BLUE BOOK OF AMERICAN SHIPPING.

1913

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Sailing Ship for Training Cadets for the Russian Marine

Seventeenth Annual Edition

BLUE BOOK

OF

AMERICAN SHIPPING

Marine—DIRECTORY—Naval

OF THE UNITED STATES

1913

STATISTICS OF SHIPPING AND SHIP BUILDING IN AMERICA

LISTS OF SHIP OWNERS, SHIP, ENGINE AND BOILER BUILDERS, POWER AND PLEASURE BOAT BUILDERS, MANUFACTURERS OF GAS AND GASOLINE ENGINES, NAVAL ARCHITECTS, MARINE ENGINEERS, VESSEL MASTERS, AND MEMBERS OF VARIOUS ORGANIZATIONS MADE UP FROM THE NAVY AND MERCHANT MARINE. PARTICULARS OF AMERICAN AND CANADIAN STEAM AND SAIL VESSELS OF THE COASTS, WESTERN RIVERS AND GREAT LAKES, WITH NAMES AND ADDRESSES OF OWNERS. PARTICULARS OF BOILERS AND ENGINES OF AMERICAN COAST AND LAKE VESSELS

Particulars of Vessels of the United States Navy; Dry Docks of the United States; Maritime Exchanges; Ship Chandlers of the United States; Heads of Government Bureaus in the United States and Canada Connected with Shipping; Admiralty Lawyers; Public Works Contractors; Wrecking Companies, etc.; Steamship Lines, Including those Operating to Foreign Ports, with Details of Service, Principal Offices and Names and Addresses of Managers, Purchasing Agents, etc.

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(A business classification and port classification—the names and addresses of hundreds of concerns engaged in Marine Lines, making up a Buyers' Directory of the Marine Trade throughout the States—will be found in the concluding pages of this publication.)

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This list is not complete, but is believed to be accurate.

†Indicates vessel is built of iron or steel.

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Admiralty Tug Boat Co.,
207 Walker Bldg., Seattle, Wash.

	Gross Tons
Str. Prosper	168
†Str. Wyadda	132

Aiken Tow Boat Co., I. H.,
Pensacola, Fla.

†Tug Nellie	61
Tug Dixie	26
Tug Sea King	120

Alaska Coast Co.,
Seattle, Wash. (Grand Trunk Pacific Dock, Room 131.)

Str. Bertha	926
Str. Jeanie	1071
Str. Yukon	1238

Alaska Codfish Co.,
San Francisco. (10 Main St.)

Ga. S. Non Pareil	52

Alaska Pacific Steamship Co.,
Seattle, Wash. (Grand Trunk Pacific Dock, Room 131.)

†Str. Buchman	1851
†Str. Admiral Sampson	2262
Str. Watson	1955

Alaska Packers Assn.,
San Francisco. (49 Second St.)

Str. Afognak	66
Str. Aleut	38
Str. Alitak	115
Str. Arctic	42
Str. Baby Ruth (St. W.)	28
Str. Cheniga (St. W.)	188
Str. Chilkat	172
Str. Chignik	16
Str. Collis	18
Str. Gage, Hattie	81
Str. Herbert	25
Str. Hilda	19
Str. Jennie	127
St. Kadiak	114
Str. Kamishak	22
†Str. Kanak	
Str. Karluk	13
Str. Katahdin	44
†Str. Kvichak	1063
Str. Lillian	34
Str. Naknek	36
Str. Novelty	63
†Str. Nushagak	739
Str. Pacific	63
Str. Polar Bear	35
Str. Queen	24
Str. Quinnat	31
Str. Ralph L.	15
Str. Reporter	38
Str. Royal	59
Str. Ryba	33
Str. Sannak	68
Str. Sayak (St. W.)	210
Str. Sockeye	15
Str. Storey, Gertie	73
Str. Togiak	22
Str. Tugidak	23
Str. Tyone	13
Str. Uganuk	13
Str. Ugashik	22
Str. Ukamuk	25
Str. Unimak	258
Str. Wigwam	40

Alaska Steamship Co.
Seattle, Wash. (Pier 2, ft. Yesler Way.)

†Str. Alameda	1358
†Str. Cordova	2273
Str. Dirigo	823
†Str. Dolphin	824
Str. Dora	320
†Str. Edith	2369
Str. Jefferson	1615
†Str. La Touche	2332
†Str. Mariposa	3158
†Str. Northwestern	3496
Str. Santa Ana	1659
†Str. Seward	2471
†Str. Victoria	3502
Str. Yucatan	3525

Alaska Whaling Co.,
Minneapolis, Minn. (Care of N. C. Bein.)

Str. Kodiak	146
Str. Unimak	146

Altamaha Nav. Co.,
Lumber City, Ga.

Str. Melton, G. T.	112
Str. Nan Elizabeth	411

American Dredging Co.,
Philadelphia, Pa. (510-12 Mariner & Merchant Bldg.)

Str. American	20
Str. Bradley, Wm. J.	99
Str. Knipe, James N	109
Str. Majestic	113
Str. Pilot	120
Str. Schermerhorn, L. Y.	174

American-Hawaiian S. S. Co.,
New York. (Maritime Bldg.)

†Str. Alaskan	8671
†Str. American	5591
†Str. Arizonan	8671
Str. Californian	5707
Str. Columbian	8579
†Str. Dakotan	6655
†Str. Georgian	6606
Str. Hawaiian	5597
Str. Honolulan	7059
Str. Isthmian	5404
Str. Kansan	7913
†St. Kentuckian	6606
†Str. Mexican	8579
†Str. Minnesotan	6655
†Str. Missourian	7914
†Str. Nebraskan	4408
†Str. Nevadan	4408
†Str. Oregonian	5597
†Str. Texan	8615
†Str. Virginian	7914

American Line,
International Mercantile Marine Co.,
New York. (9 Broadway.)

†Str. New York	10798
†Str. Philadelphia	10786
†Str. St. Louis	11629
†Str. St. Paul	11629

American Mail S. S. Co.,
New York. (100 Broadway.)

†Str. Admiral Dewey	2104
†Str. Admiral Farragut	2104
†Str. Admiral Schley	2104

American Oak Leather Co.,
New Decatur, Ala.

Str. Decatur, No. 1	48

American-Pacific Whaling Co.,
Bay City, Wash.

Str. Aberdeen	116
Str. Moran	120
Str. Paterson	120

American Steel & Wire Co.,
Pittsburg, Pa. (828 Frick Bldg.)

Str. Braddock	150
Str. Juniata	150

American Towing & Lightering Co.,
Baltimore, Md. (American Bldg.)

Str. Buccaneer	226
Str. Tormenter	226

American Transportation Co. (See Jas. W. Elwell & Co.)

American Tug Boat Co.,
City Dock,
Everett, Wash.

Tug Edison	137
Str. Elmore, R. P.	85
Str. Gwylan	43
Str. Hume, Mary D.	140
Gas Margaret S.	29
Str. Mary C.	92
Tug Irene	81
Tug Olympic	102
Str. Rosalie	4
Str. Swinomish	166
Tug Thurston, Grace	52
Gas Tohey N. D.	12

Anderson Steamboat Co.,
Seattle, Wash. (112 Erie St.)

Str. Aquila	48
Str. Atlanta	87
Str. Cyrene	28
Str. Fortuna	81
Str. Haas, L. T.	89
Str. Triton	48
Str. Urania	93
Str. Xanthus	49

Andrews, Nelson,
San Francisco. (14 Steuart St.)

Str. Hoquiam	644
Str. Tahoe	751

Angola Transfer Co.,
Shreveport, La.

Str. Edenborn, Wm.	239

Arbuckle, John,
New York. (71 Water St.)

Str. Field, Helen M.	321
Str. North America	289
Str. Roosevelt	654
Str. Wise, John	251

Arkansas River Packet Co.,
Memphis, Tenn.

†Str. Brown, S. S.	643

Gross Tons

Association of Maryland Pilots, Baltimore, Md. (914 S. Broadway.)
†Str. Pilot 193

Associated Oil Co., San Francisco. (Sharon Bldg.)
Str. Chanslor, J. A. 4938
Str. Herrin, Wm. F. 4938
Tug Milton 23
Str. Navigator 414
†Str. Porter, W. S. 4901
Tug Rover 44

Atchison, Topeka & Santa Fe Ry. Co., San Francisco, Cal. (Foot of Third St.)
Str. Frances 698
Str. San Pablo 1584
Str. San Pedro 720
Str. Ocean Wave 724
Tug Payson, A. H. 158
Tug Richmond 135
Tug Ripley, E. P. 174

Atlantic & Caribbean Steam Nav. Co., See Red D Line.

Atlantic Coast Lumber Corp., New York. (42 Broadway.)
†Str. Aragon 1450
†Str. Katahdin 1380
†Str. Richmond 1269

Atlantic Fertilizer & Oil Co., Greenport, N. Y.
Str. Adams, Walter 271
Str. Edwards, Herbert N. 323
Str. Long Island 390
Str. Marran, Martin J. 308
Str. Mason, Rollin E. 323

Atlantic Gulf & West Indies S. S. Lines New York. (111 Broadway.)
†Str. Altamaha 2667
†Str. Ocmulgee 2667
†Str. Ogeechee 2667
†Str. Ossabaw 2667
†Str. Satilla 2667

Atlantic Refining Co., Philadelphia, Pa. (3144 Passyunk Ave.)
†Str. Atlantic 129
Str. Radiant 81

Atlee, S. & J. C., Fort Madison, Ia.
Str. J. M. 39
Str. Ottumwa Belle 81
Str. Pathfinder 62

Babbidge & Sons, J. W., Astoria, Ore.
Str. Electro 81
Str. Julia B. .....—

Baker-Whiteley Coal Co., Baltimore. (Continental Trust Bldg.)
Tug. Brittannia 249
Tug. Columbia 212

Ball, Fred S., Winona, Minn.
Str. Frontenac 146

Baltimore & Boston Bge. Co., Boston. (1013 Board of Trade Bldg.)
Str. Boswell 311
Tug Gwalia 415
†Str. Murrell 311

Gross Tons

Baltimore & Caroline S. S. Co., Baltimore, Md. (Union Trust Bldg.)
†Str. Weems, Matilda 1322
†Str. Weems, Theodore 926

Baltimore, Ches. & Atlan. Ry. Co., Baltimore. (Pier 1, Pratt St.)
Str. Avalon 600
Str. Avon, Fred 676
Str. Cambridge 834
Str. Chesapeake 316
Str. Choptank 346
Str. Eastern Shore 791
Str. Helen 550
Str. Joppa 607
Str. Maggie 606
†Str. Maryland 871
†Str. Neuse 720
†Str. Old Point Comfort 683
†Str. Pocomoke 656
†Str. Pratt, Enoch 571
†Str. Tangier 680
†Str. Tivoli 704
†Str. Virginia 868
Str. Wheeler, Minnie 261

B. & O. R. R. Co., Baltimore. (B. & O. Bldg.)
Str. Baltimore 177
Str. Bond Jr., Hugh L. 212
Str. Brewerton, Maj. H. 65
†Str. Convoy 78
Str. Cowen, John K. 160
Str. Cyclops 128
Str. Hackensack 124
Str. Monator 49
Str. Murray, Osgar G. 165
Str. Narragansett 96
†Str. Ohio 308
Str. Potomac 155
Str. Potter, George L. 212
†Str. Randolph, Geo. F. 211
†Str. Transfer 101

Baltimore Steam Packet Co., Baltimore (Piers 10, 11, 12 and 13, Light St.)
Str. Alabama 1939
Tug. Elsie 39
Str. Florida 2185
Str. Gaston 846
Str. Georgia 1749
†Str. Raleigh 1185
Str. Virginia 2027

Barrett, O. F., Newport, Ky.
Str. Barrett 913
Str. Beaver 314

Bartlett & Shepherd, Philadelphia, Pa. (304 N. Front St.)
Str. Cornelia 285

Baton Rouge Ferry Co., Ltd., West Baton Rouge, La.
Str. Istrouma 253

Bauer, Charles T., New York. (78 Broad St.)
Str. Accomack 434

Bay Development Co., San Francisco, Cal. (153 Berry St.)
Gas Topo 229

Bay, William, Ironton, Ohio.
Str. Greyhound 125

Bayles, James E., Port Jefferson, N. Y.
Str. Lane, Frank T. 169

Gross Tons

Bay State Fishing Co., Boston, Mass. (T Wharf.)
†Str. Crest 244
†Str. Foam 244
†Str. Ripple 244
†Str. Spray 283
†Str. Surf 252
†Str. Swell 252

Bay Steamship Co., Mobile, Ala.
Str. Carney, Jas. A. 199

Beadle Co., A. W., San Francisco, Cal. (1 Drumm St.)
Str. Acme 416
Str. Arcata 560
Str. Point Arena 223

Beadle Inc., Geo. S., San Francisco, Cal. (112 Market St.)
Str. Graywood 915
Str. Mayfair 670

Beardstown Stove & Lumber Co., Beardstown, Ill.
Str. City of Beardstown 52

Beaufort & Savannah Line, Savannah, Ga. (foot Abercorn St.)
†Str. Clivedon 150
Str. Pilot Boy 228

Becker, E. P., Grand Tower, Ill.
Str. Louisiana 286

Beers, Capt. G. W., San Francisco, Cal. (756 Ashbury St.)
Str. Corcoran, H. J. 682

Benjamin, A. Bedell, Stratford, Conn.
Str. Continental 82

Bennett, W. D., Bucksport, Me. (P. O. Box 123.)
Str. Rockland 135
Str. Stockton 98

Benson, S. D., Mgr., Bangor, Me.
Str. Hilton, Wm. D. 324

Benton Packet Co., Bismarck, N. D.
Gas. Benton 150
Gas. Bismarck 110
Gas. Deapolis 100
Gas. Expansion 150
Gas. Frayne 150
Gas. Gros Ventre 150
Str. Washburn 85

Bicknell, C. E., Rockland, Me.
Gas. Thaw, Evelyn N. 48

Billings, G. E., San Francisco. (312 California St.)
Str. Shna-Yak 839

Black, Chapman F., Philadelphia, Pa. (40 N. 51st St.)
Str. America 32

Black River & Mingoe Stbt. Co., Georgetown, S. C.
Str. Brunswick 89
Str. Elliott, Wm. 171

Black & White River Transp. Co., Newport, Ark.
Str. Choctaw 44
Str. Pocahontas 35

Gross Tons

Bliss, Dallett & Co.,
Mgrs. Atlantic & Carribean Sea Nav. Co., (Red "D" Line of Steamships),
New York (82 Wall St.)
†Str. Caracas 2886
†Str. Maracaibo 1771
Str. Merida 628
†Str. Philadelphia 2520
†Str. Zulia 1713

Bluffton & Savannah Line,
Savannah, Ga.
Str. Louise 129

Blum, Leon,
San Francisco. (2109 Broadway.)
Str. Jeanette 290

Boston & Gloucester Stbt. Co.,
Boston. (244 Atlantic Ave.)
Str. Cape Ann 718
Str. City of Gloucester 560

Boston & Phila. S. S. Co.,
Boston. (Central Wharf.)
Str. Aries 832
†Str. Indian 2110

Boston Floating Hospital Corp.,
Boston, Mass. (54 Devonshire St.)
Str. The Boston Floating Hospital 672

Boston, Nahant & Pines Stbt. Co.,
Boston, Mass. (408 Atlantic Ave.)
Str. General Lincoln 398
Str. Griswold 133
Str. Sightseer 151

Boston Pilots' Relief Society,
Boston, Mass. (End North Pier, Lewis Wharf.)
Gas Liberty 118

Boston, Revere Beach & Lynn R. R. Co.,
Boston, Mass. (350 Atlantic Ave.)
Str. Ashburnham 446
Str. Brewster 447
Str. Dartmouth 420
Str. Newtown 447

Boston Towboat Co.,
Boston, Mass. (131 State St.)
Tug. Orion 127
Str. Saturn 125
Str. Underwriter 327

Boston Steamship Co., C. W. Wiley, Agent,
Seattle, Wash.
†Str. Pleiades 3753

Bowers Southern Dredging Co.,
Galveston, Tex.
Gas. Alecia 13
Tug Bertha 56
Gas Evelyn C. 9
Gas. Faber 7
Tug Sealy, John 113
Gas Skipper 11
Gas Willa Belle 7

Boyer's. L., Sons Co.,
New York. (82 Beaver St.)
Brooklyn, N. Y. (South 5th St. Fier.)
Str. Ideal 149

Gross Tons

Bradford Transp. Co., Ltd.,
New Orleans, La. (Head of Bienville St.)
Str. Houma 105
Str. Terrebonne 91

Bradley, E. A.,
Gloucester, Mass.
Str. Cynthia 137

Breakwater Co., The,
Philadelphia, Pa. (412 Lafayette Bldg.)
†Tug Bangs, Anson M. 178
Tug Breakwater 68
Tug Downs, Kitty 34
†Tug Gaynor, Col. John F. 178
†Tug Hughes, Eugene 102
Tug Martin 47
Tug Natalie 68
Tug Sea King 114
Tug Woods, Arthur 29

Bridgeport & Port Jefferson Stbt. Co.,
Bridgeport, Conn.
Str. Park City 391

Bright, Henry D.,
Hampton, Va. (41 Black River Rd.)
Str. Alpha 8

Brooks, Isaac W.,
Cairo, Ill.
Str. Boeckeler, Charlotte 143

Browinski, James F.,
Joppa, Ill.
Str. Condor 177
Str. Davis, T. H. 240

Brown Trans. Line,
Union Springs, N. Y.
Str. Iroquois 110
Str. Mohawk 110
Str. Warner, C. M. 80

Brunswick & Fla. Stbt. Co.,
Brunswick, Ga. (Bay & Mansfield Sts.)
Str. Emmeline 137

Brunswick, St. Simons & Darien Steamboat Co.,
Brunswick, Ga. (Bay & Mans-Sts.)
Str. Hessie 66

Budd, A. R., Coal Co.,
Pittsburg, Pa. (6721 McPherson St.)
Str. Budd, A. R. 149

Bull & Co., A. H.,
New York. (Maritime Bldg.)
†Str. Carolyn 3140
†Str. Dorothy 2214
Str. Evelyn 3140
Str. Hilton 3102
Str. Jean 3125
Str. Millinocket 3336
Str. Ruth 3102
†Str. Wilhelmina 1696

Bush & Sons Co., George W.,
Wilmington, Del.
†Tug Meteor 95
Str. West River 190

Bush Terminal Co.,
New York City. (100 Broad St.)
Str. Bush, Beatrice 212
Str. Bush, Eleanor 212

Gross Tons

Cahill Towing Line,
New York. (140 Broad St.)
Tug Anna W. 204
Tug Gerry 273
Tug Halenbeck, O. L. 198
Tug Moran, R. J. .....
Tug Richards, Leonard .....
Tug Ward, Luther C. .....

Cairo City Ferry Co.,
Cairo, Ill. (415 Washington Ave.)
Str. Three States 175

Cairo, Memphis Southern R. R. & Tpn. Co.,
Cairo, Ill.
Str. Paepcke, Herman 157

Calais Tow Boat Co.,
Calais, Me.
Tug Gove, Wesley A. 70
Tug Wellman, Henry 38

California Nav. & Imp. Co.,
San Francisco, Cal. (Pier No. 3)
Str. Freese, A. C. 205
Str. Leader 236
Str. McDonald, J. R. 137
Str. Peters, J. D. 880
Str. Walker, T. C. 786

California Salt Co.,
San Francisco, Cal.
Str. Dimond 225

California Transp. Co.,
San Francisco. (Jackson St. Pier.)
Str. Alvira 469
Str. Aurora 406
Str. Capital City 1142
Str. Captain Weber 612
Str. Constance 422
Str. Fort Bragg 317
Str. Fort Sutter 1142
Str. Isleton 615
Str. New Town No. 2 217
Str. Onisbo 632
Str. Pride of the River 619
Str. Reform 627
Str. Sonoma 305

Callahan Line,
Bainbridge, Ga.
Str. Callahan, John W. 202
Str. Chipola .....
Str. Ruth, No. 2 141

Campbell, H. C.,
Portland, Ore.
Str. Metlako 198

Campbell's Creek Coal Co.,
Cincinnati, O. (foot Baymiller St.)
Str. Gillham, Robert P. 158
Str. Iron Duke 30
Str. Lane, D. T. 146
Str. Martin, Billy 28

Cape Cod Steamship Co.,
Boston, Mass. (33 Broad St.)
Str. Cape Cod 557

Cape Girardeau Transp. Co.,
St. Louis, Mo. (Foot Vine St.)
Str. Eagle 188
Str. Echo 15

Carnival City Packet Co.,
Davenport, Iowa. (W. A. Blair, Mgr., 224 E. 12th St.)
Str. Black Hawk 125
Str. Blair, Helen 212
Str. Keokuk 111

Gross Tons

Carpenter Samuel W.,
Allegheny, Pa. (524 Rebecca St.)
Str. Leader, The 131

Casco Bay & Harpswell Lines,
(Custom House Wharf.)
Portland, Me.
Str. Aucocisco 167
Str. Emita 99
Str. Forest Queen 138
†Str. Machigonne 425
Str. Maquoit 77
Str. Merryconeag 165
Str. Pilgrim 261
Str. Venture 59

Caspar Lumber Co.,
San Francisco, Cal. (810 Kohl Bldg.)
Str. Caspar 648

Cathel, Robert,
Baton Rouge, La.
Str. Control 103

Central Hudson Stbt. Co.,
Newburgh, N. Y.
Str. Brett, James T. 490
Str. Marlborough 944
Str. Martin, Milton 570
†Str. Newburgh 1033
†Str. Odell, Benjamin B. 2011
†Str. Ramsdell, Homer 1181
Str. Romer, William F. 880
Str. Tremper, Jacob H. 571

Central Pacific R. R. Co.,
San Francisco, Cal.
See Southern Pacific Co.

Central R. R. Co. of N. J.,
New York. (143 Liberty St.)
†Str. Asbury Park 2128
†Tug. Ashley 240
†Ferry. Bound Brook 1016
†Tug. Bridgeton 240
†Ferry. Cranford 1197
†Ferry. Elizabeth 1197
†Tug. Flemington 220
†Tug. Freehold 220
Tug Jersey Central 217
†Ferry. Lakewood 1016
†Str. Monmouth 1440
†Ferry. Plainfield 1225
Tug. Red Ash 117
†Ferry. Red Bank 1016
†Tug. Roselle 220
†Str. Sandy Hook 1559
†Tug. Sea Bright 240
†Ferry. Somerville 1197
Ferry. Westfield 1238
Tug. White Ash 117
†Ferry. Wilkes-Barre 1197

Central Vermont Trans. Co.,
Portland, Me.
Str. New London 2818
Str. New York 2818

Chamberlain. H. S.,
Chattanooga, Tenn. (825 Chestnut St.)
Str. Grady 78

Champlain Transp. Co.,
Burlington, Vt.
Str. Chateaugay 742
†Str. Ticonderoga 892
†Str. Vermont 1195

Chapman & Co., I. F.,
New York. (17 State St.)
Tug. Lawrence, Jas. A. 86

Gross Tons

Charleston Cons. Ry. & Lighting Co.,
Charleston, S. C. (141 Meeting St.)
†Str. Lawrence 451
Str. Sappho 333

Chatwin Bros. Co.,
Little Rock, Ark.
Str. Pilot 9

Chautauqua Stbt. Co.,
Jamestown, N. Y. (West 8th St.)
Str. Celeron 25
Str. Chadakoin 30
Str. Chautauqua 42
Str. City of Buffalo 229
Str. City of Cincinnati 233
Str. City of Cleveland 157
Str. City of New York 294
Str. City of Pittsburgh 100
Str. City of Rochester 61
Str. Greenhurst 25
Str. Mayville 47

Chesapeake Steamship Co.,
Baltimore. (530 Light St.)
Str. Atlanta 2094
Str. Augusta 2372
Str. Baltimore 1413
Str. Charlotte 1746
Str. Columbia 2582
Str. Danville 1297
Tug. Southern 54

Chesbrough, F. B.,
Boston, Mass. (141 Milk St.)
Str. Kanawha 2182
Str. Kennebec 2183

Chesebro Bros.,
New York. (1 Fulton Fish Market.)
Gas Martin, Ruth M. 98
Gas Roulette 83

Chester Shipping Co.,
Philadelphia, Pa. (Arch St. Wharf.)
†Str. Riverside 452
†Str. Chester 419
†Str. Tinicum 481

Chipola Transp. Co.,
Marianna, Fla.
Str. Calhoun 48

Chisholm & Son, John,
Gloucester, Mass. (35 Wharf St.)
Gas Medomak 22
Gas Dolphin 8

Chisolm. Wm. B.,
Charleston, S. C.,
†Str. Protector 98

Cincinnati, Pomeroy & Charleston Packet Co.,
Newport, O.
Str. Greenwood 270

Cincinnati, Portsmouth, Big Sandy & Pomeroy Packet Co.,
Cincinnati, O.
Str. Bonanza 741

Clark, E. J.,
Clarington. O.
Str. Royal 125

Clark Co., James,
Baltimore, Md. (1611 Enten Pl.)
Str. Imperial 160
Str. Princess 151

Gross Tons

Clark, C. Howard, Jr.,
Philadelphia. (321 Chestnut St.)
†Gas Savarona 115

Clatskanie Transp. Co.,
Portland, Ore.
Str. Beaver 421

Clyde Coal Co.,
Pittsburg, Pa. (1210 House Bldg.)
Str. Clyde 157

Clyde Steamship Co.,
New York. (Pier 36 N. R.)
†Str. Algonquin 2832
†Str. Apache 4145
†Str. Arapahoe 4145
†Str. Carib 2087
†Str. Cherokee 2556
†Str. Chippewa 2696
†Str. Clyde, Geo. W. 1848
†Str. Comanche 3856
†Str. Delaware 1907
†Str. Huron 3318
†Str. Iroquois 3601
†Str. Lenape 5179
†Str. Katahdin 2696
†Str. Mohawk 4623
†Str. Mohican 2255
†Str. Navahoe 1879
†Str. New York 2589
†Str. Onondaga 2696
†Str. Pawnee 1907
†Str. Seminole 2556

Coast Transit Co., C. C. Hahl, Gen. Mgr.,
New York. (17 Battery Pl.)
Str. Childs, Eversley 130

Coastwise Transp. Co.,
Boston, (33 Broad St.)
Str. Cramo, Henry W. 1630
†Str. Coastwise 4015
Str. Middlesex 4727
Str. Norfolk 3521
Str. Suffolk 4718
†Str. Transportation 4015

Coeur d'Alene & St. Joe Transportation Co., Ltd., Electric Dock, Coeur d'Alene, Idaho.
Str. Bonnie Doone 50
Str. Colfax 100
Str. Flyer 150
Str. Idaho 300
Str. Nairn 50
Str. Oakes, Georgie 300

Colonial Beach Co.,
Washington, D. C. (Foot of 8th St.)
†Str. St. Johns 1098

Colonial Navigation Co.,
New York. (Pier 39, No. River.)
Str. Beverly 1413
Str. Concord 1248
Str. Lexington 1248

Columbia Contract Co.,
Camas, Wash.
Str. Hercules 560
Str. Kern Daniel 297
Str. Maria 202
Str. Sampson 278
Str. Triumph 55

Columbia Excursion Co. of St. Louis,
St. Louis, Mo. (313 Olive St.)
Str. Grey Eagle 555

Columbia & Okanogan Stbt. Co.,
Wenatchee, Wash.
Str. Chelan 244
Str. Columbia 341
Str. North Star 125
Str. Okanogan 432

Gross Tons

Commercial Coal Co., New York. (80 Broad St.)
Str. Turtle 163

Commercial Tow Boat Co., Boston, Mass. (Commercial Wharf.)
Tug Clarke, Wm. H. 69
Tug. Gallagher, Chas. T. 90
Tug Hersey, Francis C. 79
Tug. Lovett, Joshua 169
Tug. Mann, Chas. 79
Tug Parker, Chas W., Jr. 277
Tug. Pilsbury, Edwin L. 83
Tug. Wooley, Jas. 92

Coney Island Co., The, Cincinnati, O. (First National Bank Bldg.)
Str. Island Queen 1446
Str. Princess 667

Consolidation Coal Co., Inc., Baltimore, Md. (Continental Bldg.)
†Str. Cumberland 377
Str. Georges Creek 398
†Str. Mayer, Chas. F. 1218
†Str. Piedmont 391
†Str. Savage 410
Str. Winship, Edith G. 36

Cook-Cummer S. S. Co., Philadelphia. (Cor. 5th & Chestnut Sts.)
†Tug Wellington 334

Cook, Henry W., Philadelphia, Pa. (222 Lafayette Bldg.)
Str. Wellington 334

Cook Steamship Co., Miami, Fla.
Str. Hart, Fannie C. 476

Coplay Cement Mfg. Co., Coplay, Pa.
Str. Hyde, Frances 739

Cornell Stbt. Co., Rondout, N. Y.
Str. Adams, G. C. 80
Str. Baker, E. C. 153
†Str. Bavier, W. N. 130
Tug. Brainard, Julia A. 15
†Str. Cleary, Wm. E. 87
Str. Cordts, John H. 194
†Str. Cornell 435
Str. Crosby, S. L. 103
Tug Davis, R. G. 23
†Str. Decker, G. W. 77
Str. Dickson, Thos. 67
Str. Earl, Wm. S. 24
Str. Empire 41
Str. Engels 34
Tug. Field, Geo. 29
Str. Foss, Wilson P. 58
Str. Foster, R. J. 45
Str. Frank 61
Str. Harry 49
Str. Hartt, J. C. 222
†Str. Hedges, Ira M. 76
Str. Hercules 119
Str. Ice King 138
Str. Kennedy, Dr. David 16
Str. Knickerbocker 123
†Str. Levy, E. L. 142
Str. Mabel 50
†Str. Mead, Edwin H. 248
Str. Mould, H. D. 49
Str. Norwich 255
Str. Osceola 182
Str. Oswego 329
Str. Pocahontas 177
Str. Pratt, Geo. W. 41
Str. Primrose 58
Str. Rob 47
Str. Ronan, E. M. 73
Str. Ronan, P. C. 29
†Str. Rose, J. G. 77
Str. Saranac 56
Str. Schoonmaker, John D. 56
Tug. Scott, Robt. A. 50
Str. Senator Rice 98
†Str. Terry, Edwin 90
Str. Townsend, R. G. 83
Str. Victoria 77
Str. Volunteer 64
†Str. Washburn, George W. 298
Str. Welch, John T. 59
†Str. Williams, J. H. 87
Str. Young, Coe F. 65

Cottle, Capt. S. F., West Tisbury, Mass.
Str. Belvedere 440

Cottonera Lumber Co., San Francisco. (Balboa Bldg.)
Str. Marshfield 338

Cowling, E. J., Metropolis, Ill.
Str. Cowling, George 208

Coyle's Mandeville & Madisonville Line, New Orleans, La. (337 Carondelet St.)
Str. New Camelia 270

Craig, J. M., Cape Girardeau, Mo.
Str. City of Warsaw 178

Crammond, W. D., Hawesville, Ky.
Str. Gazelle 128
Str. Ferry K. & I. .....

Crandall, Mgr., C. L., Galveston, Tex.
†Dredger. Holm 503
†Dredger. Leviathan 1279
†Dredger. Nereus 465
†Dredger. Triton 469

Crane, C., & Co., Cincinnati, O. 1739 Eastern Ave.)
Str. Cole, J. O. 128
Str. Crown Hill 366

Crescent City Transp. Co., (See Hobbs, Wall & Co.) San Francisco. (1 Drumm St.)
Str. Del Norte 450
Str. Mandalay 438
Str. Navarro 232
Str. Westport 211

Crescent Tow Boat & Ltg. Co., Pensacola, Fla. (220 Brent Bldg.)
Tug Flanders 58
Str. Marie 46

Cronan, **Fred,** Tiptonville, Tenn.
Str. Kyle 9

Crosby Tow Boat Co., The, Seattle, Wash. (Room 24, Colman Dock.)
Tug Alice 39
Tug Bonita 32
Tug Cook, Cornelia 60
Tug F. H. Folsom 60
Tug Harold C. 27
Tug Winona 25

Crowell & Thurlow, Boston, Mass. (33 Broad St.)
Str. Crowell, Peter H. 3102

Cuba Distilling Co., New York (40 Exchange Pl.)
Str. Currier 4711

Cumberland River Stbt. Co., Nashville, Tenn.
Str. Nashville 400

Cunningham & Thompson Co., Gloucester, Mass. (Commercial St.)
Gas Corona 119
Gas Saladin 137

Curry, J. W., San Francisco, Cal. (Shipowners' & Merchants' Tugboat Co.)
Tug. Liberty 60
Tug. Sea Queen 111

Dalles, Portland & Astoria Nav. Co., Portland, Ore. (Railway Exchange Bldg.)
Str. Capital City 552
Str. Dalles City 345
Str. Gatzert, Bailey 642

Dantzler Lumber Co., L. N., Moss Point, Miss.
Gas Dantzler, L. N. 139

Davenport, J. E., Oakland, Cal. (Hales, Davenport & Co.)
Str. Fairhaven 667
Str. Tiverton 557

Davis Bros., Gloucester, Mass. (51-63 Rogers St.)
Gas. McKown, Veda M. 121
Gas. Victor 121

Davison & Bro., J. K., Pittsburg, Pa. (42nd & Davison Sts.)
Str. Davison, J. K. 163

Davis Packing Co., C. E., Fleeton, Va.
Str. Palmer, J. A., Jr. 282
Str. Courtney, Warren J. 276

Day, A. O., Davenport, Ia.
Str. Everett 85
Str. Hershey, Ben 170

Deere, Mary L., Moline, Ill.
Str. Kalitan 180

Delaney, O. J., Promised Land, N. Y.
Gay. Lesbia 34

Del., Lack. & Western R. R. Co., Hoboken, N. J. (Marine Dept.)
Str. Bangor 188
Ferry Str. Bergen 1120
Ferry Str. Binghamton 1462
Ferry Str. Bremen 1252
Tug Commander 29
Ferry Str. Elmira 1460
Ferry Str. Hamburg 1266
Ferry Str. Hopatcong 988
Ferry Str. Lackawanna 857
Ferry Str. Montclair 1095
Ferry Str. Musconetcong 846
Ferry Str. Netherlands 1129
Ferry Str. Orange 1096
Ferry Str. Paunpeck 820
Ferry Str. Scandinavia 1462
Ferry Str. Scranton 1462
Tug Bath 204
Tug Bernardsville 181
†Tug Corning 204
Tug Cortland 80
Tug Dover 51
Tug Fulton 229

	Gross Tons
†Ferry Str. Ithaca	1462
Tug Lackawanna	340
Tug Madison	181
†Tug Montclair	130
†Tug Morristown	181
†Tug. Orange	130
Tug. Scranton	300
†Tug Washington	181

Delaware River Transportation Co.
Philadelphia. (Pier 5, foot of Chestnut St.)

Str. Bristol	371
Str. Columbia	535
Str. Springfield	163
†Str. Twilight	266

Delaware Transp. Co.,
Wilmington, Del. (10th & Market Sts.)

†Str. Dorothy	505

Dialogue, John H., & Son,
Camden, N. J.

†Str. Pocomoke	293

Diamond Coal & Coke Co.,
Pittsburg, Pa. (335 Water St.)

Str. Diamond	118

Diamond Jo Line,
St. Louis, Mo. (Foot Washington Ave.)

Str. Dubuque	748
†Str. Quincy	806
Str. St. Paul	832
Str. Sidney	617
Str. W. W.	212

Dilworth, H. P.,
Pittsburg, Pa. (1103 Hartje Bldg.)

Str. Island Queen	277

Dimon, C. L.,
New York. (32 Broadway)

†Str. Cienfuegos	1772
Str. Dover	617
Str. Zealandia	2730

Direct Nav. Co., The
Houston, Texas. (foot San Jacinto St. Bridge.)

Tug Juno	84
Tug Louise	105
Tug Mina	56
Tug Sterrett, J. H.	29

Doane Towboat Co.,
Boston, Mass. (Pier 2, Lewis Wharf.)

Tug Leader	59
Tug. Nellie	46
Tug. Neponset	87
Tug. Onward	36
Tug. Yerkes, Wm. H., Jr.	59

Dodge Co., E. J.,
San Francisco. (16 California St.)

Str. Northland	845
Str. Phoenix	
Str. Rochelle	
Str. San Ramon	185
Str. St. Helens	1497
Str. South Bay	438
Str. Vanguard	358

Dollar S. S. Line,
San Francisco, Cal. (160 California St.)

†Str. Dollar, Grace	1327
†Str. Dollar, Melville	1244
†Str. Dollar, Stanley	1838
†Str. Mackinaw	2578

Donald S. S. Co.,
New York. (18 Broadway.)

Str. Amelia	1300
Str. Annetta	1300
Str. Bella	1300
Str. Lillie	1200
Str. Norhilda	1200
Str. Querida	1190
Str. Thyra Menier	1457

Dougherty Co., P.,
Baltimore, Md. (Maryland Casualty Tower.)

Tug Albatross	286
Tug Dauntless	123
Tug Defiance	154
Tug McWilliams, Sarah E.	294
Tug Peerless	102

Douglas, Wm. L.,
Brockton, Mass.

†Sty. Machigonne II	195

Doyle, Chas. E., (Estate)
Ellsworth, Me.

Str. Otronto	105

Drake, William E.,
New Hamburg, N. Y.

Str. Sea Gate	171

Du Bois Sons Co., H.,
New York City. (17 State St.)

Str. Ariosa	262
Str. DuBois	223
Str. DuBois, Henry N.	164

Du Pont de Nemours Powder Co., E. I.,
San Francisco, Cal. (10th floor Chronicle Bldg.)

Str. Hercules	437

Dyer, Max,
San Francisco. (Mills Bldg.)

Str. Whittier	1295

Eagle Packet Co.,
St. Louis, Mo. (Foot of Vine St.)

Str. Alton	800
Str. Bald Eagle	468
Str. Grey Eagle	555
Str. Spread Eagle	691

Eanes, W. M.,
Mobile, Ala.

Str. Lucille	176

Eastern Coal Co,
Providence, R. I. (37 Weybosset St.)

†Str. Ravenscraig	2402

Eastern Redwood Co.,
San Francisco, Cal. (Fife Bldg.)

Str. Iaqua	712

Eastern Steamship Co.,
Boston. (Atlantic Ave.)

†Str. Austin, Calvin	3826
Str. Bay State	2262
†Str. Belfast	2157
Str. Boothbay	334
†Str. Bunker Hill	4779
†Str. Camden	2153
Str. Catherine	161
Str. City of Augusta	330
Str. City of Bangor	1661
Str. City of Rockland	1696
Str. Damarin	55
†Str. Dimock, H. F.	2625
Str. Fuller, Ransom B.	2329
†Str. Governor Cobb	2522
†Str. Governor Dingley	3826
†Str. Massachusetts	4779
Str. Mineola	295
Str. Monhegan	367
Str. Morse, J. T.	780
Str. Nahanada	91
†Str. Northland	3282
†Str. North Star	3159
†Str. Old Colony	4779
Str. Southport	245
Str. Wesport	246
†Str. Whitney, H. M.	2706
†Str. Whitney, James S.	2707
†Str. Winter, Herman	2625
Str. Wiwurna	98

Eastern Steamship Corporation,
Portland, Me. (Franklin Wharf.)

†Str. North Star	3159
†Str. North Land	3282

Eclipse Co.,
LeClaire, Iowa.

Str. Eclipse	204

Economic Stone Mfg. & Bldg. Co.,
Rome, Ga.

Str. Economic	58

Eldridge, Roswell,
New York. (129 Broadway.)

†St. Y. Kehtoh	185

Elwell & Co., Jas. W., Mgrs.,
(American Transp. Co.),
New York. (17 State St.)

Str. Raven, A. A.	2551
Str. Ruby	2551
Str. Thompson, Robt. S.	2551

Erie Land Improvement Co.,
New York (50 Church St.)

Str. Arlington	1446
Str. Goshen	1459
†Str. Jamestown	1538
†Str. Tuxedo	1483

Erie Railroad Co.,
New York City. (50 Church St.)

†Str. Nanuet	217
Str. Rutherford	864
†Str. Waverly	217

Estabrook Co., A. F.,
San Francisco, Cal.
(112 Market St.)

Str. Bandon	642
Str. Fifield	—
Str. Speedwell	—

Evansville & Bowling Green Packet Co.,
Evansville, Ind. (214 Fulton Ave.)

Str. Bowling Green	123
Str. Chaperon	95
Str. Emma	53
Str. Evansville	144

Evansville, Paducah & Cairo Line,
Paducah, Ky.

Str. Fowler, Dick	367
Str. Fowler, Joe	356
Str. Hopkins, John S.	593

Excursion & Transp. Co.,
F. Russell, Pres.,
New York City. (17 South St.)

†Str. Tolchester	671

Farmers Trans. Co.,
San Francisco, Cal. (Pier 19, Union St. Wharf.)

Str. Valletta	419

Ferrell, William,
Ferrell, Idaho,

Str. Ferrell	50

Fetter, A. V.,
Quincy, Ill. (323 Spruce St.)

Str. Eastman, Gardie	100

Fidelity Trust Co.,
Philadelphia, Pa.

†Str. Patchogue	190

Gross Tons

Fisheries Co.,
Promised Land, N. Y.
Str. Wharton, Joseph..... 245

Fisheries Co., The,
Philadelphia, Pa.
Str. Active 73
Str. Hathaway, A. M. 217
Str. Kingfisher 103
Str. Rover 88
Sch. Spear, Myra W..... 156
Str. Sprague, Fanny 56

Fisk, Wilbur C.,
New York City. (62 Cedar St.)
Ga. Y. Onawa II..... 121

Fleischmann, Max C.,
Cincinnati, O.
Gas. Haida 112

Fletcher, Chas. H.,
New York. (248 W. Broadway.)
†Gas. Jemima, F. III 149

Florida Tow Boat Co.,
Pensacola, Fla.
Str. Florida 140

Florida East Coast Ry. Co.,
Miami, Fla.
Str. Satilla 389

Freeman & Co., S. S.,
San Francisco, Cal. (706 Fife Bldg.)
Str. Daisy 679
Str. Freeman, Daisy 615
Str. Gadsby, Daisy 818
Str. Mitchell, Daisy 612

Friedman, M. J.,
San Francisco, Cal. (775 McAllister St.)
Ga. S. Monterey..... 126

Friend, J. W.,
Pittsburg, Pa. (602 Mellon St.)
Str. Crescent 239
Str. Jutte, Charley 281
Str. Thomas, G. W. 281

Fritch, J. Homer,
San Francisco, Cal. (200-201 Fife Bldg.)
Str. Capastrano 648
Str. Carlos 900
Str. Carmel 633
Str. Homer 501

Frontier Nav. Co.,
Calais, Me.
Str. Eaton, Henry F..... 240

Galveston Pilots' Assn.,
Galveston, Tex. (2004 Strand.)
Str. Higgins, Mamie 77
†Str. Texas 220

Gamble, J. M.,
Marietta, O.
Str. Ruth 131

Georgetown & Pee Dee S. B. Co.,
Georgetown, S. C.
Str. Merchant 405

Georgia, Florida & Alabama Ry. Co.,
Bainbridge, Ga.
Str. Crescent City 154

Gilbert, Mark L.,
Mystic, Conn.
Str. Lansing ....
Str. Tower, C., Jr. ....

Gross Tons

Goodall, C.,
San Francisco, Cal. (24 Market St.)
Str. Narwhal 524

Goodwin Sand & Gravel Co.,
New York. (71 Broadway
Tug Buckley, Kate 21
Tug Gallagher, C. 86
Tug Goodwin 14 143
Tug Olympia 116
Tug Packer, E. A..... 72

Gorton-Pew Fisheries Co.,
Gloucester, Mass.
Gas. Jeffrey 9
Gas. Smith, Benjamin A. 146

Grant, Thomas,
Seattle, Wash. (603 14th Ave. N.)
Str. Yosemite, ...1525

Gray's Harbor Tugboat Co.,
Hoquiam, Wash. (Levee St.)
Str. Cudahy, John 107
Str. Daring 227
Str. Printer 110
Str. Traveler 145

Great Northern S. S. Co.
Seattle, Wash. (309 King St. Sta.)
†Str. Minnesota 20718

Greene Line Steamers,
Cincinnati, O. (Ft. Sycamore St.)
Str. Chilo 96
Str. Courier 296
Str. Everygreen 99
Str. Greendale 95
Str. Greenwood 270
Str. Leroy..... 14
Str. Greenland, ... 294
Str. Tacoma 276

Greene Packet Line,
Newport, O.
Str. Cricket 65
Str. Evergreen, ... 99
Str. Neva, ... 71

Greenleaf-Johnson Lumber Co.,
Norfolk, Va.
Str. Juniper 23

Gribble, E. B.,
Brownsville, Pa.
†Str. Independent 164

Gring, Chas.,
Philadelphia, Pa. (308 Walnut St.)
Tug May 121
Tug Prudence, ... 101

Gulf Refining Co.,
New York. (21-24 State St.)
†Gas Captain Collier 128
Tug. Captain Sam. 92
†Str. Guffey, J. M. 2520
†Str. Gulfoil 3188
†Str. Larimer 3737
†Str. Ligonier 3737
†Str. Oklahoma 5853
†Tug Russell, E. L. 206
†Str. Winifred 2551

Gulfport Shipping Co.,
Gulfport, Miss. (Box 222.)
†Str. Gulfport 224

Guthrie, A.,
St. Paul, Minn. (332 Summit Ave.)
Sty. Kabekona 148

Gross Tons

Guyton, W. A., & Co.,
Galveston, Tex.
Tug Boston 11
Tug Moore, C. H. 45

Hackfeld & Co., Ltd., H.,
cor. Fort & Queen Sts.,
Honolulu, H. I.
Str. Pioneer 195

Hagan, James,
Coshocton, O.
Str. Mac, Vernie..... 122

Hagan Co., Peter,
Philadelphia, Pa.
†Tug Altoona 63
Str. Chincoteague 143
Tug. Cassatt, Robert K..... 87
Tug Hagan, Peter 38
Tug. Hagan, John J..... 26

Haigh, Albert,
Pittsburg, Pa. (6530 Winslow St.)
Str. Eliza 250

Hall, Thomas J.,
Newport, Ky.
Str. Hall, Douglas..... 122
Str. Jack Frost..... 350

Hammond Lumber Co.,
San Francisco, Cal. (260 California St.)
†Str. Fenwick, George W.....2009
Str. General Hubbard 2180
Str. Necanicum 752
Str. Ravalli 998

Hanify Co., J. R.,
San Francisco. (24 Market St.)
Str. Scotia 181
Str. Santa Barbara..... 695
Str. Santa Monica..... 497

Harlan & Hollingsworth Corporation,
Wilmington, Del.
Str. Columbia 1923
Str. Cordova 2273
Str. Somers, Frank 309

Harper, Wm., Jr., Manager,
Boston. (92 State St.)
†Str. Edison Light 2549
†Str. Harper, M. E. 2294
†Str. Hawley, Geo. 2549
†Str. Lisman, F. J. 2294
†Str. Penobscot 2294
†Str. Seaconnet 2294
†Str. Stoddard, L. V. 2309
†Str. Warren, Geo. E. 2309

Hartford & N. Y. Transp. Co.,
Hartford, Conn.
Dge. Ajax 252
†Str. Comet 104
†Str. Edgemont 1409
†Str. Georgia 1749
†Str. Hartford 1488
Str. Mabel 84
†Str. Middletown 1483
Pile Driver No. 1 111
Digger No. 27 149
†Str. Onrust 95
Str. Raymond 33
†Str. Sachem 195
†Str. Seaboard 662
Str. Smith, A. M..... 37
†Str. Spartan 226
†Str. Tennessee 1240

Hart-Wood Lumber Co.,
San Francisco. (354 Berry St.)
†Str. Claremont 700
Str. Quinault 582
Str. Saginaw 886

Gross Tons

Hatfield, J. T., (Man. Owner), Covington, Ky.
Str. Convoy 170

Hauptmann, S. M., San Francisco, Cal. (Hotel Victoria.)
Str. Cascade 515

Havemeyer & Elder, New York City.
†Str. Industry 163

Healy, Wm. H., San Francisco, Cal. (649 Hyde St.)
Ga. s. Chetco..... 103

Henderson, M. L., Rock Island, Ill.
Str. Davenport 195
Str. Robinson, T. J..... 155

Hickey Transp. Co., E. J., Covington, Ky. (622 Madison Ave.)
Str. Aubrey, R. L. 99
Str. Convoy 149
Str. Hatfield, J. T. 153
Str. Plymouth 99
Str. Reeves, Reba 63

Hicks, D. R., Knoxville, Tenn.
Str. J. W. Hill..... 35

Higgins, Chas. H., Berkeley, Cal.
Str. Fort Bragg 705
Str. Sea Foam 339

Hicks-Hauptman Nav. Co., San Francisco. (Newhall Bldg.)
Str. Dorr, Temple E. 720
†Str. Leggett, Francis H. 1606
Str. Nehalem 632
Str. Stetson, J. B. 837

Hillsboro Dredging Co., Tampa, Fla.
Dge. Withlacoochee No. 1..... 163

Hinton Toulson Oil & Guano Co., Mila, Va.
Str. Blundon, William 240
Str. Brusstar, John Twohy.... 107
Str. Colonna, Chas. J. 231

Hitt Lumber Co., H. H., Decatur, Ala.
Str. American 171

Hobbs, Wall & Co., (See Crescent City Transp. Co.) San Francisco. (124 Cal. St.)
Str. Del Norte 450
Str. Mandalay 439
Str. Navarro 232
Str. Westport 211

Holman, H., Portland, Ore. (Ft. of Alder St.)
Str. America 91
Str. Iralda 99

Home Dredging Co., Mobile, Ala. (Bank of Mobile Bldg.)
Dredge No. 2 ....
Dredge No. 3 ....
Dredge No. 4 ....
Tug Greenwood, Harry ....
Tug Marion ....
Tug Mary Celina ....
Gas L. Nellie ....

Gross Tons

Hornbrook, Fred, Evansville, Ind.
Str. Ruth ....

Horton & Moore, Ft. Yukon, Alaska.
Str. Leota 36

Hosford Transp. Co., Portland, Ore. (Foot Washington St.)
Str. Rowena 11
Str. Wentworth, G. K. 325
Str. Weown 372

Howards' Co., The, New Haven, Conn. (250 Boulevard.)
Str. The Howard Co..... 234

Howard, John L., Oakland, Cal. (Western Fuel Co.)
Str. Wyefield 3235

Hudson, J. S., Kittanning, Pa.
Str. Hudson No. 3, Nellie..... 196

Hudson, Thos. J., Kittanning, Pa.
Str. Admiral Dewey..... 137

Hudson Navigation Co., New York. (Pier 32 N. R.)
Str. Greenport 1413
†Str. Rensselaer 2690
†Str. Trojan 2571

Hudson River Day Line, New York (Desbrosses St. Pier.)
†Str. Albany 1415
†Str. Fulton, Robert 2168
†Str. Hudson, Hendrick 2847
†Str. Irving, Washington 3500

Hudson Towboat Co., Hoboken, N. J. (foot 17th St.)
Str. Cogan, W. F..... 55
Str. Keller, Gerard H 108
Tug Keller, Herbert E. 57
Tug Keller, Irving G. 43
Tug Nichols, Harry 26
Tug Schultz, Geo. S. 43

Hudson Transportation Co., Wyoming, Del.
Str. Hudson, Asher J. 136

Hughes, James, Philadelphia, Pa. (115 Walnut St.)
Str. Hughes, Atkins 115
†Str. Hughes, John A..... 157
†Str. Lewis, John F..... 157

Humboldt Lumber Mfrs. Assoc., Eureka, Cal. (234 E St.)
Str. Ranger 144
Str. Bubne, H. H..... 97

Humboldt Steamship Co., Eureka, Cal.
Str. Humboldt 1075

Hunt, Hatch & Co., Oakland, Cal. (302 11th St.)
Gas. Etta B. 29
Gas. Matsen, Jessie 33
Str. Suisun City 152

Ideal Transportation Co., Fountain City, Wis.
Str. Ideal 38

Gross Tons

Illinois Central R. R. Co., Paducah, Ky.
Tug Archbold, Lizzie B. 45
Str. Bertram, John 390
Tug Cooper, Anna S. 85
Str. De Koven 399
Str. Duncan, W. B..... 575

Independent Line Steamers, Jacksonville, Fla. (foot of Newman St.)
Str. Garner, May 101

Independent Stbt. & Bge. Co., Washington, D. C.
Str. River Queen 573

Ingram, W. E., Little Rock, Ark.
Str. Grand 219
Str. Rapids 219

Inland Nav. Co.
See International S. S. Co.

Inman Packet Co., Black Rock, Ark.
Str. Lucas, Mary C..... 46
Str. Tucker No. 2, F. W. 97

Inter-Island Steam Nav. Co., Honolulu, Hawaii (39 Queen St.)
†Str. Claudine 846
Str. Hall, W. G..... 505
†Str. Helene 618
Str. Iwalani 588
Str. Kaiulani 384
Str. Kauai 366
†Str. Kilauea 1338
Str. Ke Au Hou 263
†Str. Kinau 975
†Str. Likelike 374
†Str. Maui 631
†Str. Mauna Kea 1566
Str. Mauna Loa 850
Str. Mikahaha 444
Str. Nihau 341
Str. Noeau 294
Str. Wailele 515

International Dredging Co., Seattle, Wash. (501 Central Bldg.)
Str. Miami 20
Str. Ohio ....
Str. Scioto 8

International Elevating Co., New York. (101 Produce Exch.)
Str. Ceres 380
Str. Excelsior 597
Str. International 590
†Str. Isis 591
Str. Renovator 471
†Str. Themis 591

International Fisheries Co., Tacoma, Wash.
Str. Zapora 289

International Mercantile Marine Co., (See American Line and Red Star Line.)

Inter-Ocean Transp. Co., St. Paul, Minn.
Str. Redondo 679
Str. Smith, Nann 2009

International S. S. Co., Inland Navigation Co., Tacoma-Seattle-Everett Route, Navy Yard Route, Seattle, Wash. (Colman Dock.)
Str. Athlon 157
Str. Bellingham 333
†Str. Chippewa 996
Str. City of Everett 212

	Gross Tons
Str. Comanche	Building
†Str. Indianapolis	765
†Str. Iroquois	1169
†Str. Kennedy, H. B.	500
†Str. Kulshan	926
Str. Potlatch	575
Str. Puget	234
Str. Rosalie	318
Str. Samson	328
Str. Sioux	464
Str. Solduc	1085
Str. Tacoma	Building
Str. Tourist	467
Str. Utopia	423
Str. Waialeale	342
Str. Whatcom	716

Interstate Car Transfer Co.,
St. Louis, Mo. (113 Union Sta.)

†Tug Kavanaugh, William K.	203
Str. McClellan, Wm.	185

Interstate Cooperage Co.,
Belhaven, N. C.

Str. Belhaven	96
Str. May Russell	37
M. B. Mary B.	...
M. B. Helen B.	...

Iron City Sand Co.,
Pittsburg, Pa. (307 Westinghouse Bldg.)

Str. Independent	176
Str. Pfeil, P. M.	116
Str. Pittsburgh	148
Str. Progress	195
Str. Return	109

Iron Steamboat Co. of New Jersey,
New York, (17 Battery Pl.)

†Str. Cepheus	882
†Str. Cetus	847
†Str. Cygnus	857
†Str. Pegasus	847
†Str. Perseus	847
†Str. Sirius	993
†Str. Taurus	916

Island Creek Fuel Co.,
Huntington, W. Va.

Str. Collins, Val P.	119
Str. Davis, Catherine	334

Island Trans. Co.,
Seattle, Wash. (427 30th Ave.)

Str. Camans	144
Str. Fairhaven	319
Str. Falcon	49
Str. Whidby	192
Str. Wolverine	14

Jacksonville Forwarding Co.,
Jacksonville, Fla.

Str. St. Johns	81

January, H.,
Morgan City, La.

Str. Eulallie C.	27

Jarvis Lighterage Co.,
New York. (59 Pearl St.)

Tug Petty, Robert E.	82

Jay St. Terminal Co.,
New York City.

Tug. Arbuckle, John	207
†Str. Hercules	163
Tug. Smith, William V. R.	207

Jefferson, Lewis,
Washington, D. C.

Str. Moseley, Jane	800

Jensen, J. A.,
Winslow, Wash.

Str. Florence K.	143

	Gross Tons
Johnson, E. F., Milton, Fla.	
Str. Sun	84
Johnson, Capt. John, Silverdale, Wash.	
Str. Norwood	135
Johnston, P. H., Evansville, Ind.	
Str. Lord, Russell	295
Str. Margaret	328
Str. Pavonia	132
Kanawha Packet & Pass. Co., Charleston, W. Va.	
Str. Dickinson, J. O.	143
Keefe, C. F., Vanceboro, Me. (High St.)	
Str. Alice May	97
Keeler, Elmer A., New York City (1 Broadway)	
†Str. Keeler, Elmer A.	236
Kehoe's Iron Works, Savannah, Ga.	
Str. Colonel Elder	9
Keller & Knight, Tampa, Fla.	
Str. Morgan	994
Kellogg Trans. Co., J., Portland, Ore. (foot of Washington St.)	
Str. Chester	130
Str. Kellogg, Jos.	462
Kennedy, James, Catlettsburg, Ky.	
Str. Sea Lion	106
Kentucky & Indiana Ferry Co., Madison, Ind. (320 E. Second St.)	
Str. Trimble	242
Kerchoff, Curzner Mill & Lumber Co., Los Angeles, Cal.	
†Str. San Gabriel	484
Ketchikan Power Co., Ketchikan, Alaska.	
Str. Vigilant	70
Kimball, Lee, Mobile, Ala.	
Dge. Withlacoochee, No. 3	226
King County, Seattle, Wash.	
Str. Washington	323
King Transportation Co., J. B., New York (17 State St.)	
Tug. Gypsum King	581
Kirchner Contracting Co., Inc., Dubuque, Iowa.	
Str. Swain, Percy	95
Kitsap County Transp. Co., W. L. Gazzam, Pres., Seattle, Wash. (Galbraith Dock, Pier 3.)	
Str. Burton	122
Str. Hyak	195
Str. Kitsap	195
Str. Reliance	154

	Gross Tons
Klein Line, Jno. F. Klein, Pittsburg, Pa.	
Str. Liberty	68
Knickerbocker Steam Towage Co., New York (1170 Broadway)	
Str. Bismarck	124
Str. Britannia	115
Str. Delta	81
Str. Haley, E. D.	55
Str. Imperial	160
Str. Lawrence, Charlie	54
Str. Perry	107
Str. Princess	151
Str. Ross, Ralph	93
Str. Sequin	96
Kruse, E. & E. T., San Francisco, Cal. (24 California St.)	
Str. Doris	725
Str. Elizabeth	363
Str. Helene	672
Laidley, F. A., Cincinnati, O. (foot Main St.)	
Str. Carrel, Hercules	217
Lake George Steamboat Co., Burlington, Vt.	
Str. Horicon	1100
Str. Sagamore	1000
Str. Mohican	200
Lamb, G. E., Clinton, Ia.	
Str. Chaperon	120
Lamb, Lafayette, Clinton, Iowa. (317 7th Ave.)	
Str. Wanderer II.	140
Lamberts Point Towboat Co., Norfolk, Va.	
†Tug McCaulley, E. V.	136
Tug Triton	259
Lambon & Noel Lumber & Mfg. Co., New Orleans, La.	
Str. Davis, Will.	150
Lancaster, E. J., Le Claire, Iowa.	
Str. Eclipse	148
Leale, William G., San Francisco, Cal. (2266 Vallejo.)	
Str. Caroline	182
Learned, R. F., Natchez, Miss.	
†Str. Belsey, Ann	295
Leary, George, New York City (Room 802, 17 State St.)	
Str. Viking	234
Lee, Frank, Newport News, Va.	
†Str. Ila	88
Lee Line Steamers, Memphis, Tenn. (wharfboat between foot Union and Beale Aves.)	
Str. Eleanore	97
Str. Herold, Ferd	544
Str. Lee, Bob, Jr.	176
Str. Lee, Georgia	595
Str. Lee, Harry	200
Str. Lee, James	569
Str. Lee, John	181
Str. Lee, Peter	463

	Gross Tons
Str. Lee, Rees	403
Str. Lee, Sadie	247
Str. Lee, Stacker	710

Lehigh & Wilkes Barre Coal Co.,
New York. (143 Liberty St.)

†Str. Honeybrook	373
†Str. Nottingham	408
†Str. Plymouth	373

Lehigh Valley Lighterage Line,
Jersey City, N. J. (28 Clifton Pl.)

†Tug. Ganoga	204
†Tug Genesee	204
†Tug Mahanoy	204
Tug Superior	168

Lehigh Valley Railroad Co.,
New York. (143 Liberty St.)

Tug. Allentown	46
Str. Aurora	234
Str. Batavia	202
Tug. Bernice	26
Tug. Catasauqua	78
Tug. Cheektowaga	331
Tug. Geneva	132
Tug Hazelton	97
Tug Irvington	398
Tug. Ithaca	105
Str. Lehigh	446
Tug. Luzerne	165
St. Ltr. Neshanic	271
Tug. Owasco	117
Str. Packerton	430
Str. Powerful	176
†Str. Seneca	2669
Str. Shamokin	120
†Tug Shawanese	199
Str. Slatington	221
Str. Towanda	172
†Str. Wilkes Barre	4153
†Tug Wyoming	398

Lewes Fisheries Co.,
Lewes, Del.

Str. City of Lewes	254
Str. Henlopen	254

Lewis, J. B.,
Handley, W. Va.

Str. Lewis, J. B.	162

Lewis River Trans. Co.,
Portland, Ore. (263½ Yamhill St.)

Str. Mascot	299
Str. Speillie	25
Str. Walker, G. M.	154

Liebes, J.,
San Francisco, Cal. (1701 Broadawy)

†Str. Catania	3269
Str. Herman	410

Linderman, Fred,
San Francisco. (110 Market St.)

Str. Bee	600
Str. Cricket	1200
Str. Gualala	225
Str. Hornet	500
Str. Wasp	569

Lindsey, H. M.,
Mobile, Ala. (1304 Dauphin St.)

Str. American	190

Live Stock Transfer Co.,
New Orleans, La. (Crescent City Stock Yards)

Str. Corozal	283

Long Island R. R. Co.,
New York City (ferry foot East 34th St.)

F. B. Babylon	1310
F. B. Garden City	825
Tug Gladiator	167
F. B. Hempstead	1310
Ltr. Long Island	163
F. B. Manhattan Beach	630
Tug Patchogue	190
F. B. Southampton	673
Tug Syosset	176
Tug Wrestler	198

Loop Lumber Co.,
San Francisco. (Central Basin.)

†Str. Chatham, Wm.	915
Str. Loop, F. S.	445
Str. Poulsen, Johan	423

Lorenz, C. O.,
Tacoma, Wash (311 South 4th St.)

Str. Typhoon	86

Lorenz, Ed.,
Tacoma, Wash. (1106 North K St.)

Str. Tyconda	186

Lorenz, Otto,
Tacoma, Wash. (311 South 4th St.)

Str. Tyrus	174

Louisiana & Miss. R. R. Transfer Co.,
New Orleans, La.

Str. Albatross	1103
†Str. Pelican	1079

Louisiana Petroleum Co.,
New Orleans, La. (527 Canal St.)

Str. Eagle	185

Louisville & Cincinnati Packet Co.,
Cincinnati, O. (foot of Main St.)

Str. Brown, Hattie	58
Str. City of Cincinnati	816
Str. City of Louisville	1141
Str. Corker	99
Str. Indiana	836
Str. Loucinda	197

Louisville & Evansville Transportation Co.,
Louisville, Ky. (wharfboat foot 3d St.)

Str. Tarascon	660
Str. Tell City	366

Louisville & Jeffersonville Ferry Co.,
Louisville, Ky. (122 Front St.)

Str. City of Jeffersonville	161
Str. Corona	...

Luckenbach, Edgar F.,
New York City (8 Bridge St.)

Str. Damara	...
Str. Lyra	4417
Str. Luckenbach, Edward	401
Str. Luckenbach, M. E.	439
Str. Luckenbach, Walter A.	434
Str. Luckenbach, D. N.	2929
Str. Luckenbach, Edgar F.	272
†Str. Luckenbach, F. J.	2564
†Str. Luckenbach, Harry	2798
†Str. Luckenbach, Jacob	2793
†Str. Luckenbach, Julia	3100
†Str. Luckenbach, J. L.	4920
†Str. Luckenbach, Lewis	3905
†Str. Luckenbach, S. V.	3636
Str. Pleiades	...
Str. San Mateo	2926

Lyon Packet Co.,
Greenville, Miss.

Str. Speed	85
Str. Swain, Verne	155

McAllister Bros.,
New York. (109 Broad St.)

Str. Iroquois	1652
Str. McAllister	140
Str. Morse, C. W.	509

McAvoy, P. W.,
Philadelphia, Pa. (121 Walnut St.)

†Str. Adriatic	113

McCormick & Co., C. R.,
San Francisco, Cal. (Fife Bldg., 1 Drumm St.)

Str. Klamath	992
Str. Shoshone	646
Str. Yellowstone	767
Str. Yosemite	827

McCraney, William,
Winona, Minn.

Str. The Purchase	193

McDermott, Capt. F.,
Kettle Falls, Wash.

Str. Enterprise	129

McDowell, Capt. Matthew,
Caledonia, near Tacoma, Wash.

Str. Daring	163
Str. Defiance	171

McIntosh, A. J.,
Annapolis, Md.

Str. City of Milford	264

McKaughan & Son,
Stephensport, Ky.

Str. Hornet	12

McKay & Co.,
San Francisco, Cal. (110 Market St.)

Str. Loggie, J. J.	314

McNeely, Capt. S. B.,
Natchez, Miss.

†Str. El Capitan	88
Str. Little Rufus	278

McQuesten, Frank B.,
Boston, Mass. (27 Kilby St.)

Sty. Juanita	109

McWilliams, C. E.,
Jersey City, N. J.

Str. Battler	153
Str. McWilliams, Chas.	83
Str. Phillips, Mabel L.	860
Str. Skidmore, Abram P.	73
Str. Vigilant	226

McWilliams Blue Line, Jas.,
New York. (1 Broadway.)

Str. Garrett, John	118
Str. McWilliams, Sarah E.	294

Madison Co. Ferry Co.,
St. Louis, Mo.

Str. Greeley, Carlos S.	403
Str. Madison	292

Madison Transpn. Co.,
Keansburg, N. J.

Str. Collins, John B.	325

Maine Cent. R. R. Co.,
Portland, Me.

†Str. Ferdinando Gorges	1312
Str. Hercules	800
Str. Moosehead	677
Str. Norumbega	304
†Str. Pemaquid	409
Str. Rangeley	(building)
†Str. Samoset	294
Str. Sappho	275
†Str. Sieur de Monts	469

Mallory Steamship Co.,
New York. (Pier 36, North River.)

†Str. Alamo	2942
†Str. Brazos	6399
†Str. Colorado	2764
†Str. Comal	2934

	Gross Tons
†Str. Concho	3724
†Str. Denver	4549
†Str. Lampasas	2942
†Str. Nueces	3367
†Str. Rio Grande	2556
†Str. Sabine	3328
†Str. San Jacinto	6069
†Str. San Marcos	2839
†Str. Santiago	2359

Markle, William R., St. Marys, W. Va.

Str. Conquest	209

Marmet Coal Co., The, Cincinnati, O. (Central Ave. and Water St.)

Str. Marmet, Florence	263
Str. Marmet, Lucie	185

Martin Sand & Gravel Co., Seattle, Wash. (foot of Lane St.)

Str. Magic	67

Maryland, Del. & Va. Ry. Co., Baltimore (Pier 1, Pratt St.)

Str. Arundel, Anne	795
Str. Calvert	889
Str. Caroline	187
Str. Corsica	368
Str. Essex	580
Str. Ford, B. S.	417
Str. Gratitude	214
†Str. Lancaster	919
†Str. Middlesex	1197
†Str. Northumberland	993
†Str. Potomac	763
Str. Three Rivers	1110
Str. Westmoreland	846

Mary Powell Stbt. Co., New York. (Desbrosses St. Pier.)

Str. Powell, Mary	983

Master Mariners' Towboat Co., Gloucester, Mass. (Perce St.)

Str. Eveleth	42
Str. Mariner	49
Str. Nellie	46

Matson Nav. Co., San Francisco (268 Market St.)

†Str. Enterprise	2675
†Str. Hilonian	2921
†Str. Hyades	3753
Tug Intrepid	670
†Str. Lurline	5828
†Str. Manoa (building)	6500
†Str. Matsonia (building)	8500
†Str. Wilhelmina	6974

May, George, Philadelphia, Pa. (3603 Reed St.)

†Str. Hudson, Asher J.	136

Megee, Geo. R., Milton, Del.

Str. Tohmas, Marie	122

Mehl, H. F., Chilicothe, Ill.

Str. Columbia	222

Memphis & Arkansas City Packet Co., Memphis, Tenn. (Wharfboat, foot Union Ave.)

†Str. Adams, Kate	595

Menge Bros., Fort Myers, Fla.

Gas. Andros	5
Str. Edison, Thomas A.	33
Gas. May	5
Str. Nyanza	12
Gas. Seminole	6
Str. Suwanee	30
Str. Uneeda	66

	Gross Tons
Mengel Box Co., Louisville, Ky.	
Str. Mengel Box Co.	164
Menhaden Fishing Co., Philadelphia, Pa. (421 Chestnut St.)	
Str. Arizona	201
Str. Brown, Albert	108
Str. Fearless	121
Str. Gallup, Annie E.	141
Str. Lawrence, John L.	229
Str. Mills	3107
Str. Quickstep	231
Str. Strong, Nat	176
Str. Vester	117
Mercantile Trust & Deposit Co., Baltimore, Md. (Calvert & German Sts.)	
Str. City of Baltimore	2379
Str. City of Norfolk	2379
Str. Williams, Henry	1861
Merchants & Miners' Transp. Co., Baltimore, Md. (General Offices, cor. Light & German Sts.)	
†Str. Alleghany	1704
†Str. Berkshire	2014
†Str. Cretan	2350
†Str. Dorchester	2537
†Str. Essex	3018
†Str. Frederick	1872
†Str. Gloucester	2541
†Str. Grecian	2827
†Str. Howard	3581
†Str. Indian	2110
†Str. Ithasca	1416
†Str. Juaniata	3465
†Str. Kershaw	2599
†Str. Lexington	2092
†Str. Merrimack	2546
†Str. Nantucket	2599
†Str. New Orleans	1564
†Str. Ontario	3082
†Str. Parthian	2082
†Str. Persian	2677
†Str. Powhatan	2898
†Str. Quantico	2676
†Str. Somerset (building)	4200
†Str. Suwannee (building)	4200
†Str. Tuscan	2415
Merchants & Planters' Ferry Co., New Orleans, La.	
†Str. Marrero, L. H.	163
Merchants Marine Terminal & Transportation Co., New York. (Pier 29, E. River.)	
Str. Morgan, James L.	181
Merchants Transportation Co., Tacoma, Wash.	
Str. Dove	85
Str. Lake, T. W.	191
Str. Magnolia	119
Str. Sentinel	133
Str. Sterrett, A. W.	181
Merrill-Stevens Co., Jacksonville, Fla.	
Str. Clinton	1187
Merritt & Chapman D. & W. Co., New York (17 Battery Pl.)	
Str. Champion	342
Str. Chancellor	383
†Str. Commissioner	403
Str. Hustler	192
Str. Merritt, I. J.	359
Str. Relief	828
Str. Rescue	537

	Gross Tons
Metropolitan Redwood Lumber Co., San Francisco, Cal. (1 Drumm St.)	
Str. Rival	266
Str. San Pedro	456
Metropolitan Steamship Co., New York City (Piers 9-11 N. R.)	
†Str. Dimock, H. F.	2625
Str. Harvard	3737
†Str. Whitney, H. M.	2706
†Str. Whitney, James S.	2707
†Str. Winter, Herman	2625
Str. Yale	3731
Miller, Frank, Bridgeport, Conn.	
Str. Brown, I. E.	133
Miller Salvage Co., Ltd., Honolulu, H. I. (P. O. Box 527)	
Str. Makee, James	301
Mississippi Packet Co., New Orleans, La. (337 Carondelet St.)	
Str. Menge	300
Str. St. James	344
Mobile & Gulf S. S. Co., Panama City, Fla.	
†Str. Manteo	719
Monongahela & Ohio Packet Co., Pittsburg, Pa. (foot Smithfield St.)	
Str. Nowland, Lucille	225
Str. Woodward, I. C.	282
Monongahela River Cons. Coal & Coke Co., Pittsburg, Pa. (8 Market St.)	
Str. Bertha	162
Str. Boaz	623
Str. Brown, Alice	551
Str. Brown, Charles	544
Str. Brown, Harry	604
Str. Brown, Jim	153
†Str. Brown, Nellie	56
Str. Brown, Sam	491
Str. Cadet	122
Str. Carbon	121
Str. Clark, Charlie	147
Str. Clarke, Samuel	435
Str. Clipper	185
Str. Coal City	361
Str. Corsair	95
†Str. Cruiser	341
Str. Crusader	137
Str. Dodsworth, Tom	500
Str. Donaldson, J. A.	309
Str. Dougherty, Mike	43
Str. Duquesne	622
Str. Enterprise	297
Str. Exporter	578
Str. Fallie	302
Str. Field, W. K.	282
Str. Finley, J. B.	679
Str. Fulton	53
Str. Gray, Wash.	105
Str. Honshell, Wash.	134
Str. Horner, Raymond	688
Str. Jenkins, Robert	242
Str. Jones, Harry P.	146
†Str. Jones, N. M.	34
Str. Laurel	67
Str. Little Fred	126
†Str. Mariner	371
†Str. Mongah	112
Str. Monterey	107
Str. Moren, James	602
Str. Oakland	628
Str. Pacific No. 2	570
Str. Pittsburg	711
Str. Prentiss	61
Str. Ranger	107

	Gross Tons
Str. Rescue	81
Str. Risher, J. C.	148
Str. Rival	244
Str. Rover	145
†Str. Sprague	1479
Str. Tide	124
Str. Tornado	319
Str. Transit	156
Str. Twilight	119
Str. Valiant	307
Str. Volunteer	313
Str. Voyager	213
Str. Williams, Jos. B.	801
†Str. Wilmot	163
†Str. Wilmot, Maud	57
†Str. Wilmot, R. W.	569
Str. Wood, Jim	525
Str. Wood, John A.	687
Str. Wood, T. J.	127

Monongahela & Western Dredging Co.,
Pittsburg, Pa. (54 Conestoga Bldg.)

Str. Smoot, W. T.	128

Montauk Stbt. Co., Ltd.,
Long Island City, N. Y.

Str. Manhanset	154
Str. Montauk	641
Str. Nassau	400
Str. Orient	471
†Str. Sagamore	458
†Str. Shinnecock	1205
†Str. Wyandotte	320

Monterey Lime Co.,
San Francisco, Cal. (764 Mills Bldg.)

Ga. s. Newark	120

Monticello S. S. Co.,
San Francisco. (Clay St. Pier.)

Str. Arrow	318
Str. Frisbie, Gen.	544
Str. Monticello	226
Str. Napa Valley	1500
Str. Sehome	692

Montjoy, Paul D.,
Greenwood, Miss.

Str. Choctaw	240

Moran Towing & Transp. Co.,
New York. (17 Battery Pl.)

Tug Moran, Catherine	213
†Tug Moran, Edmund	102
†Tug Moran, Eugene F.	164
Tug Moran, Helen B.	...
Tug Moran, Joseph H.	67
†Tug Moran, Julia C.	164
†Tug Moran, M.	121
Tug Palmer, Arthur W.	117

Morgan, Randal,
Philadelphia. (Chestnut Hill.)

†Str. Waturus	571

Morgan's La. & Texas R. R. & S. S. Co.,
New Orleans, La. (Magazine cor. Natchez)

Str. Bagasse	57
†Str. Carrier	1749
†Tug El Listo	200
Tug El Mozo	104
†Tug El Vivo	200
Tug Juno	80
Tug Picayune	22
Str. Ratoon	52
†Tug Restless	53
†Str. Saccharine	98
Str. Sugarland	100

Morris, Geo. F.,
Hannibal, Mo.

Str. Davis, J. T.	124

	Gross Tons
Mt. Vernon & Marshall Hall Stbt. Co., Washington, D. C. (Seventh St. Wharf.)	
Str. Macalester, Chas.	624
Munn, F. W., Philadelphia. (311½ Walnut St.)	
Tug. Alert	51
Tug. Boxer	216
Tug. Columbia	84
Tug. Esherick, Frank K.	69
Tug. Mars	278
Tug Prudence	292
Tug Teaser	216
Tug Patience	292
Muskingum & Ohio River Trans. Co., McConnelsville, O.	
Str. Lorena	287
Muskingum Valley Transp. Co., Newton Price, Mgr., McConnelsville, O.	
Str. Valley Gem	156
Myers & Co., George T., Seattle, Wash. (568 Colman Bldg.)	
Gas Barron, Robt.	13
Gas Chilkoot	14
Str. Kelley, Philip F.	137
Gas Mary B.	28
Gas Nixon, Annie M.	40
Nantasket Beach Stbt. Co., Boston. (7 Rowes Wharf.)	
Str. Alden, Betty	775
Str. Mayflower	728
Str. Nantasket	739
Str. Old Colony	741
†Str. South Shore	874
Str. Standish, Myles	700
†Str. Standish, Rose	993
Napa Transp. Co., Napa, Cal. (Foot of Brown St.)	
Str. St. Helena	344
Str. Zinfandel	329
Nashville, Chattanooga & St. Louis Ry., Nashville, Tenn.	
Str. Guntersville	204
Str. Huntsville	172
10 Car Float	646
8 Car Float	583
6 Car Float	420
National Lighterage Co., New York. (1790 Broadway.)	
Tug Williams, E. T.	97
National Sand & Gravel Co., Pittsburg, Pa. (1104 Bessemer Bldg.)	
Str. National	144
National S. S. Co., San Francisco, Cal. (Crocker Bldg.)	
†Str. Arctic	392
Str. Brunswick	512
Str. Coquille River	415
Str. National City	310
Str. Noyo	316
Navy Yard Route, See International S. S. Co.	
Nehalem & South Coast Transportation Co., Astoria, Ore.	
Gas Patsy	155
Gas Tillamook	281

	Gross Tons
Nelson Co., The Chas., San Francisco, Cal. (16 California St.)	
†Str. Falcon	1838
Str. Lakme	529
Str. Nelson, Charles	629
Str. Nome City	939
Str. North Fork	322
†Str. Riverside	1838
Newark & N. Y. Bay Nav. Co., Newark, N. J. (77 Passaic Ave.)	
Ltr. Greenwich	125
Ltr. Leader	198
New Bedford M. V. & Nantucket Stbt. Co., New Bedford, Mass. (7 Commercial St.)	
Str. Gay Head	701
Str. Marthas Vineyard	515
Str. Nantucket	629
†Str. Sankaty	677
†Str. Uncatena	652
New Bedford Tow Boat Co., New Bedford, Mass.	
Str. Gosnold	181
Newburgh & Haverstraw Stbt. Co., Haverstraw, N. Y. (Box 425.)	
Str. Emeline	383
Newcomb, M. H., Pepin, Wis.	
Str. Red Wing	98
New England Coal & Coke Co., Boston, Mass. (111 Devonshire St.)	
†Tug Boswell	311
†Str. Everett	5107
†Tug Gwalia	415
†Str. Malden	5107
†Str. Melrose	5107
†Tug Murrell	311
†Str. Newton	5194
New England Fish Co., Portland, Me.	
Str. Kingfisher	263
Str. Manhattan	291
Str. New England	230
New England Nav. Co., New London, Conn.	
Str. Block Island	757
†Str. Boston	3626
†Str. Bridgeport	1310
†Str. Bunker Hill	4029
†Str. Chapin, Chester W.	2868
Str. City of Brockton	2771
Str. City of Fall River	2533
Str. City of Lowell	2975
Str. City of Taunton	2881
†Str. City of Worcester	2489
†Str. Commonwealth	5980
Str. Connecticut	3390
†Str. General	332
Str. Maine	2395
†Str. Massachusetts	4029
†Str. Mohawk	2783
†Str. Mohegan	2783
†Str. Naugatuck	1113
Ltr. New England	417
†Str. New Hampshire	2395
†Str. New Haven	2930
Str. New Shoreham	503
†Str. Old Colony	4029
Ltr. Peck, Eleanor F.	357
†Str. Peck, Richard	2906
†Str. Pequonnock	2930
†Str. Pilgrim	3483
†Str. Plymouth	3770
†Str. Priscilla	5292
†Str. Providence	4365
†Str. Puritan	4593
†Str. Transfer No. 3	130
†Str. Transfer No. 4	102
Ltr. Worth, John M.	442

Gross Tons

New Jersey Nav. Co.,
New York. (17 Battery Pl.)
Str. Grand Republic 1760

New Orleans Board of Commissioners,
New Orleans, La. (200 N. O. Court Bldg.)
†Str. Samson 159

Newport News & Old Point R. R. & Elec. Co.,
Hampton, Va.
†Str. Endeavor 315

New York & Balto. Transp. Line,
Baltimore, Md. (112 Light St.)
†Str. Chesapeake 1101
†Str. Manna-Hata 1103
†Str. Porto Rico 1257

N. Y. Central & H. R. R. Co.,
New York. (6 Beaver St.)
†Str. Depew, C. M. 176
†Str. N. Y. Central No. 1..... 110
†Str. N. Y. Central No. 2..... 215
†Str. N. Y. Central No. 3..... 150
†Str. N. Y. Central No. 4..... 457
†Str. N. Y. Central No. 5..... 410
†Str. N. Y. Central No. 6..... 453
†Str. N. Y. Central No. 7..... 113
†Str. N. Y. Central No. 8..... 144
†Str. N. Y. Central No. 9..... 134
†Str. N. Y. Central No. 10..... 176
†Str. N. Y. Central No. 11..... 110
†Str. N. Y. Central No. 12..... 103
†Str. N. Y. Central No. 13..... 103
Str. N. Y. Central No. 14..... 404
Str. N. Y. Central No. 15..... 176
Str. N. Y. Central No. 16..... 404
†Str. N. Y. Central No. 17..... 147
†Str. N. Y. Central No. 18..... 103
†Str. N. Y. Central No. 19..... 159
Str. N. Y. Central No. 20..... ...
†Str. N. Y. Central No. 21..... 101
†Str. N. Y. Central No. 22..... 101
†Str. N. Y. Central No. 23..... 113
Str. N. Y. Central No. 24..... 215
†Str. New York Central No. 25. 215
Str. N. Y. Central No. 26..... 210
Str. N. Y. Central No. 27..... 231
†Str. N. Y. Central No. 28..... 508
†Str. N. Y. Central No. 29..... 281

New York, City of
New York City.
Fire B. Boody, David A. 94
†Fire B. Duane, James 326
†Fire B. Hewitt, Abram S. 223
‡Fire B. Lawrence Cornelius W. 172
Fire B. Low, Seth 82
†Fire B. McClellan, Geo. B. 256
†Fire B. Mills, Zophar 185
†Fire B. Strong, William L. ... 203
†Fire B. The New Yorker 243
†Fire B. Willett, Thomas 326

New York & College Point Ferry Co.,
New York City (foot East 99th St.)
Str. Bronx 445
Str. Hackensack 917
Str. North Beach..... 833
Str. Port Morris..... 561
Str. Queens 802

New York & Cuba Mail S. S. Co.,
New York. (Pier 14, E. R.)
†Str. Antilla 3405
S. Ltr. Auxiliar 289
†Str. Bayamo 3206
Tug Brandow, Edwin 124
†Str. Camaguey 3405
Tug Colonia 200
S. Ltr. Comport 180
†Str. Esperanza 4702
Str Guantanamo 3297
†Str. Havana 6391

Gross Tons

†Tug Hercules 163
†Str. Manzanillo 1816
†Str. Matanzas 3094
†Str. Mexico 6207
†Str. Monterey 4702
†Str. Morro Castle 6004
Tug Nautilus 105
Tug Neptuno 136
†Str. Santiago 3283
†Str. Saratoga 6391
†Str. Seguranca 4033
†Str. Seneca 2729
†Str. Vigilancia 4115
†Str. Yumuri 1838

New York & Hastings Stbt. Co.,
New York. (41 Park Row.)
Str. Amackassin 266
Str. Knickerbocker 310

New York & Hudson Transp. Co.,
New York.
Str. Jones, Frank 1634

New York & Porto Rico S. S. Co.,
New York (11 Broadway.)
†Str. Berwind 2589
Str. Carolina 5017
Str. Coamo 4384
Str. San Juan 3503
Str. Ponce 3503
Str. Corozal 3065
Str. Isabela 3063
Str. Lorenzo 3063
†Str. Massapequa 3193
Str. Montoso 3063
Str. Pathfinder 2792
Str. Santurce 1836
Str. Ramos 843

New York, New Haven & Hartford R. R. Co.,
New Haven, Conn.
†Str. Express 945
Str. Transfer No. 21..... 267

New York, Ontario & Western Ry. Co.,
New York. (56 Beaver St.)
†Tug Ontario 415
Str. St. Joseph..... 304
†Tug Western 415

New York, Phila. & Norfolk R. R. Co.,
Philadelphia. (26 S. 15th St.)
Str. Cape Charles 296
Str. Crisfield 236
Str. Delmar 294
†Str. Maryland 1369
†Str. New York 785
†Str. Norfolk 211
Str. Parksley 296
†Str. Pennsylvania 1352
Str. Philadelphia 37
Str. Pocomoke 293
Str. Portsmouth 214
†Str. Salisbury 284

Niantic Menhaden Oil & Guano Co.,
South Lyme, Conn.
Str. Beckwith, F. H..... 195
Str. Codd, E. J..... 141

Norfolk & Southern Ry. Co.,
Norfolk, Va.
Tug Lynnhaven 145

Norfolk & Washington, D. C., Stbt. Co.,
Washington, D. C. (ft. Seventh St.)
Str. Newport News 1535
Str. Northland 2055
†Str. Southland 2081

North Alaska Salmon Co.,
San Francisco. (110 Market St.)
Gas Sch. Bonito 130

Gross Tons

Ga. Str. Expansion 135
Str. Haller, Geo. F..... 139

Northern Main Power Packet Co.,
Rockland, Me.
Gas Northland 2047

Northern Nav. Co.,
San Francisco. (310 Sansome St.)
Str. Alice 400
Str. Arnold 692
Str. Campbell, D. R..... 718
Str. Crimmin, Wilbur 124
Str. Delta 293
Str. Gustin, F. K..... 718
Str. Hannah 1130
Str. Herman 456
Str. Ida May 278
Str. Isabelle 162
Str. Leon 692
Str. Linda 692
Str. Louise 717
Str. Margaret 520
Tug. Meteor 68
Str. Oil City 718
Str. Pilgrim 718
Str. Reliance 291
Str. St. Michael 718
Str. Sarah 1130
Str. Schwatka 484
Str. Seattle 718
Str. Seattle No. 3..... 548
Str. Susie 1130
Str. Tacoma 718
Str. Tanana 496
Str. Victoria 718
Str. Washburn, M. L. 284
Str. Young, Lavelle..... 506

Northern Steamship Co.,
Aberdeen, Wash.
Str. Lindsay, A. G.....1067

Northland S. S. Co.,
Seattle, Wash. (Pier A, foot Washington St.)
†Str. Northland 697

North Pacific S. S. Co.,
San Francisco, Cal.
Str. Alliance 697
†Str. Elder, George W. 1709
Str. Eureka 484
Str. Kilburn, F. A. 997
Str. Newport 247
†Str. Roanoke 2354
Str. Santa Clara 1588
†Str. Yucatan 3525

Northport Oyster Co.,
Northport, N. Y.
Str. Supervisor 214

Northwestern Fisheries Co.,
Seattle, Wash. (403 Maynard Bldg.)
Str. Altoona 328
Str. Bancroft, W. H. 179
Tug Carpenter, A. B. 141
Tug Equator 76
Tug Salmo 57
Tug Shelikof 173

Northwestern Pacific R. R. Co.,
San Francisco. (801 Phelan Bldg.)
Str. Cazadero 1682
Str. Donahue 730
Str. Lagunitas 767
Str. Marin 101
Str. Sausalito 1766
Str. Tamalpais 1631
Str. Tiburon 1248
Str. Ukiah 2564

Norwich & New York Propeller Co.,
New York. (New Pier 22, E. R.)
Str. Chelsea 564
Str. Thames 447

Gross Tons

Oakley, R. L., North Bend, Ore.
Gas. Transit 14

Ocean Freight Line, Inc., Wilmington, Del.
Str. Bayamon 2551
Str. Borinquen 2551
Str. Grayson 2551
Str. Yaguez 2551

Oceanic Steamship Co., San Francisco (100 Davis St.)
†Str. Sierra 5989
†Str. Sonoma 6279
†Str. Ventura 6282

Ocean Steamship Co. of Savannah, New York. (Pier 35, N. R.)
†Str. City of Atlanta 5433
†Str. City of Augusta 2869
†Str. City of Columbus 5433
†Str. City of Macon 5311
†Str. City of Memphis 5252
Str. City of Montgomery 5425
Str. City of St. Louis 5425
†Str. City of Savannah 5654
Tug Gen. G. M. Sorrell 169
†Str. Nacochee 2680
†Tug Wadley, William M. 154

Ocklawaha & St. John Nav. Co., "Hart Line," Palatka, Fla. (Hart Block.)
Str. Hiawatha 129
Str. Okeehumkee 65

Ohio River Sand Co., Louisville, Ky.,
Str. Duffy 98

Ohio River Transit Co., Cincinnati, O. (ft. Main St.)
Str. Kentucky 378

Old Dominion S. S. Co., New York City (Pier 25 N. R.)
†Str. Berkeley 1075
†Str. Brandon 1062
Str. Commodore 125
†Str. Dare, Virginia 187
Str. Florence 110
†Tug. Germania 73
†Str. Hamilton 3723
†Str. Hampton Roads 450
†Str. Jamestown 2898
†Str. Jefferson 3723
Tug. Kathryn 84
Str. Luray 423
†Str. Madison 3734
Str. Marie 121
†Str. Mobjack 610
†Str. Monroe 4704
†Str. Nellie 141
Str. Ocracoke 421
†Str. Pocahontas 814
†Str. Princess Anne 3629
†Tug Rowland, Wm. 129
†Str. Smithfield 725
Str. Transfer 102
†Str. Tyler (now building)
Tug. Virginia 66

Olson & Mahony, San Francisco. (Fife Bldg.)
Str. Butler, Jim 642
Str. Carlos 865
Str. Mahoney, Rosalie (building)
Str. Olson, Mary (building)
Str. Olson, Oliver J. 1825
Str. Olson & Mahony 1497
Str. Washington 539
Str. Westerner 601

Olympia & Tacoma Nav. Co., Tacoma, Wash.
Str. Greyhound 107
Str. Multnomah 312
Str. Nisqually .....

Gross Tons

Onachita Transpn. Co., Savanna, Ill.
Str. America 427

O'Neil, Thomas, Shelton, Wash.
Str. City of Shelton 190
Str. Simpson, S. G. 267

Oregon City Trans. Co., Portland, Ore. (ft. Taylor St.)
Str. Grahamona 443
Str. Oregona 370
Str. Pomona 365

Oregon-Washington R. R. & Nav. Co., Portland, Ore.
Str. Elmore 493
Str. Harrison 270
Str. Harvest Queen 585
Str. Hassalo 561
Str. Lewiston 548
Str. Potter, T. J. 826
Str. Spokane 561

Oregon-Washington R. R. & Nav. Co., Ilwaco Division, Ilwaco, Wash.
Str. Nahcotta 149

Owen & Co., Thos. J., New York City (97 Water St.)
Str. Manzanillo 178

Pacific-American Fisheries, Seattle, Wash.
†Str. Windber 2440

Pacific Alaska Nav. Co., Seattle, Wash. (Grand Trunk Pacific Dock, Room 131.)
Str. Yukon 1238
Str. Admiral Farragut 2262

Pacific Coast & Norway Packing Co., Seattle, Wash. (412 Colman Blk.)
Str. Toledo 211

Pacific Coast S. S. Co., San Francisco. (112 Market St.)
Str. City of Puebla 2623
‡Str. City of Seattle 1411
†Str. City of Topeka 1057
Str. Coos Bay 544
Str. Cottage City 1885
†Str. Curacao 1503
Str. Delhi 986
†Str. Eureka 2122
†Str. Governor 5250
†Str. Meteor 2307
†Str. Montara 2562
†Str. President 5218
†Str. Queen 2727
Str. Ramona 1061
†Str. Santa Rosa 2417
†Str. Senator 2409
†Str. Spokane 2036
†Str. State of California 2266
†Str. Tampico 2133
†Str. Umatilla 3069

Pacific Cold Storage Co., N. P. Wharf, Tacoma, Wash.
Str. Kerr, Robert 718
Str. Thompson, Elihu 896

Pacific Electric Ry. Co., Los Angeles, Cal.
†Tug Collis 205

Pacific Mail S. S. Co., San Francisco (384 Flood Bldg.)
†Str. Acapulco 2572
†Str. Arabs 155

Gross Tons

†Str. Aztec 3508
†Str. Barracouta 2152
†Str. China 5060
†Str. City of Para 3532
†Str. City of Sydney 3016
†Str. Costa Rica 1783
†Str. Izabal 203
†Str. Korea 11276
†Str. Manchuria 13638
†Str. Mongolia 13638
†Str. Newport 2735
Str. Nile 5888
†Str. Pennsylvania 3343
†Str. Persia 4356
†Str. Peru 3528
†Str. San Jose 2080
†Str. San Juan 2076
†Str. Siberia 11284

Pacific Steam Whaling Co., San Francisco, Cal. (310 California St.)
Str. Beluga 508
Str. Thrasher 671

Pacific Tow Boat Co., Seattle, Wash. (King St. dock)
Tug Active 57
Str. Argo 65
Tug Defender 25
Tug George T. 42
Tug Hero 31
Tug Lumberman 34
Tug Ruth 53
Tug Wasp 25
Tug Yellow Jacket 60

Paducah & Illinois Ferry Co., Paducah, Ky.
Str. Bettie Owen 344
Str. Chas. Tumm .....

Panama R. R. Steamship Line, New York. (24 State St.)
†Str. Advance 2604
†Str. Allianca 3905
†Str. Ancon 9606
†Str. Bolivar 234
†Str. Colon 5667
†Str. Cristobal 9606
†Str. Panama 5667

Parker, Capt. W. H., Winter Harbor, Me.
Str. Schoodic 111

Patton, L. E., Memphis, Tenn.
Str. Louisiana 242

Patton-Tulley Tpn. Co., Memphis, Tenn.
Str. Carson, Kit 237
Str. Dolphin No. 3 564
†Str. Patton, Joy 63
Str. Satellite 60

Paxson Co., J. W., Philadelphia, Pa. (1021 N. Delaware Ave.)
St. Bge. Ethel 266
St. Bge. Hartman, Samuel H. 245
†Str. Lizzie D. 122
Str. Riley, Frank M. 178
St. Bge. Success 209

Pend d' Oreille River Nav. Co., Newport, Wash.
Str. Spokane 367

Peninsular & Occidental S. S. Co., Jacksonville, Fla.
Str. Mascotte 884
Str. Miami 1741
†Str. Olivette 1678

Gross Tons

Pennsylvania Coal Co.,
New York. (50 Church St.)
Str. Willard, Daniel 361

Pennsylvania Railroad Co.,
Jersey City, N. J.,
Str. Annex 529
Str. Annex 4..... 501
Str. Annex 5..... 507
Str. Arctic 394
Str. Avalon 20
Str. Baltic 398
Str. Baltimore 1007
Tug Belvidere 106
Tug Berwind, John E..... 75
Str. Beverly 439
Tug Brinton 103
Str. Camden 757
Str. Chicago 1334
Str. Chincoteague 143
Str. Cincinnati 1253
Tug. Columbia 96
Str. Delaware 370
Tug. Delaware 99
St. Ltr. Despatch 121
Tug Harrisburg 225
Tug Harsimus 112
Tug Jamesburg 75
Str. Jersey City..... 982
†Tug Johnstown 225
Tug Juniata 111
†Tug Lancaster 223
Tug Linden 66
Str. Longport 20
Tug Marion 47
Tug. Media 103
Tug. Mercer 150
†Str. Newark 1308
†Str. New Brunswick 1273
Str. New Jersey 1035
Tug. Newport 74
Str. Ocean City..... 33
†Tug Overbrook 179
Tug P. R. R. No. 4..... 121
Tug P. R. R. No. 7..... 223
Tug P. R. R. No. 9..... 223
Tug P. R. R. No. 32..... 201
Tug Penna R. R. Co. No. 33.. 71
Tug. Palmyra 110
†Tug. Penna. R. R. No. 5..... 186
†Tug. Penna. R. R. No. 10..... 186
†Tug. Penna. R. R. No. 14..... 186
†Tug. Penna. R. R. No. 153.... 547
†Str. Pennsylvania 430
Tug. Pennsylvania 91
‡Str. Philadelphia 1306
†Str. Pittsburg 1273
Str. Princeton 888
Tug. Radnor 122
Tug. Relief 16
†Str. St. Louis..... 1273
Tug. Stevens, J. G..... 29
St. Ltr. Transit 138
Tug. Trenton 96
Tug. Varuna 64
†Str. Washington 1247
St. Ltr. Wattson, Thos. B..... 134
Tug. Welch, Willie..... 46
†Str. Wenonah 439
†Tug West Jersey 20
†Tug Wilmington 225
Tug Winnie 73

Pensacola Pilots' Assn.,
Pensacola, Fla. (S. Palafox St.)
†Str. Pilot 229

Peoples Line Steamers,
New York. (Pier 32, N. R.)
Str. Adirondack 3644
Str. Berkshire ....
†Str. Morse, C. W..... 4307

Peoples Navigation Co.,
The Dalles, Ore.
Str. Tahoma 261

Perkins, S. A.,
Tacoma, Wash. (501 No. D St.)
†Str. El Primero 102

Gross Tons

Petaluma and Santa Rosa Ry. Co.,
Petaluma, Cal.
Str. Gold 334
Str. Petaluma 298

Philadelphia, City of, Dept. of Public Safety,
Philadelphia, Pa.
†Str. Ashbridge, Sam'l H. 268
†Str. King, Samuel G..... 63
Gas Margaret ....
Str. Reyburn, John E. 94
†Str. Stokeley, Wm. S. 83
†Str. Stuart, Edwin S..... 150

Philadelphia, City of, Dept. of Wharves, Docks & Ferries,
Philadelphia, Pa.
City Ice Boat No. 1 381
City Ice Boat No. 2 471
Gas. Eunomia 33
Tug Inspector 30
Tug Kensington 78
Tug Southwark 41
†Str. Weaver, John 1769

Philadelphia & Camden Ferry Co.,
Camden, N. J.
†Str. Hammonton 764

Philadelphia & Gulf S. S. Co.,
(S. P. Wetherill Jr., Receiver.)
Philadelphia, Pa.
Str. Evelyn 1963
Str. Mae 2103

Philadelphia & Reading Transp. Line,
Philadelphia, Pa.
†Tug Ashbourne 115
†Tug Bern 224
†Tug. Carlisle 644
Tug. Catawissa 558
†Tug. Cheltenham 113
†Tug. Conestoga 617
†Tug Germantown 619
†Tug. Gettysburg 557
Tug. Gwynedd 115
Tug International 400
†Tug Lenape 637
†Tug Lykens 625
†Tug Monocacy 617
†Tug Ogontz 113
†Tug Pencoyd 119
†Tug Penllyn 137
†Tug Swatara 625
†Tug Tamaqua 564
†TugValley Forge 558
†Tug Wyomissing 222

Pickelheimer, Moses,
Constance, Ky.
Str. Leader 45

Pigeon Hill Granite Co.,
Rockport, Mass. (Granite St.)
Str. Moody, Wm. H..... 259

Pilots Nav. Co.,
Savannah, Ga. (20 Bay St., East.)
†Str. Estill, John H..... 243

Pierce-Fordyce Oil Assn.,
Dallas, Texas.
Str. Higgins 119

Piper-Aden Goodall Co.,
San Francisco, Cal. (149 California St.)
Str. Corcoran, H. J..... ...

Pittsburg, Allegheny & McKees Rocks R. R. Co.,
McKees Rocks, Pa.
Str. Steel Queen 177

Gross Tons

Pittsburg & Cincinnati Packet Line,
Pittsburg, Pa. (foot Wood St.)
Str. Keystone State 599
Str. Queen City 624
Str. Virginia 628

Pittsburg Plate Glass Co.,
Pittsburg, Pa. (Frick Bldg.)
Str. Cavett, Clara 166
Str. Fowler, Frank 33
Str. Harry No. 2..... 48

Planters' Packet Co.,
Memphis, Tenn. (P. O. Box 313)
Str. City of St. Joseph..... 182

P. L. Transportation Co.,
San Francisco, Cal. (216 Pine St.)
Str. Despatch 698
Str. Murphy, William H..... 923
Str. Prentiss 406

Pollard S. S. Co.,
San Francisco. (22 California St.)
Str. Centralia 487
Str. Coronado 578
Str. Rainier 800
Str. Tallac 1380

Port Blakely Mill Co.,
Port Blakley, Wash.
Str. Favorite 269
Str. Monticello 196

Port Chester Trans. Co.,
Port Chester, N. Y.
Str. Glenville 268
Str. Port Chester 373

Porter, W. R.,
Helena, Ark.
Str. Birmingham 187

Port Johnson Towing Co.,
New York. (1 Broadway.)
Str. P. J. T. Co. No. 7..... 197

Portland Railway, Light & Power Co.,
Portland, Ore. (Electric Bldg.)
Str. City of Vancouver 211

Port of Portland,
Portland, Ore.
†Tug Oneonta 214
†Tug Wallula 167

Port Townsend-Irondale Route,
Port Townsend, Wash.
Str. Dauntless 125

Potomac & Chesapeake Stbt. Co.,
Washington, D. C. (foot of 8th St.)
†Str. Capital City 496
†Str. Trenton 85
†Str. Wakefield 571

Propeller Towboat Co.,
Savannah, Ga.
†Str. McCauley, Wm. F..... 149
Str. Paulsen, Jacob 97

Providence, Fall River & Newport Stbt. Co.,
Providence, R. I. (136 Dyer St.)
Str. Baltimore 166
Str. City of Newport..... 561
Str. Mount Hope 880
Str. Squantum 248
Str. Warwick 681
Str. What Cheer 214

Providence Tow Boat Co.,
Providence, R. I. (Foot of Crary St.)

	Gross Tons
Tug Gaspee	113
Tug Ramsay, Carrie A.	84
Tug. Reliance	75
Tug. Sutton, Nat	66
Tug. Sutton, Walter E.	41
Tug. Williams, Roger	149

Puget Sound Towage Co.,
Port Gamble, Wash.

Gas Tug Hyack	
Gas Tug Kumtux	
Gas Tug Wolverine	

Puget Sound Tug Boat Co.,
Seattle, Wash. (Pioneer Bldg.)
See Admiralty Tug Boat Co.

†Str. Goliah	414
Tug Holyoke, Richard	181
†Str. Pioneer	160
Str. Tatoosh	277
Str. Tyee	316
Str. Wanderer	212

Quill, Capt. John,
Mobile, Ala.

Str. Quill, John	270

Rainey, Roy A.,
New York City (527 Fifth Ave.)

Sty. Cassandra	1227

Raymond, H. H.,
New York. (Pier 36 N. River.)

Str. Brunswick	2265

Reading Co.,
Philadelphia. (12th and Market Sts.)

Str. Bern	224
Str. Carlisle	644
Str. Catawissa	558
Str. Conestoga	617
Str. Gettysburg	557
Str. International	400
Str. Lenape	637
Str. Lykens	628
Str. Monocacy	617
Str. Penllyn	137
Str. Swatara	625
Str. Tamaqua	564
Str. Valley Forge	558
Str. Wyomissing	222

Red "D" Line of Steamships,
(See Bliss, Dallet & Co.)
New York. (82 Wall St.)

Str. Caracas	2886
Str. Maracaibo	1771
Str. Merida	517
Str. Philadelphia	2520
†Str. Zulia	1713

Red Salmon Canning Co.,
San Francisco, Cal.
(73 Main St.)

Str. Lehua	176

Red Star Line,
New York. (9 Broadway.)

†Str. Finland	12760
†Str. Kroonland	12760
†Str. Lapland	18694
†Str. Vaderland	12017
†Str. Zeeland	11904
New Str. (building)	25000

Redwood Steamship Co.,
San Francisco, Cal. (947 Monadnock Bldg.)

Str. Katherine	535

Revel, W. G.,
Charleston, S. C. (143 Broad St.)

†Str. Waban	163

Riddle, C. A.,
Seattle, Wash. (654-6 Colman Bldg.)

Str. Robinson, A. R.	36

Rideout, E. V.,
San Francisco, Cal. (Pier 7, Pacific St. wharf)

Str. Alviso	196
Str. Dauntless	612
Str. Juliette	394
Str. Trilby	80

Riggs, B. J.,
Newport, Ky.

Str. Riggs, Marlen	69

Risley & Sons, N.,
Ventnor, N. J. (cor. Somerset & Atlantic Ave.)

Dge. Black Diamond	160

River & Harbor Transp. Co.,
Care Long Island R. R.,
Long Island City, N. Y.

Str. Syosset	176
Str. Wrestler	198

River Sand & Gravel Co.,
New Orleans, La. (814 Howard Ave.)

Str. Resolute	207

Roberts, J. H.,
San Francisco, Cal. (5 Uranus St.)

Str. Dover	244
Str. Jacinto	235
Str. Red Bluff	246
Str. San Joaquin No. 2	242
Str. San Joaquin No. 3	220
Str. San Joaquin No. 4	365

Rockaway White Sand Co.,
New York, N. Y. (160 5th Ave.)

Dge. Globe	137
Dge. Sand Bar	211

Rock Island Steamboat Co.,
Rock Island, Ill. (121 4th Ave.)

Str. Weyerhaeuser, F.	216

Rockland & Rockport Lime Co.,
Rockland, Me.

†Str. Richards, Fred E.	357

Rodgers Sand Co.,
Pittsburg, Pa. Wood and Water Sts.)

Str. Alice	
Str. Charlotte	163
Str. Flora	
Str. Harriet	159
Str. Margaret	128
Str. Rebecca	159

Roe, W. E.,
Williamstown, W. Va.

Str. Kanawha	429

Roper Lumber Co., J. L.,
Norfolk, Va.

Tug. Edith	15
Tug Farmer, Mollie L.	21
Tug Nettie	85
Tug Parkin, Edmond	34
Tug. Spray	17
Tug Winthrop	39

Rose, Andrew W.,
New York City (22 East 57th St.)

†Str. Emrose	198

Rowe, Chas. E.,
Portland, Me.

Str. Reliance	251

Rowe & Co., H. C.,
New Haven, Conn.

Gas. Avalynne	14
Gas Rival	18
Str. Rowe	476
(nee Fannie C. Hart)	
Str. Rowe, Gordon	108
Str. Rowe, Ruel	211
Str. Rowe & Co., H. C.	500
Gas Wayward	14

Royal Route Packet Co.,
Natchez, Miss.

Str. Senator Cordill	280

Ryman Line,
Nashville, Tenn. (108 First Ave. N.)

Str. Dudley, Bob	196
Str. Dunbar, R.	252
Str. Harley, Henry	162
Str. Lamb, Chancy	194
Str. Rhier, Robert	

St. Clair Ferry & Transfer Co.,
St. Louis, Mo. (615 Chestnut St.)

Str. Perryville	77

St. Louis, Iron Mountain & Southern Ry. Co.,
St. Louis, Mo. (7th and Market Sts.)

Str. Hill, Dr. Frederick	160
Tug Hyde, Elizabeth	39
†Str. Lockwood, James Y.	390
Str. Marquand, Henry	395
Str. Merriam, Charles	515

St. Louis Steel Barge Co.,
St. Louis, Mo. (220 N. 4th St.)

†Str. McDougall	562

St. Louis & Tenn. River Packet Co.,
St. Louis, Mo. (ft. Pine St.)

Str. Alabama	289
Str, City of Florence	98
Str. Clyde	388
Str. Kentucky	191
Str. St. Louis	374
Str. Shiloh	140

St. Simons Transit Co.,
Brunswick, Ga. (Bay and Mansfield Sts.)

Str. Sea Gate	125
Str. Attaquin	112

St. Petersburg Transp. Co.,
Tampa, Fla.

Str. Favorite	399
Gas Gypsy	68
†Str. Manatee	104
†Str. Pokanoket	319
†Str. Plant, H. B.	189

St. Tammany S. S. Co.,
New Orleans, La.

†Str. Dolive, Louis	314

Salem Freight Co.,
Salem, N. J.

†Str. Queen Anne	651

Sagadahoc Towing Co.,
Topsham, Me.

Str. Pejepscot	142

San Diego & Coronado Ferry Co.,
San Diego, Cal. (Union Bldg., 3d and D Sts.)

Str. Coronado	308
Str. Ramona	575

Gross Tons

San Francisco-Oakland Terminal Railways,
Oakland, Cal. (Syndicate Bldg., 1440 Broadway)
Str. Claremont 1138
Str. Fernwood 1160
Str. San Francisco 1070
Str. San Jose 1115
Str. Yerba Buena 1115

San Francisco & Portland S. S. Co.,
San Francisco, Cal. (Flood Bldg.)
Str. Bear 4507
Str. Beaver 4507
†Str. Rose City 3468

San Juan Fishing & Packing Co.,
Seattle, Wash. (Stacey and E. Waterway Sts.)
Gas. Comet 100
Gas San Jose 50
Str. San Juan 284
Str. Starr 371

Saunders' Ferry,
Saunderstown, R. I.
Str. Newport 473

Savannah Towing Co.,
Savannah, Ga.,
†Str. Paulsen, Jacob 97

Sawyer, E. M.,
Jonesport, Me.
Gas. Clark, Wm. W..... 9

Schrader, Paul,
Astoria, Ore.
Str. Elmore, Sue H..... 232

Schwartz Foundry Co.,
New Orleans, La.
Str. Chamberlain, Chas. 189

Scully's Towing & Transportation Line
New York (No. 1 Broadway)
Str. Coastwise 286
Tug Hokendaqua 137
Str. Salutation 184
Str. Sanford, Chas. B..... 151
†Str. Scully, John 413
†Str. Scully, Mary F..... 723

Seaboard Transp. Co.,
New York (30 Church St.)
†Str. Chisholm, Wm. 1581
Tug. Covington 401
†Tug. Richmond 401

Sea Island Steamboat Co.,
Beaufort, S. C.
Str. Islander 273
Str. Lotta 141

Sealshipt Oyster System,
Boston, Mass.
Str. City Point 141
Str. Old Colony 207
Gas Owl 13
Str. Smith, Daisy E. 69
Str. Smith, Jeremiah 172

Sharpsburg Sand Co.,
Pittsburg, Pa. (Bessemer Bldg.)
Str. Garlick, T. J..... 179
Str. Graham, W. R..... 137

Shaver Transportation Co.,
Portland, Ore. (Foot Davis St.)
Str. Cascades 451
Str. Dixon, Sarah 368
Tug Echo 15
Str. Henderson 534
Str. No Wonder 269
Str. Shaver 368
Str. Wauna 149

Gross Tons

Shaw, L. B.,
Philadelphia, Pa. (127 Walnut St.)
Tug Chandler, John G..... 110

Shaw Lumber Co., M. G.,
Bath, Me.
Tug. Farnsworth 34

Ship Owners' & Merchants' Tug Boat Co.,
San Francisco, Cal. (foot of Green St.)
Tug Alert 75
†Tug Dauntless 269
†Tug Defiance 255
Tug Eleu 71
†Tug Fearless 167
†Tug. Hercules 414
Tug Liberty 60
Tug Reliance 94
Tug Restless 64
Tug. Sea Fox 69
Tug. Sea King 181
Tug. Sea Lark 69
Tug Sea Prince 58
Tug Sea Queen 111
†Tug. Sea Rover 199
Tug. Sea Witch 74

Shobe, R. O.,
Chamois, Mo.
Str. Wells, J. R. 96

Signal Steamship Co.,
San Francisco, Cal. (110 Market St.)
Str. Aberdeen 499

Simpson, A. M.,
San Francisco, Cal. (2200 Pacific Ave.)
Str. Astoria 152
Str. Columbia 132

Simpson, D. W.,
Boston. (131 State St.)
Tug Active ....

Simpson Lumber Co.,
San Francisco (112 Market St.)
Str. Simpson, A. M. 774

Sivley Excursion Co.,
Peoria, Ill.
Str. City of Peoria..... 128

Skagit River Trading & Navigation Co.,
Seattle, Wash.
Str. Gleaner 477
Str. Skagit Queen 327

Slade Shipping Co.,
San Francisco, Cal. (112 Market St.)
Str. Fair Oaks 798
Str. Newburg 450

Smith Lumber Co., C. A.,
San Francisco, Cal. (1 Drumm St.)
Str. Redondo 679
Str. Smith, Adeline 2168
Str. Smith, Nann 2007

Smith & McNair,
Columbia, Ala.
Str. Pearce, Chas. B..... 223

Snohomish & S. R. N. Co.,
Port Townsend, Wash.
Str. Reed, T. C..... 237

South Atlantic Towing Co.,
Brunswick, Ga.
†Str. Coney, Edgar F..... 153

Gross Tons

Southern Pacific Co.,
(Atlantic S. S. Lines),
New York (Pier 49 N. R.)
Str. Antilles 6878
Str. Chalmette 3205
†Str. Comus 4828
Tug Confidence 53
Str. Creole 6754
†Str. El Alba 4614
†Tug El Amigo 150
†Str. El Cid 4608
†Str. El Dia 4613
†Str. El Mar 3531
†Str. El Monte 3531
Str. El Mundo 6008
†Str. El Norte 4604
Str. El Occident 6008
Str. El Oriente 6008
†Str. El Paso 3531
†Str. El Rio 4604
†Str. El Siglo 4616
Str. El Sol 6008
†Str. El Sud 4572
†Str. El Valle 4605
Str. Excelsior 3542
†Str. Momus 6878
†Str. Proteus 4836

Southern Pacific Co.,
San Francisco, Cal. (3d and Townsend Sts.)
Comprising
Central Pacific R. R. Co.
South Pacific Coast Ry. Co.
Southern Pacific R. R. Co.
†Tug Ajax 175
Str. Apache 938
Str. Bay City 1283
†Str. Berkeley 1945
†Str. Breakwater 1065
Str. Car Float No. 2.....1374
Str. Cherokee 741
Str. El Captain..... 982
Str. Encinal 2014
Str. Fruto 429
Str. Garden City 1080
Tug Marsh, W. E..... 31
Str. Melrose 2662
Str. Modoc 929
Str. Navajo 968
Str. Newark 2197
Str. Oakland 1672
Str. Piedmont 1854
Str. Rival 26
Str. Seminole 1102
Str. Solano 3549
Str. Thoroughfare 2604
Str. Transit 1566

Southern Sand & Material Co.,
Little Rock, Ark. (foot of Ashley St.)
Str. Roberts, Cora L. 157

Southern S. S. Co.,
Philadelphia, Pa. (608 Bourse Bldg.)
Str. Algiers 2294
†Str. Wm. P. Palmer.....2293
Str. Shawmut 1624

Spaulding, C. K.,
Newberg, Ore.
Str. City of Eugene..... 347
Str. Grey Eagle 154

Spencer, E. W.,
Portland, Ore.
Str. Spencer, Charles R..... 598

Spreckles & Bros. Co., J. D.,
San Francisco, Cal. (90 Clay St.)
Str. Dauntless 269
Str. Defiance 255

Gross Tons

Spreckles Securities Co., J. D. and A. B., San Francisco, Cal. (60 California St.)
Str. Potrero 531

Standard Dredging Co., Wilmington, Del.
Str. Chief 226

Standard Oil Co. (of New York), New York. (26 Broadway.)
†Tug Astral 616
†Str. City of Everett 2595
†Str. Eocene 2217
†Str. Perfection 2209
†Str. Rayo 3663
†Tug Security 397
†Tug Standard 374
†Tug S. O. Co. No. 2..... 157

Standard Oil Co. (of California), San Francisco. (Shelton Bldg.)
‡Str. Atlas 1942
†Str. Asuncion 2196
†Gas. Benicia 347
†Gas Contra Costa 832
Gas. Despatch 14
†Str. Drake, Col. E. L.....4205
†Str. El Segundo 3663
†Str. Loomis, George 691
†Str. Lucas, Capt. A. F. 4188
†Str. Maverick 1561
†Gas. Petroleum 67
†Gas Petroleum 2 229
†Str. Petroleum 3 (building) ...
†Str. Richmond (building) .....
Str. San Jose 192

Standard Oyster Co., So. Norwalk, Conn.
Str. Standard 299

Staples Transportation Co., Fall River, Mass. (404 Davol St.)
Tug. Brown, S. T..... 58
Tug. Cohannet 69
†Tug Concord 353
†Tug Cuba 594
Tug. Eureka 353
Str. Narragansett 192
Tug. Nemasket 220
Tug. Quequechan 70
Str. Staples, Cora L..... 92
†Tug Waltham 353
†Str. Watuppa 190

Star Steamship Co., Seattle, Wash. (472 Colman Bldg.)
Str. Fidalgo 295
Str. Dredger No. 1..... 282
Str. Rapid Transit ....

Staten Island Railway Co., New York, N. Y. (17 State St.)
Str. Perth Amboy 618
Str. Tottenville 831

State St. Trust Co., Boston, Mass.
Str. Somerset 3648
Str. Suwannee 3648

Steamship Alaskan Co., Seattle, Wash.
Str. Alaskan 116

Stimson Mill Co., Seattle, Wash. (2116 Vernon Pl., Ballard Sta.)
Gas. La Paloma 14

Streckfus Steamboat Line Co., Rock Island, Ill. (See Diamond Jo Line Steamers.)

Gross Tons

Sudden & Christensen, San Francisco. (110 Market St.)
Str. Brooklyn 333
Str. Carmel 633
Str. Chehalis 663
Str. Grays Harbor 659
†Str. Hooper, John A. 2244
Str. Norwood 760
Str. Raymond 595
Str. Willapa 752

Sun Co., Philadelphia, Pa. (Morris Bldg.)
†Str. Paraguay 2627
†Str. Sun 4836
†Str. Toledo 2277

Susquehanna Coal Co., New York. (1 Broadway.)
†Tug Paoli 330
†Tug Tacony 353

Swain, D. M., Stillwater, Minn.
Str. Swain, David 146

Swayne & Hoyt, San Francisco. (412 Battery St.)
Str. Casco 533
Str. Pomo 368

Swift, E. A., Seattle, Wash. (Colman Dock.)
Str. Neptune 235
Dge. No. 1..... 282

Tacoma & Roche Harbor Lime Co., Roche Harbor, Wash.
‡Gas Bktn Archer..... 900
Gas. Calcite 13
Str. Calcium 51
Str. Roche Harbor 87

Tacoma-Seattle-Everett Route, (See International S. S. Co.)

Tacoma Tug Boat Co., Tacoma, Wash.
Tug Bear 31
Tug Echo 56
Tug Elf 44
Tug Olympian 47

Tacoma Tug & Barge Co., Tacoma, Wash. (Pacific Cold Storage Bldg.)
Tug Fairfield 53
Tug Falcon 43
Tug Favorite 34
Tug Fawn 15
Tug Fearless 86

Tacoma-Vancouver S. S. Co., Seattle, Wash. (632-645 Central Bldg.)
Str. Morning Star 547

Taft Fish Co., Tappahannock, Va.
Str. Hubbard, B. H. B. Jr. ... 276
Str. James, W. T. 276

Taylor Boat & Barge Line Co., Enos, Stryker, Ohio.
Str. Jutte, W. C. 113

Teche Transp. & Fuel Oil Co., Houston, Texas.
Str. Gilbert, J. N. 42

Templeman, Henry, San Francisco, Cal. (42 Market St.)
Str. Brooklyn 333
Str. Phoenix 256
Str. Sea Foam 339

Gross Tons

Tennessee River Nav. Co., Chattanooga, Tenn.
Str. Chattanooga 350
Str. John Ross 125
Str. Trigg, James M. 250
Str. Wheeler, Joe 250

Texas Co., The, Houston, Texas.
†Str. Florida 1596
†Str. Louisiana 2849
Str. Ltr. Nina C. 173
†Str. Northtown 2208
†Str. Northwestern 2207
†Str. Texas 5106

Texas & Pacific Ry. Co., Dallas, Tex.
†Str. Gouldsboro 469
†Str. Thorne, L. S.....1217

Thames Ferry Co., New London, Conn. (286 Bank St.)
Str. Colonel Ledyard 203
Str. Gov. Winthrop 485

Thames Tow Boat Co., The, New London, Conn. (224 Bank St.)
Tug Aquidneck 58
Tug Argo 105
†Tug Aries 114
Tug Briggs, Dr. S. N..... 22
Tug Gertrude 122
Tug Hale, Nathan 299
Tug, Harold 186
Tug Jones, Paul 945
Tug Minnie 167
Tug Standish, Miles 55
Tug Waterman, R. M..... 174

Tibbitts, W. G., San Francisco, Cal. (24 California St.)
Str. Bowdoin 756
Str. Wellesley 709

Tice Towing Line, New York. (17 Battery Pl.)
Tug Automatic 85
Tug. Crossman, Archey 51
Tug Energetic 76
Tug Hague, John J..... 46
Tug. Rugee, John 99
Tug Rugge, Louise 68
Tug. Tice, George S..... 74
Tug. Ticeline 99

Tietjen, B. H., San Francisco. (Mission Wharf No. 2.)
Tug. Pilot 88

Timmins, Edward M., New York. (127 Produce Ex.)
St. Ltr. America .....
Str. Croton .....
Str. Grove, F. H. .....
Tug Mutual .....
Tug Timmins, Edward M. .....
Tug Timmins, John J. .....
Tug Timmins, Thomas F. .....
Str. Roche, David T. .....
St. Ltr. Walsh, James A. .....

Tinsley, J. O., Caruthersville, Mo.
Str. Wenona 89

Todd, W. R., Tacoma, Wash.
Str. Todd, W. R. 172

Gross Tons

Tolchester Beach Improvement Co.,
Baltimore, Md. (Pier 16, Light St.)
Str. Annapolis 485
Str. Giles, Emma 549
Str. Knight, Kitty 236
†Str. Louise 1023
†Str. Susquehanna 462

Tooker, George A.,
New York. (16 Beaver St., care Miller & Houghton.)
Str. Hyde, Frances 739

Trenton Transp. Co.,
Trenton, N. J. (Merchant St.)
†Str. Brune, F. W. 296
†Str. Garrett, John W. 283
Str. Raritan 166
†Str. Stevens, Martha 283

Trower Bros.,
San Francisco, Cal. (110 Market St.)
Str. Aurelia 424

Tucker, Bernard.
Philadelphia, Pa.
(113 Walnut St.)
Tug Bernard 75

Tuel, C.,
Fly, O.
Str. Daniel 66

Tyee Co.,
San Francisco, Cal. (310 Sansome St.)
Str. Tyee, Jr. 151

Union Ferry Co.,
New Orleans, La.
Str. Alice 149
†Str. Baldwin, A. 199
Str. Halliday, A. M. 207
Str. Hettie 119
†Str. Pickles, Thomas 237

Union Oil Co., of California,
San Francisco, Cal. (Mills Bldg.)
Comprising,
Union S. S. Co.,
United S. S. Co.,
Mission Trans. & Refining Co.,
Union Trans. Co.,
Pectan S. S. Co., Ltd.
†Str. Argyll 2953
†Str. Lansing 4560
Str. Oleum 2525
Str. Pectan 7291
†Str. Roma 2939
†Str. Santa Maria 5318
Sch. Santa Paula 650
†Str. Santa Rita 5318
Tug Transit 30
†Str. Washtenaw 3895
†Str. Whittier 1295

Union Steamship Co.,
(See Union Oil Co., of Cal.)

Union Sand & Material Co.,
St. Louis, Mo. (Liggett Bldg.)
Str. Margaret 100

United Coal Co.,
Pittsburg, Pa. (345 4th Ave.)
Str. White, Helen 174

United N. Y. and Sandy Hook Pilots' Assn.,
New York City. (17 State St.)
Str. New Jersey 478
†Str. New York 549

Gross Tons

U. S. & Porto Rico Nav. Co.,
New York. (12 Broadway.)
Str. Arkadia 2206
Str. Carolina 5018
†Str. Coamo 4384
†Str. Pathfinder 2793
†Str. Ponce 3503
†Str. Ramos 843
†Str. San Juan 3503
†Str. Santurce 1836
†Str. Vasco 299

U. S. Whaling Co.,
Ketchikan, Alaska.
Str. Star No. 1 196
Str. Star No. 2 143
Str. Star No. 3 143

United Steamship Co.,
New York. (17 Battery Pl.)
Str. Santa Maria 5318
Str. Santa Rita 5273

Vance Redwood Lumber Co.,
Eureka, Cal.
Str. Antelope 160

Vancouver Trans. Co.,
Portland, Ore. (263½ Yamhill St.)
Str. Lurline 481
Str. Undine 327

Vashon Nav. Co.,
Tacoma, Wash.
Str. Vashon 132

Vashon Steamboat Co.,
Vashon, Wash.
Str. Vashonian 234

Vesta Coal Co.,
Pittsburg, Pa. (3rd. Ave., and Ross St.)
†Str. Jones, B. F. Jr. 91
†Str. Laughlin, Henry A. 151
Str. Sailor 140
Str. Titan 195
†Str. Vesta 142
Str. Vulcan 193

Vicksburg & Greenville Packet Co.,
Vicksburg, Miss.
Str. Belle of the Bends 405

Vinyard, Nilson M.,
Milford, Del.
Ga. S. Ritchie, J. C. 173

Virginia Nav. Co.,
Richmond, Va.
†Str. Pocahontas 814

Waccamaw Line Steamers,
Conway, S. C.
Str. Burroughs, F. G. 282
Str. Mitchelle, C. 97
†Str. Ruth 89

Wall Bros.,
San Francisco, Cal.
Str. Signal 475

Wallace, F. T. D.,
Louisa, Ky. (corner Main & Jefferson Sts.)
Str. Chesapeake 158
Str. Ironton 129

Ward, S. M.,
Georgetown, S. C. (614 Prince St.)
Str. Dixie 37

Washington Mill Co.,
Hadlock, Wash.
Str. Tobey, N. D. 12

Gross Tons

Waterloo & Carondelet Turnpike & Ferry Co.,
St. Louis, Mo. (7302 South Broadway)
Str. Hill, Dr. Frederick 160

Waters, Colver Co.,
New York. (45 Broadway.)
Str. Canarsie 228
Launch Dorothy W. 5
Coal boat Freelance 25
Str. Rudolph 75

Waterside Transpn. Co.,
New York City (240 Front St.)
Str. Ltr. Combes, Anna E. 138

Webster, E. W.,
Beverly, O.
Str. Sonoma 139

Weiding & Independent Fisheries Co.,
Seattle, Wash.
Str. Independent 263
Str. Weiding 211

Western Maryland R. R. Co.,
Baltimore, Md. (Continental Bldg.)
Str. Sweepstakes 227

Western Pacific Ry. Co.,
San Francisco, Cal. (Mills Bldg.)
Str. Telephone 632

Western S. S. Co.,
San Francisco, Cal. (412-14 Battery)
Str. Westerner 601

Western Trans. & Towing Co.,
Portland, Ore. (711-16 Yeon Bldg.)
Str. Burton, Georgie 382
Str. Comings, Annie 464
Str. Ione 389

West Kentucky Coal Co.,
Paducah, Ky.
Str. Anderson, Mary A. 71
Str. Beardsley, A. J. 96
Str. Egan 92
Str. Gleaner 714
Str. Harth 57
Str. Reaper 96

Weston, A. J.,
Olympia, Wash.
Str. Olympian 47

West Shore R. R. Co.,
New York City (6 Beaver St.)
†Ferry B. Albany 1059
†Ferry B. Buffalo 1021
†Ferry B. Kingston 1064
†Ferry B. Newburgh 1033
†Ferry B. Niagara 1250
†Ferry B. Oswego 1055
†Ferry B. Rochester 1338
†Ferry B. Syracuse 1344
†Ferry B. Utica 1351
†Ferry B. West Point 1328

Westwego & Walnut St. Ferry Co.,
New Orleans, La.
Str. Bisso, Joseph 110

Whitcomb, Haynes & Co.,
Ellsworth Falls, Me.
Tug Little Round Top. 46

White, L. E., Lumber Co.,
San Francisco. (912 Balboa Bldg.)
Str. Alcatraz 255
Str. Drew, Helen P. 286
Str. Whitesboro 195

Gross Tons

White Oak Transp. Co.,
Boston, Mass. (70 Kilby St.)
†Str. Bay Port 1399
†Str. Bay State 1245
†Str. Bay View 1399

Whitelaw Wrecking Co.,
San Francisco, Cal. (336-38 Main St.)
Str. Greenwood 195

Whiteman, Henry C.,
McCall, La.
Str. Washington 100

Wiggins Ferry Co.,
St. Louis, Mo. (113 Union Sta.)
†Str. Christy, Andrew 830
Str. Church, Alonzo C. 332
†Tug Haarstick, Henry C. 226
†Str. McChesney, W. S. Jr. ... 830
Str. Madill, George A. 613
Str. Sackman, Henry 610
†Str. Walsh, Julius S. 830
Str. Wiggins, Saml. P. 364

Wiley, C. W.,
Seattle, Wash.
Str. Neff, Lucy 946

Wilkey, W. C.
Chattanooga, Tenn.
Str. Chattanooga 390

Willamette & Columbia River Towing Co.,
Portland, Ore. (181 E. Water St.)
Str. Jones, F. B. 324

Gross Tons

Str. Maria 202
Str. Vulcan 327

Williamette Nav. Co.,
Oregon City, Ore.
Str. Lang. N. R. 528
Str. Ruth 416

Willamette Pulp & Paper Co.,
Oregon City, Ore.
Launch Klick 9

Willson Bros. & Co.,
San Francisco. (324 Berry St.)
Str. Columbia 1924
Str. Lindauer 453
Str. Svea 618

Wilmington Stbt. Co.,
Wilmington, Del. (Fourth St. Wharf.)
Str. Brandywine 407
Str. City of Chester 611
Str. City of Philadelphia 749
Str. City of Wilmington 749

Wilmington Trans. Co.,
Los Angeles, Cal. (Pacific Electric Bldg.)
Str. Cabrillo 611
Str. Falcon 117
Str. Hermosa 483
Str. Warrior 122

Wilson, Henry,
San Francisco, Cal.
(324 Berry St.)
Str. Svea 618

Gross Tons

Winans, W.,
Waukesha, Wis.
Str. Mars 132

Wolvin Line,
Mexican-American S. S. Service
Texas City, Texas.
(Chartered Vessels)
Str. Antares 1840
Str. City of Mexico 1511
Str. City of Tampico 1511
Str. Haakon VII 2175
Str. Hero 1714
Str. Mobila 2156

Wood Lumber Co., E. K.,
San Francisco. (112 Market St.)
Str. Olympic 688
Str. San Jacinto 614
Str. Shasta 878
Str. Siskiyou 884
Str. Tamalpais 574

Woolsey, D. C.,
Haverstraw, N. Y. (10 Front St.)
Str. Chrystenah 571

Wright, E. C.,
San Francisco, Cal. (1608 Fulton St.)
Str. Herald 293

Wyckoff, J. C.,
Memphis, Tenn.
†Str. Organ, Charles H. 166

Young, Mrs. Edward A.,
Clinton, Ia.
Str. Valeria 130

GASOLINE OIL CARGO BOAT OPERATING ON THE COAST OF CHILE

American Steam and Power Vessels of the Great Lakes

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CORRECTED TO JUNE, 1913

‡ indicates vessel is built of iron or steel.
Str. is the general indication for steam vessels not otherwise specified.
Sty. indicates steam yacht.
Stp. indicates steam passenger.
F. B. indicates fire boat.
Spd. indicates steam pile driver.

Gscy. indicates gasoline schooner yacht.
Scb. indicates steam canal boat.
C. F. indicates car ferry.
Gas. indicates gasoline.
Gyt. indicates gasoline yacht.
Gsp. indicates gasoline passenger.
Dge. indicates dredge.
Lch. indicates launch.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
	A					
Tug	Abbott, H. B.	56	28	65x16x 9	1889	Great Lakes Towing Co., Cleveland, O.
Tug	Adams, A. C.	41	20	62x16x 9	1881	Great Lakes Towing Co., Cleveland, O.
Str	‡Adams, Thomas	3784	3187	360x50x28	1902	John Craig, Mgr., Adams Transp. Co., Toledo, O.
Str	‡Adiramled	565	375	190x27x11	1866	A. W. Blain, M. O., Menominee, Mich.
Str	‡Admiral	4651	3547	423x51x28	1899	American S. S. Co., M. B. McMillan, Mgr., Detroit, Mich.
Str	‡Adriatic	4945	3605	420x52x28	1907	Interlake Steamship Co., Cleveland, O.
Gas	Advertise	42	26	63x14x 8	1892	Philip Perew, Tonawanda, N. Y.
Gap	Affinity	6	5	32x 8x 3	1909	W. J. Schriver, Saugatuck, Mich.
Str	‡Agassiz (nee Wm. A. Hawgood)	6530	4910	532x56x31	1907	Calumet Transp. Co., M. A. Hanna & Co., Mgrs., Cleveland, O.
Gas	Agnes	7	6	26x 8x 3	1906	Nels Rovick, Frankfort, Mich.
Str	‡Agnew, Wm. C.	6533	4985	532x58x31	1911	Buffalo S. S. Co., John Mitchell, Mgr., Cleveland, O.
Gyt	Aida	35	28	79x11x 6	1906	Grant T. Stephenson, Wells, Mich.
Str	Aida	37	18	89x12x 6	1882	Lewis Devian, Alexandria Bay, N. Y.
Stp	‡Alabama	2626	1684	250x45x26	1910	Goodrich Transit Co., Chicago, Ill.
Str	‡Alaska	986	592	212x32x14	1871	James O'Connor, Tonawanda, N. Y.
Str	Albany	18	9	40x12x 7	1890	Wm. Gleasner, Buffalo, N. Y.
Stp	Albatross	87	55	96x29x 4	1880	D. A. Cady, Ormo, Wis.
Gyt	Albertha	23	19	57x10x 4	1909	A. A. Ainsworth, Chicago, Ill.
Str	‡Albright, John J.	4805	3298	416x50x28	1901	John Mitchell, Cleveland, O.
Sty	Alcina	34	27	68x12x 6	1896	O. P. Letchworth, Buffalo, N. Y.
Sty	Alcyone	6	6	29x10x 4	1898	F. W. Basche, Green Bay, Wis.
Gyt	Alcyone	15	14	38x 9x 5	1906	George V. Dittman, Cincinnati, O.
Tug	Alert	23	11	49x13x 6		Great Lakes Dredge & Dock Co., Chicago.
Sty	Alert	99	74	113x16x 9	1899	George W. Wood, Indianapolis, Ind.
Tug	‡Alert	42	29	71x17x 6	1896	Booth Fisheries Co., Chicago, Ill.
Str	Alfred W.	56	19	66x17x11	1905	Duluth-Superior Dredging Co., Duluth, Minn.
Gas	Algie L.	7	6	29x 8x 4	1911	George Ladurow, Pensaukee, Wis.
Stp	Algomah	486	359	127x33x11	1881	Island Transportation Co., Mackinaw City, Mich.
Str	Algona	92	63	95x18x 5	1880	Willis W. Cline, Massena, N. Y.
Str	Aliber, John A.	32	18	73x14x 6	1897	Wm. P. Wilson, Saugatuck, Mich.
Gas	Alice	9	8	28x 9x 5	1908	George Hill, Charlevoix, Mich.
Str	Alice	24	16	43x12x 6	1910	John Benson, Racine, Wis.
Gas	Alice L.	9	8	27x 8x 4	1911	W. L. Davenport, Crescent, Mich.
Gas	Alice Louise	8	8	30x 8x 5	1907	Albert L. Gray, Green Bay, Wis.
Gas	Alice M.	10	9	34x10x 4	1909	L. A. Sweet, Eponfette, Mich.
Scy	Alice	40	36	66x16x 9	1898	E. P. Warner, Chicago, Ill.
Str	Alice	40	19	63x14x 6	1891	P. H. Keenan, Sheboygan, Wis.
Sch	Alice	307	291	137x30x11	1881	Ole Hansen, Milwaukee, Wis.
Str	Alice C.	81	27	63x18x 8	1901	John Coffey, Manistique, Mich.
Str	‡Allegheny	3898	2967	350x46x31	1910	Erie & Western Transp. Co., Buffalo, N. Y.
Str	Allendale	50	32	66x16x 4	1899	Bennett-Schnorback Co., Muskegon, Mich. (Abandoned.)

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Str	Allentown	24	12	57x11x 6	1878	John Neraux, Odanah, Wis.
Gas	Allie B.	11	8	44x11x 5	1903	Robert Beutell, West Bay City, Mich.
Gyt	Allis	20	13	42x10x 6	1909	Wm. H. Nugent, Chicago, Ill.
Gas	Alma P.	12	10	39x12x..	1909	Charles E. Perry, Port Clinton, O.
Sty	Aloha	18	12	47x 8x 3	1893	Alton Ripley, Oshkosh, Wis.
Str	‡Alpena	2886	1787	356x47x..	1909	Wyandotte Transp. Co., Detroit, Mich.
Tug	Alphard	32	21	55x15x 7	1898	Two Rivers Dredge & Dock Co., Two Rivers, Wis.
Gas	Althea	25	22	51x12x 5	1907	C. Hayward Murphy, Detroit, Mich.
Gay	Althoea	8	8	28x 9x 4	1911	Jacob Aregi, Green Bay, Wis.
Gas	Alton	7	6	43x 9x 3	1905	James S. Hanson, Sandusky, O.
Str	‡Alva—Name changed to Minnetonka.					
Tug	Alva B.	83	41	73x18x11	1890	Great Lakes Towing Co., Cleveland, O.
Sty	Alvina	526	318	180x26x16	1901	Thomas F. Cole, Duluth, Min.
Sty	Amadis	85	42	90x18x 8	1894	G. H. Kimball, Cleveland, O.
H. B.	Amaryllis	140	140	95x16x..	1896	Emily M. Cox, Alexandria Bay, N. Y.
Str	‡Amazon	3702	2680	376x46x26	1897	Australia Transit Co., J. E. Ferris, Sec., Cleveland, O.
Str	Amazonas	2228	1930	295x44x22	1898	James Davidson, W. Bay City, Mich.
Gas	Amelia	5	5	23x 7x 3	1912	Frank Meyer, Milwaukee, Wis.
Stp	‡America	937	593	182x31x11	1898	Booth Fisheries Co., Chicago, Ill. Rebuilt 1911.
Str	‡America	2171	1748	274x42x24	1889	R. A. Williams, Mgr., Rockefeller Bldg., Cleveland, O.
Str	‡America	297	258	134x32x..	3190	Erie Sand & Gravel Co., Erie, Pa.
Tug	‡America	123	83	80x21x12	1897	Great Lakes Towing Co., Cleveland, O.
Stp	‡Americana	1009	558	203x45x16	1908	Lake Erie Excursion Co., Buffalo, N. Y.
Gas	American Eagle	10	7	44x11x 4	1903	Phil. Kegel, Chicago, Ill.
Tug	Ames, J. C.	537	347	160x29x14	1882	Nau Tug Line, Green Bay, Wis.
Str	‡Ames, Ward	5750	4422	540x56x31	1906	Interlake Steamship Co., Cleveland, O.
Str	Ames, Wm. D.	30	21	61x15x 6	1905	Frederick Driscoll, Vermilion, O.
Gay	Amorita	69	62	69x20x15	1898	Wm. L. Baum, Chicago, Ill.
Str	Anabel	47	34	65x16x15	1892	Alice Coffey, Manistique, Mich.
Str	‡Andaste	1574	1256	266x38x22	1892	Cleveland-Cliffs Iron Co., Mgrs., Cleveland,O.
Str	Anderson, Francis R.	30	15	75x15x 6	1885	Booth Fisheries Co., Chicago, Ill.
Str	‡Andrews, Matthew.	7014	5497	532x56x31	1907	Kinsman Transit Co., Henry Steinbrenner, Mgr., Cleveland, O.
Tug	Andy	53	36	68x17x 9	1896	William Harmon, Chicago, Ill.
Str	‡Angeline	4644	3538	414x51x28	1899	Cleveland Cliffs Iron Co., Mgr., Cleveland, O.
Tug	Angler	18	9	54x12x 5	1880	James Stevenson, Cedarville, Mich.
C. F.	Ann Arbor, No. 1.	1127	563	260x53x15	1892	Ann Arbor R. R. & S. S. Line, Detroit, Mich. (Burned 1910.)
C.F.	Ann Arbor No. 2.	1144	572	264x53x14	1892	Ann Arbor R. R. & S. S. Line, Toledo, O.
Str	‡Ann Arbor No. 3.	1677	996	258x52x15	1898	Ann Arbor R. R. & S. S. Line, Toledo, O.
Str	‡Ann Arbor No. 4.	1884	1082	259x52x19	1906	Ann Arbor R. R. & S. S. Line, Toledo, O.
Str	Ann Arbor No. 5.	2884	1961	360x56x19	1910	Empire Trust Co., New York.
Str	Anna	25	12	62x14x 6	1892	Cornelius Van Zanten, et al., Grand Haven, Mich.
Sty	Anna M.	92	58	80x19x 4	1895	Portage Pleasure Boat Assn., Portage, Wis.
Str	Anna	21	14	44x12x 6	1908	Anton Kolp, Milwaukee, Wis.
Gas	Anna J.	7	6	31x 8x 3	1900	Fred Greiling, Ludington, Mich.
Gas	Anna V.	8	6	27x 9x 3	1908	Cornelius Vanderburg, Muskegon, Mich.
Tug	Annie	78	48	75x20x 9	1889	Great Lakes Towing Co., Cleveland, O.
Tug	Annie	75	37	80x18x 8	1884	John B. Breyman, Toledo, O.
Str	Annie	29	29	55x27x 3	1906	W. C. Grisdall, Bay City, Mich.
Str	Annie D.	20	10	54x13x 5	1886	Henry Muhlenberg, Sheboygan, Wis.
Str	Annie Laura	244	189	133x24x11	1871	Jerry Shampaign, Sandusky, O.
Gas	Annie Laurie	15	14	41x10x 5	1910	Pete H. Ray, Milwaukee, Wis.
Str	Annie R.	32	22	57x14x 6	1900	Booth Fisheries Co., Chicago, Ill. (Abandoned 1910.)
Gas	Anona	9	7	44x 8x 4	1900	George T. Bliss, Erie, Pa.
Sty	‡Anona	146	87	117x17x10	1904	J. Elizabeth Buhl, Detroit, Mich.
Gas	Antelope	10	9	43x 9x 4	1902	Frank Emmons, Detroit, Mich.
Gay	Antonette	9	9	29x 9x 4	1910	Henry Vanden Brook, Green Bay, Wis.
Sty	Apache	21	12	57x 8x 7	1898	Spencer Kellogg, Buffalo, N. Y.
Tug	Apollo	30	22	87x16x 5	1890	Daniel Flint, Saugatuck, Mich. (Out of commission.)
Gas	Arapahoe	19	17	46x11x 6	1908	John Mooney, Chicago, Ill.
Gas	Arawanna	8	7	42x11x..	1908	E. W. Ott, Toledo, O.
Gas	Arbutus	9	8	30x 9x 4	1910	Frank J. Stroh, Sturgeon Bay, Wis.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Gas	Arbutus	13	9	43x11x..	1907	A. Booth & Co., Chicago, Ill.
Gyt	Arbutus	20	18	45x11x 3.6	1910	E. F. Cooley, Lansing, Mich.
Gas	Arcadia	17	14	43x14x 4	1904	W. L. Baum, Chicago, Ill.
Str	Arctic	9	6	36x10x 4	1906	Silver Lake Ice Co., Buffalo, N. Y.
Tug	Arctic	71	42	76x18x 9	1881	Goodrich Transit Co., Chicago, Ill.
Tug	Arctic	23	17	50x18x 3	1881	John Lay, Sandusky, O.
Str	‡Arcturus	7159	5744	514x54x34	1906	Interlake Steamship Co., Cleveland, O.
Str	Argo	721	490	185x35x15	1895	Argo Steamship Co., Cleveland, O.
Bge	Argo	168	160	107x24x 9	1868	Ogdensburg Coal Co., Ogdensburg, N. Y.
Str	Argosy	48	33	69x16x 7	1904	Annie L. Sloan, Buffalo, N. Y.
Str	‡Argus	4707	3380	416x50x28	1903	Interlake Steamship Co., Cleveland, O.
Gas	Ariel	7	6	43x 8x 3	1898	W. R. Hitchcock, Massena, N. Y.
Stp	Ariel	201	119	95x28x11	1881	Walkerville & Det. F. Co., Detroit, Mich.
Str	Arita	13	9	46x13x 5	1901	E. Loesch, Erie, Pa.
Stp	Arizona	1041	801	203x40x22	1889	Goodrich Transit Co., Chicago, Ill.
Str	Arizona	765	601	189x32x14	1868	James A. White, Buffalo, N. Y.
Gay	Arline, D.	6	5	27x 7x 4	1910	D. J. Davidson, Green Bay, Wis.
Str	‡Arlington	2338	1691	244x43x27	1910	Rutland Transit Co., Ogdensburg, N. Y.
Str	Armour, Philip D.	1990	1452	264x41x23	1889	Pittsburg & Erie Coal Co., George B. Taylor, Mgr., Erie, Pa.
Stp	‡Arrow	365	182	165x28x18	1895	Sandusky & Isl. Stbt. Co., E. McFall, Mgr., Sandusky, O.
Gas	Arrow	31	21	63x17x 5	1879	(Rebuilt 1907) P. F. Goodlet, Marinette, Wis.
Gas	Arrow	14	12	46x12x 4	1904	Ludwig Hansen, Erie, Pa.
Gas	Arrow	31	21	63x17x 5	1879	Pete J. Goodlet, Marinette, Wis.
Str	Arthur	36	18	55x14x 7	1889	J. R. Hilborn, Cheboygan, Mich.
Str	Arthur	25	13	54x15x 7	1890	Thos. Hadlund, Bayfield, Wis.
Gap	Arthur	11	9	40x10x 3	1906	James H. Zahn, Chicago, Ill.
Str	Arthur	36	18	55x14x 7	1887	J. R. Hilborn, Cheboygan, Mich.
Tug	Arthur D.	21	10	48x13x 7	1889	Great Lakes Towing Co., Cleveland, O.
Tug	Arthur, P. W.	21	14	50x13x 6	1875	Hans P. Hansen, Escanaba, Mich.
Gas	Artic	7	5	28x 8x 4	1912	J. C. Reed, Houghton, Mich.
Stp	‡Arundell	339	257	167x24x18	1878	Andrew H. Crawford, Saugatuck, Mich. (Lost, 1911.)
Gas	Arvillo, C. W.	7	6	26x 8x 3	1907	Martin L. Wright, Big Suamiero, Wis.
Scb	Ashford	132	160	95x17x 9	1883	Joseph A. Hutton, Rondout, N. Y.
Str	Ashland	97	57	97x19x 7	1867	John Schroeder Lumber Co., Milwaukee, Wis. Rebuilt 1899.
Str	‡Ashley, J. S.	6361	4789	504x54x..	1909	Kinney S. S. Co., A. T. Kinney, Pres., Cleveland, O.
Str	‡Ashtabula	2670	1525	338x56x21	1906	Pennsylvania-Ontario Transportation Co., Cleveland, O.
Tug	‡Aspen	377	...	117x25x12	1906	U. S. Lighthouse Establishment, Washington, D. C.
Gay	As-You-Like-It	12	11	38x 9x 5	1906	F. A. Dennett, Sheboygan, Wis.
Str	Atlantis	197	106	109x23x 6	1887	J. R. Snook, Mt. Clemens, Mich.
Str	Atlas	33	23	60x16x 7	1911	Keystone Fish Co., Erie, Pa.
Str	Auburn	1379	1319	258x35x25	1878	Edw. Gillen Dock, Dredge & Construction Co., Racine, Wis.
Gas	Audrey, H.	9	8	41x11x 5	1907	C. F. Heymann, Huron, O.
Str	Augur, Chas. H.	25	13	58x13x17	1889	John Van Der Vaart, Sheboygan, Wis.
Cbt	Augusta G.	117	108	96x17x..	1889	Geo. J. Liasse, Burlington, Vt.
Str	‡Augustus, A. A.	6390	4869	504x54x30	1909	C. L. Hutchinson & Co., Mgrs., Pioneer S. S. Co., Cleveland, O.
Gas	Ausable	19	13	45x11x 5	1896	F. R. Wells, Burlington, Vt.
Str	‡Australia	3845	2877	376x48x26	1897	Australia Transit Co., J. E. Ferris, Secy., Cleveland, O.
Str	Averell, Wm. J.	1603	1425	241x37x24	1884	Rutland Trans. Co., Ogdensburg, N. Y.
Tug	Avery, Waldo A.	70	58	78x16 x8	1880	Great Lakes Towing Co., Cleveland, O. (Abandoned.)
Str	Avon	1417	1147	251x35x16	1877	Ogdensburg Coal & T. Co., Ogdensburg, N. Y.
Str	Aztec	834	683	180x33x14	1889	Lawrence D. Brown, Buffalo, N. Y.
	B					
Tug	Babcock, W. I.	63	31	71x17x11	1888	Great Lakes Towing Co., Cleveland, O.
Str	Badger	9	6	30x 8x 4	1899	James Gordon, Ashtabula, O.
Str	‡Baker, Geo. F.	7210	5459	585x58x32	1907	Pittsburg Steamship Co., Cleveland, O.
Str	‡Ball Bros.	5733	4438	480x52x30	1905	G. A. Tomlinson, Mgr., Globe S. S. Co., Duluth, Minn.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Str	‡Ball, Frank C.	6909	5459	530x56x31	1906	G. A. Tomlinson, Mgr., Globe S. S. Co., Duluth, Minn.
Tug	‡Baltimore	45	31	61x16x 8	1911	Booth Fisheries Co., Chicago, Ill.
Tug	Bangs, Anson M.	178	68	101x23x12	1897	The Breakwater Co., Cleveland, O.
Str	Barker, S. B.	176	131	96x17x 9	1882	Booth Fisheries Co., Chicago, Ill.
Str	‡Barlum, John J.	6419	4924	504x54x30	1909	Postal S. S. Co., John J. Barlum, M. O., Detroit, Mich.
Str	‡Barlum, Thomas.	5752	4485	480x52x30	1907	Postal S. S. Co., John J. Barlum, M. O., Detroit, Mich.
Str	Barth, L. L.	683	491	185x35x14	1889	E. Hines Lumber Co., Chicago, Ill.
Str	‡Bartow, J. H.	6316	5021	504x54x30	1907	E. D. Carter, Erie, Pa.
Str	‡Batavia	202	158	98x28x 8	1904	Lehigh Valley Trans. Co., Buffalo, N. Y.
Bge	Bath	1192	1132	253x36x22	1889	Boutell Steel Barge Co., Bay City, Mich.
F. B.	‡Battle, James	198	123	116x25x13	1900	City of Detroit Fire Com.
Tug	Bayfield	75	42	...x..x..	1909	Lake Superior Towing Co., Bayfield, Wis.
Gas	Bay Port	14	7	38x12x 4	1911	W. J. Orr, Bay Port, Mich.
Stp	Bay State	21	21	53x25x 3	1874	F. A. Wells, Saginaw, Mich.
Str	Beard, James	86	67	73x17x 6	1873	Pt. H'n & Sarnia Fy. Co., Port Huron, Mich.
Gap	Beatrice	8	6	25x 9x 4	1907	Hattie E. Thompson, South Manitou, Mich.
Str	‡Beatty, Chas.	986	814	204x40x16	1902	Volunteer Trans. Co., Rockefeller Bldg., Cleveland, O.
Gay	Beauford	6	6	30x 9x 4	1907	J. D. Leglise, Green Bay, Wis.
Str	Beaver	121	80	98x19x 9	1892	P. D. Campbell, Charlevoix, Mich.
Stp	‡Bedell, Ossian	296	192	104x28x10	1901	Samuel S. Staley, Grand Island, N. Y.
Str	Belle	37	18	60x13x 6	1885	A. C. Majo, Duluth, Minn.
Str	Bennett, J. W.	81	40	87x17x 9	1876	Lake Superior Towing Co., Bayfield, Wis.
Str	‡Bennington	2285	1393	244x43x27	1908	Rutland Transit Co., Ogdensburg, N. Y.
Str	Benton, Thos. H.	84	84	125x34x 4	1889	Southern Railway & Navigation Co., Chicago, Ill.
Gas	Berdie	7	6	30x 8x 3	1899	Joseph Adrian, Milwaukee, Wis.
Gas	Berneta	8	8	26x 9x 3	1908	Fremont S. S. Co., H. K. Oakes, Mgr. Detroit, Mich.
Str	‡Berry, B. F.	6188	4775	480x52x30	1903	Henry Moench, Algoma, Wis.
Gap	Bertha M.	11	10	31x10x 4	1901	Kennedy Bros., Cheboygan, Mich.
Gas	Berthatt	19	17	37x11x 5	1910	W. L. Warner, Harbor Springs, Mich.
Str	‡Berwind, Harry A.	6634	4927	532x58x31	1908	Mutual S. S. Co., G. A. Tomlinson, Mgr., Duluth, Minn.
Str	‡Bessemer, Sir H.	4321	3293	413x48x28	1896	Pittsburg Steamship Co., Cleveland, O.
Str	Bessie	89	44	97x20x 7	1880	Port Huron Transportation & Wrecking Co., Sandusky, O.
Str	Bethlehem	2633	1902	298x40x26	1888	Lehigh Valley Trans. Co., Buffalo, N. Y.
Gas	Beula W.	6	5	30x10x 3	1909	Henry Wackter, Naubinway, Mich.
Str	Bielman, C. F.	2056	1709	291x41x21	1892	McLachlan Trans. Co., Port Huron, Mich.
Str	‡Bielman, C. F., Jr.	33	23	67x14x 7	1907	C. F. Bielman, Detroit, Mich.
Str	Bigelow, H. P.	46	37	67x14x 8	1893	Brockville & Morristown Transp. Co., Morristown, N. Y.
Gas	Big Joe	7	6	27x10x 3	1909	D. M. Gerber, et al., Douglas, Mich.
Gas	Big Peder	14	13	32x10x 4	1911	Thomas Goodman, Washington Harbor, Wis.
Gas	Big Star	12	11	45x10x 4	1909	William Reiss, Chicago, Ill.
Gas	Bill	26	25	42x15x 3	1904	W. F. Summerrill, Benton Harbor, Mich. Erie Railroad Lake Line, Buffalo, N. Y.
Str	‡Binghamton	2143	1549	265x40x13	1883	Greiling Bros., Green Bay, Wis.
Tug	Birckhead, L.	32	16	61x16x 8	1893	Frank Roneker, Tonawanda, N. Y.
Str	Bird, Francis A.	14	7	40x12x 6	1910	Booth Fisheries Co., Chicago, Ill.
Str	Birmingham	23	16	53x15x 6	1906	National S. S. Co., M. B. McMillan, Mgr., Detroit, Mich.
Str	‡Bixby, W. K.	5712	4407	480x52x30	1898	Pittsburg Steamship Co., Cleveland, O.
Str	‡Black, Clarence A.	4521	3474	413x50x28	1902	Pittsburg Coal Co., Cleveland, O.
Str	Black Diamond	619	482	152x35x12	1906	David A. Trumpour, Cheboygan, Mich.
Gas	Black Diamond	8	7	30x 9x 4	1911	Peter Smongesky, Green Bay, Wis.
Gas	Blackhawk	11	10	31x10x 4	1907	Leo J. Hanlon, Port Clinton, O.
Gas	Blanch P.	11	9	39x11x 4	1907	Inland Steamship Co., Hutchinson & Co., Mgrs., Cleveland, O.
Str	‡Block, Joseph (nee A. H. Hawgood)	6486	4939	549x56x31	1889	Chas. M. Hyttel, Sr., Racine, Wis.
Str	Bloecker, Emma	31	14	56x13x 5	1909	Bay Transportation Co., Sandusky, O.
Stp	‡Boeckling, G. A.	328	157	155x30x..	1907	York S. S. Co., Boland & Cornelius, Mgrs., Buffalo, N. Y.
Str	‡Boland, John J.	6035	4530	480x54x30	1894	Hart Transportation Co., Sturgeon Bay, Wis.
Str	Bon Ami	226	149	108x21x16	1903	Graham & Morton Trans. Co., St. Joseph, Mich.
Tug	‡Bonita	58	39	63x17x 9		

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Sty	Bonita	73	49	110x16x 7	1892	Marinette Yacht Club, Marinette, Wis.
Stp	Bonner, J.	74	39	83x18x 5	1910	Thomas Young, Chicago, Ill.
Str	‡Bope, H. P.	5750	4422	540x56x30	1907	Interlake Steamship Co., Cleveland, O.
Str	‡Bos, C. J.	34	23	59x14x 7	1898	Wm. Ver Duin et al., Grand Haven, Mich.
Str	‡Boston	...	....	350x48x30		Western Transit Co., Buffalo, N. Y.
Str	Boutin, N.	46	23	68x18x 9	1882	Greiling Bros., Green Bay, Wis.
Gas	Bowser	9	8	30x12x 5	1908	Department of Public Works, City of Chicago, Ill.
Str	Boyce, Isabella J.	368	316	138x30x11	1889	John C. Pringle, St. Clair, Mich.
Str	Boyce, Mary H.	700	476	181x34x14	1888	F. W. Smith, Milwaukee, Wis. Rebuilt 1902.
Tug	Boyd, Harry H.	36	24	68x15x 7	1895	Simon Schacht, Erie, Pa. Rebuilt 1906.
Tug	Boynton, C. L.	103	51	86x21x12	1894	Great Lakes Towing Co., Cleveland, O.
Str	Bradley, Chas. H.	804	624	201x37x15	1890	O. W. Blodgett, Bay City, Mich.
Str	‡Bradley, M. A.	5539	4127	460x52x30	1908	Alva S. S. Co., M. A. Bradley, Mgr., Cleveland, O.
Str	Braeger, Frank	16	11	37x10x 5	1906	Frank Braeger, Milwaukee, Wis.
Str	‡Brandon	2338	1691	244x43x27	1910	Rutland Transit Co., Ogdensburg, N. Y.
Str	‡Bransford	4657	3386	414x50x28	1902	Acme Transit Co., Cleveland, O.
Str	‡Brazil	2186	1655	276x40x24	1896	R. A. Williams, Mgr., Rockefeller Bldg., Cleveland, O.
Gas	‡Brederode	14	12	33x 9x 5	1912	James Benjamins, Grand Rapids, Mich.
Tug	Breyman, G. H.	60	41	75x19x 9	1903	John B. Breyman, Toledo, O.
Tug	Breyman, John B.	59	40	71x18x 9	1885	John B. Breyman, Toledo, O. Rebuilt 1904.
Dge	‡Brian Boru	348	295	96x28x 8	1889	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.
Str	‡Britannia	791	401	164x45x18	1905	Detroit, Belle Isle & Windsor Ferry Co., Detroit, Mich.
Str	‡Briton	2348	1875	296x40x25	1891	Pittsburg Steamship Co., Cleveland, O.
Tug	Brockway, Geo. E.	164	82	112x20x11	1867	Great Lakes Towing Co., Cleveland, O.
Str	Brogan, L. T.	55	30	66x18x10	1906	Nau Tug Line, Green Bay, Wis.
Str	Brokate	140	112	91x26x..	1909	E. Jacques & Sons, Inc., Duluth, Minn., and Detroit, Mich.
Str	Brooks, H. G.	20	14	57x14x 5	1888	Eugene Thompson, Toledo, O.
Str	‡Brooks, LeRoy	41	25	75x14x 8	1891	Herman D. Rehberg, Middle Bass Island, O.
Str	‡Brower, A. G.	3582	2778	346x48x28	1902	Great Lakes Transp. Co., Rockefeller Bldg., Cleveland, O.
Str	Brower, Henry F.	30	15	60x15x 7	1882	Gust Gunderson, Sheboygan, Wis.
Str	‡Brown, Harvey H.	2673	1874	351x42x25	1894	Northwestern Trans. Co., Detroit, Mich.
Str	‡Brown, J. J. H.	5069	3787	432x52x28	1908	Brown Steamship Co., Buffalo, N. Y.
Str	Brown, M. P.	60	54	88x15x 6	1890	M. S. Kelsey, Rochester, N. Y.
Str	Brown, R. C.	184	116	121x24x 6	1910	Cook & Brown Lime Co., Oshkosh, Wis.
Tug	Brown, Tom	37	18	65x14x 8	1870	Wm. Harman, Chicago, Ill. (Abandoned 1910.)
Str	‡Brown, W. L.	4998	3967	430x50x29	1901	Republic Transp. Co., M. A. Hanna & Co., Mgrs., Cleveland, O.
Str	‡Brown, W. W.	3582	2778	346x48x28	1902	Great Lakes Transp. Co., Rockefeller Bldg., Cleveland, O.
Sty	Brownie	8	6	61x 9x 4	1896	George E. Morse, Clayton, N. Y.
Gas	Bruce	7	6	24x 8x 4		C. S. Nelson, Northport, Mich.
Tug	Bruce, B. F.	35	17	58x15x 8	1873	Charles Roe, Harbor Springs, Mich. Rebuilt 1902.
Gay	Buccaneer	22	20	48x11x 6		Joseph B. Welsh, Milwaukee, Wis.
Gas	Buck	6	5	26x 9x 3		Peter Goudreau, Epanfette, Mich.
Tug	Buckeye	32	22	55x14x 6	1901	George M. Downer, Cleveland, O.
Str	Buckeye Belle	14	9	60x12x 3	1895	Columbus Beach Co., Columbus, O.
Str	Buckley, Edward	414	313	144x31x11	1891	A. B. Klise, Sturgeon Bay, Wis.
Str	Buell, F. R.	951	743	194x35x23	1888	Tonawanda Barge Line, Charles Weston, Mgr., N. Tonawanda, N. Y.
Str	‡Buffalo	3951	3272	381x50x29	1899	Western Transit Co., Buffalo, N. Y.
Str	‡Buffington, Eugene J.	7528	5839	580x58x32	1909	Pittsburg Steamship Co., Cleveland, O.
Str	Bulgaria	1888	1486	280x39x21	1887	J. H. Osterloh, Green Bay, Wis.
Str	‡Bunsen, Robt. W.	5181	4012	439x50x30	1900	Pittsburg Steamship Co., Cleveland, O.
Sty	Burgard	13	7	39x 9x 4	1893	Great Lakes Construction Co., Buffalo, N. Y.
Str	Burger	47	32	69x18x 8	1903	John Coffey, Manistique, Mich.
Gas	Burger, H. B., Jr.	14	14	...x..x..	1910	George Toushek, Escanaba, Mich.
Str	‡Burlington	2285	1393	244x43x27	1908	Rutland Transit Co., Ogdensburg, N. Y.
Str	Burnham, George.	332	219	149x29x10	1880	Naugle Pole & Tie Co., Chicago, Ill.
Str	Burns, James	25	17	52x13x 6	1893	John Voelm, Cleveland, O.
Str	Burton, R. A.	361	329	125x34x 7	1898	A. I. Holloway, Buffalo, N. Y.
Gas	Buster	5	5	23x 8x 3	1909	Valentine Drzewieski, Big Suamico, Wis.

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Gas	Busy Dollar	33	29	53x10x 4	1912	Wm. Schroeder, Jr., Princeton, Wis.
Tug	Butler, Frank S.	38	19	65x14x 7	1865	A. Q. Thacker, Toledo, O.
Str	‡Butler, Joseph G.	6588	5174	525x55x31	1905	Hutchinson & Co., Cleveland, O.
Gyt	Butterfly	47	32	87x12x 7	1907	E. R. Thomas, Buffalo, N. Y.
Str	Butters, Marshall F.	376	229	164x30x11	1882	O. E. Parks, Michigan City, Ind.
Str	‡Byers, A. M.	6364	4841	504x54x30	1910	North America S. S. Co., Duluth; R. A. Williams, Cleveland, Mgr.
Gas	Byers, J. C.	9	6	42x11x..	1911	J. N. Dewey & Co., Toledo, O.
Tug	Byers, James	54	27	69x17x 9	1888	Great Lakes Towing Co., Cleveland, O.
	C					
Str	‡Cadillac	1263	1068	230x37x21	1892	Grand Island S. S. Co., Grand Island, Mich.
Str	Cadillac	19	11	50x13x 6	1901	Charles C. Ryan, Buffalo, N. Y.
Str	Cadwell, C. W.	593	212	164x37x17	1911	Cadwell Transit Co., Duluth, Minn.
Sts	Cahill, Walter	45	14	70x17x 8	1911	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	‡Calcite			416x54x29		Calcite Transportation Co., Detroit, Mich.
Str	‡Caldera	6328	4686	504x54x30	1908	Croxton S. S. Co., A. T. Kinney, Mgr., Rockefeller Bldg., Cleveland, O.
Str	Caldera	41	28	62x17x 6		Alexander McIver, Cleveland, O.
Str	Caledonia	2197	1509	277x42x21	1888	Boland & Cornelius, Mgrs., Caledonia S. S. Co., Buffalo, N. Y.
Str	Calliste, J. W.	35	24	60x13x 6	1890	Robert C. Ludwig, et al., Michigan City, Ind.
Gas	Calumet	7	6	39x10x 4	1901	Ivar Johnson, Chicago, Ill.
Str	‡Calumet	4928	3673	420x52x28	1907	Interlake Steamship Co., Cleveland, O.
Tug	Calumet	62	31	73x19x 9	1892	C. H. Starke Dredge & Dock Co., Milwaukee, Wis.
Sty	Calypso	60	41	89x14x 8	1907	John E. McIntosh, Cayuga, N. Y.
Sty	Cambria	48	24	94x13x 6	1894	John Stevens, Neenah, Wis.
Stp	‡Canadiana	974	427	209x45x16	1910	Lake Erie Excursion Co., Buffalo, N. Y.
Sty	Cangarda	116	63	103x18x10	1901	W. H. Hanson, Schenectady, N. Y.
Str	Canisteo	595	539	182x34x12	1886	E. Jacques & Son, Duluth, Minn.
Str	‡Canopus	4978	3770	464x50x28	1905	Interlake Steamship Co., Cleveland, O.
Gas	Cape Pigeon	8	7	27x 9x 3	1900	Frank Carlson, Manistee, Mich.
Gas	Cape Pigeon	12	11	32x 9x 4	1904	Bjorkquist Bros., Manistee, Mich.
Sty	‡Capitola	123	83	137x19x10	1904	Harry T. Wicks, Saginaw, Mich.
Str	‡Capt. Hemans	34	26	50x10x 4	1902	Weston U. Cline, Massena, N. Y.
Str	Captain Visger	29	15	78x13x 6	1895	O. G. Staples, Washington, D. C.
Str	Carbray, Felix	591	451	218x33x22	1881	Chesbrough Bros., Emerson, Mich.
Str	Carl	33	16	57x16x 8	1889	A. G. Regan, Cleveland, O.
Gap	Carlew	5	5	30x 8x 3	1909	Erick P. Beerklund, Manistee, Mich.
Gas	Carlotta	18	17	39x15x 6	1879	Ben Cowles, Buffalo, N. Y.
Gas	Carnation	7	6	28x 8x 3	1903	Urbain Allie, Sturgeon Bay, Wis.
Str	‡Carnegie, Andrew.	4106	3067	403x48x28	1897	Wilson Transit Co., Cleveland, O.
Yt	Caroline	146	83	118x18x..	1909	Edward Ford, Toledo, O.
Str	Carolina	1304	887	220x40x21	1892	Goodrich Trans. Co., Chicago, Ill.
Gas	Caroline	6	5	28x 8x 3	1911	Charles Jansen, Detroit Harbor, Wis.
Gas	Caroline	11	7	41x10x 3	1911	Jerry Madden Shingle Co., Rapid River, Mich.
Tug	‡Carrington, M. D.	64	32	67x16x 9	1875	Great Lakes Towing Co., Cleveland, O.
Stp	Carter, B. F.	160	101	112x28x 5	1877	Cook & Brown Lime Co., Oshkosh, Wis. (Abandoned.)
Str	‡Carter, E. D.	6359	5063	504x54x30	1906	E. D. Carter, Erie, Pa.
Str	Carter, W. J.	235	171	122x28x10	1886	Thomas E. Finn, Marinette, Wis.
Tug	Cascade	72	49	72x19x11	1895	Great Lakes Towing Co., Cleveland, O.
Gas	Cascade	8	7	28x 8x 3	1905	Charles Grosse, Little Suamico, Wis.
Str	Case	2278	1901	286x42x22	1889	W. J. Willoughby, Willoughby, O.
Str	Cassidy, James H.	110	61	80x22x12		Standard Contracting Co., Cleveland, O.
Str	‡Castalia	3125	2229	364x40x26	1890	Brown Steamship Co., Cleveland, O. (Rebuilt 1905.)
Gas	Castanet	14	12	45x11x 4	1909	Booth Fisheries Co., Chicago. Rebuilt 1912.
Str	Castanet	46	32	69x14x..	1909	Ranney Fish Co., Cleveland, O.
Gas	Cataract	7	6	28x 9x 4	1906	Adolph Green, Green Bay, Wis.
Gas	Catharina	18	18	45x 9x 4	1912	James Carros, Milwaukee, Wis.
Sty	Catherine	46	30	67x18x 7	1892	Harry T. Wicks, Saginaw, Mich.
Gas	Catherine B.	7	6	26x 8x 3	1907	Dennis D. Boyle, St. James, Mich.
Gas	Cawyask	7	6	24x 8x 3	1910	Wm. Battice, High Island, Mich.
Stp	‡Cayuga	2167	1139	306x37x15	1906	Niagara Navigation Co., Toronto, Can.
Str	‡Cayuga	27	17	57x13x 5	1872	Isaac L. Lanford, Montague, Mich.
Str	Cecil W.	12	8	35x10x 4	1905	W. S. Wilson, Northport, Mich.
Str	‡Centurion	3401	2728	360x45x27	1893	Hopkins S. S. Co., (Cleveland-Cliffs I. Co., Mgr.), Cleveland, O.

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Str	‡Cepheus	4551	3451	416x50x28	1903	Interlake Steamship Co., Cleveland, O.
Str	‡Cepheus	4551	3451	416x50x28	1903	Interlake Steamship Co., Cleveland, O.
Str	‡Cetus	4720	3282	416x50x28		Interlake Steamship Co., Cleveland, O.
Str	‡Champlain	5494	4153	444x56x31	1910	Northern Lakes S. S. Co., G. Vonden Steinen, Mgr., Cleveland, O.
Gas	Charles K.	7	5	27x 8x 3	1909	Charles Koppelman, Waukegon, Ill.
Str	Charlotte	41	28	62x17x 6	1912	E. S. Williamson, Erie, Pa.
Str	Charlotte	39	27	83x16x 5	1912	Fix Bros., Buffalo, N. Y.
Sly	Charlotte R.	18	17	44x13x 5	1895	John M. Dahl, Chicago, Ill.
Tug	Charm	25	18	61x16x 5	1885	Alexander MacIver, Cleveland, O.
Tug	Charnley, C. M.	83	41	78x19x 9	1882	Great Lakes Towing Co., Cleveland, O.
Tug	Chase, Stephen	45	31	69x16x 6	1902	Geo. Owen, Ashtabula, O.
Stp	‡Chateaugay	742	576	196x30x10	1888	Champlain Transp. Co., Burlington, Vt.
Tug	‡Chattanooga	47	32	61x16x 8	1910	Booth Fisheries Co., Chicago, Ill.
Scw	Cheboygan	95	95	...x..x..	1894	Whitney Bros. Co., Superior, Wis.
Str	‡Chemung	2615	1778	326x41x26	1888	Erie Railroad Lake Line, Buffalo, N. Y.
Str	Cherokee	1304	1019	208x36x22	1889	Shannon & Garey, Saginaw, Mich.
Gas	Chester	8	6	42x 9x 4	1904	W. C. Brusger, Chicago, Ill.
Gyt	Chic	10	6	45x11x 4	1901	J. H. Vaile, Dayton, O.
Gas	Chicago	9	8	52x10x 2	1902	Frank R. Cooney, Chicago, Ill.
Stp	Chicago	746	589	205x30x20	1874	Goodrich Transportation Co., Chicago, Ill.
Tug	Chicago	40	20	60x18x 9	1882	Great Lakes Towing Co., Cleveland, O.
Str	‡Chicago	3195	2546	325x44x28	1901	Western Transit Co., Buffalo, N. Y.
F. B.	Chicago	78	12	81x18x 7	1882	Chicago Fire Dept. Rebuilt 1901.
Gas	Chicago Harbor No.1	8	6	39x 9x 4	1912	City of Chicago.
Gas	Chicago H'rb'r No.11	12	8	35x10x 5	1912	City of Chicago.
C. F.	‡Chief Wawatum	2990	1793	324x62x25	1911	Mackinac Transp. Co., St. Ignace, Mich.
Str	‡Chili	2584	1845	324x42x27	1895	C. W. Elphicke, (M. O.), 6 Sherman St., Chicago, Ill.
Str	Chipman, Susie	216	164	122x26x 9	1885	Julius Kroos, Sheboygan, Wis.
Str	Chippewa	398	250	181x28x..	1884	Arnold Transit Co., Mackinac Island, Mich.
Str	Chisholm Jr., Alva S.	435	259	152x35x 9	1900	Kelley Isl. Lime & T. Co., Cleveland, O.
Gas	C. H. M.	11	11	30x 9x 4	1907	Peter Lefever, Green Bay, Wis.
Stp	Choate, Leander	279	176	124x32x 7	1908	Oshkosh Steamboat Co., Oshkosh, Wis.
Str	‡Choctaw	1573	1256	266x38x23	1892	Cleveland Cliffs Iron Co., Cleveland, O.
Str	Christie, T. S.	517	471	160x30x12	1885	Herman H. Hettler Lumber Co., Chicago, Ill.
Str	‡Christopher	4260	3137	410x48x28	1901	Christopher Steamship Co., Gary, Ind.; D. Sullivan & Co., Chicago, Mgrs.
Stp	‡Christopher Columbus	1511	945	362x42x24	1893	Goodrick Transit Co., Chicago, Ill.
Tug	‡Cincinnati	47	32	61x10x 8	1910	Booth Fisheries Co., Chicago, Ill.
Sly	Cinderella	28	27	55x16x 7	1886	F. E. Woodworth, Rochester, N. Y.
Tug	Circle	21	10	46x13x..	1885	Government Engineer, Duluth, Minn.
Tug	Ciscoe	15	8	45x13x 5	1891	Ranney Fish Co., Cleveland, O.
Stp	‡City of Alpena II (nee City of Alpena)	1735	1282	266x38x24	1893	D. & C. Nav. Co., Detroit, Mich.
Str	‡City of Bangor	4202	3058	445x45x28	1896	The Lake Transit Co., Bay City, Mich.
Stp	City of Boyne	99	67	88x20x 8	1883	Oscar E. Wilbur, Charlevoix, Mich.
Tug	City of New Baltim.	80	60	94x20x 6	1875	Thomas Isabell, Sturgeon Bay, Wis.
Str	‡City of Benton Harbor	1286	811	248x37x16	1904	Graham & Morton Trans. Co., Chicago.
Str	City of Berlin	2051	1711	298x41x21	1891	Henry Wineman, Jr., Detroit, Mich.
Stp	‡City of Buffalo	2940	1604	340x43x17	1896	C. & B. Transit Co., Cleveland, O. Rebuilt 1904.
Stp	City of Cheboygan	247	163	98x30x10	1890	Island Transp. Co., St. Ignace, Mich.
Stp	‡City of Chicago	1439	1012	254x34x24	1890	Graham & Morton Trans. Co., Chicago, Ill. Rebuilt 1905.
Stp	City of Cleveland III	4568	2403	402x54x22	1907	D. & C. Nav. Co., Detroit, Mich.
Stp	‡City of Detroit II (nee City of Detroit)	1919	1454	286x41x26	1889	D. & C. Nav. Co., Detroit, Mich.
PassStr	‡City of Detroit III	....	....	455x55x22		Detroit & Cleveland Navigation Co., Detroit, Mich.
Stp	‡City of Erie	2498	1280	316x44x29	1898	C. & B. Transit Co., Cleveland, O.
Sch	City of Gr'd Haven	200	190	127x26x 9	1872	Frank Geele, Sheboygan, Wis.
Stp	‡City of Grand Rapids	3061	1572	291x48x27	1912	Graham & Martin Transportation Co., Chicago, Ill.
Str	City of London	2005	1675	297x41x23	1891	William Anderson, Room 812, 175 Jackson Blvd., Chicago, Ill.
Stp	‡City of Mackinac II (nee City of Mackinac)	1749	1277	266x38x24	1893	D. & C. Nav. Co., Detroit, Mich.

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Str	City of Marquette..	341	295	114x25x 9	1890	Hill Steamboat Line, Kenosha, Wis.
Str	City of Mt. Clemens	132	97	106x23x 9	1884	L. W. Sullivan, Mgr., 318 Chamber of Commerce, Toledo, O.
Str	City of Naples	2109	1772	301x43x25	1892	Norris & Co., Chicago, Ill.
Str	City of Paris.....	2062	1714	298x41x21	1891	S. P. Cranage, Bay City, Mich.
Stp	‡City of St. Ignace..	1923	1324	272x40x26	1886	D. & C. Nav. Co., Detroit, Mich.
Stp	‡City of S. Haven...	1719	1169	232x40x16	1903	Chicago & South Haven S. S. Co., South Haven, Mich.
Stp	‡City of the Straits..	1094	811	234x35x23	1878	D. & C. Nav. Co., Detroit, Mich.
Stp	‡City of Toledo.....	1003	654	212x31x13	1891	White Star Line, Detroit, Mich.
Str	City of Traverse...	1153	925	214x32x22	1871	Graham & Morton Transp. Co., Chicago, Ill.
Gas	City of Two Harbors	15	7	50x13x 5	1907	Olaf A. Oberg, Two Harbors, Minn.
Gas	Clara	10	9	30x 9x 4	1908	Charles Winowiecki, Traverse City, Mich.
Sty	Clara	21	10	60x12x 5	1899	H. H. Westinghouse, Ithaca, N. Y.
Str	Clara B..... (nee Edward K.)	53	36	65x16x 8	1899	Herman Balow, St. Joseph, Mich. Rebuilt 1911.
Gas	Clara L.	7	7	32x 9x 4	1902	Alfred LaFind, Sr., Two Rivers, Wis.
Str	Clara S.	15	10	51x14x 4	1896	Thomas Strickland, Baraga, Mich.
Gas	Clara S.	30	29	43x13x 6	1909	Fred Wilke, Two Rivers, Wis.
Str	‡Clarke, E. A. S. ...	4713	3159	416x50x28	1899	John Mitchell, Cleveland, O.
Gyt	Clarke, J. V.....	41	27	68x14x 5	1910	H. B. Clarke, Chicago, Ill.
Gas	Claude S.	7	7	28x 8x 4	1910	Frank O. Smith, Green Bay, Wis.
Tug	Clayt	10	9	41x11x 5	1887	Mrs. M. R. Pickands, Cheboygan, Mich.
Gas	Clayton, E. A.....	9	8	29x 9x 4	1907	Armar Kincaide, Detroit Harbor, Wis.
Str	‡Clement, Stephen M.	5821	4487	480x52x30	1905	John Mitchell, Mgr., Buffalo S. S. Co., Cleveland, O.
Gas	Cleo M.....	18	15	45x11x 4	1911	S. C. Darrow, Traverse City, Mich.
Pol Bt	Cleveland, Grover..	59	40	63x16x..	....	City of Buffalo, N. Y.
Gas	Clifford M.	7	7	29x10x 4	1911	John Mealy, Jr., Pensaukee, Wis.
Gas	Clifford W.	6	6	27x 8x 3	1901	George Wenninger, Algoma, Wis.
Str	Clinton	124	62	96x25x 6	1898	Kelley Island L. & T. Co., Cleveland, O.
Str	Clyde	1306	1158	256x36x19	1881	Tonawanda I. & S. Co., N. Tonawanda, N. Y.
Tug	Coates, Peter	32	20	61x15x 7	1886	Booth Fisheries Co., Chicago, Ill.
Str	‡Codorus	2165	1802	275x40x26	1892	Erie & Western Trans. Co., Anchor Line, Buffalo, N. Y.
Str	Coe, S. S.	31	15	66x15x 6	1868	Independent Tug Line, Milwaukee, Wis.
Str	Coffinberry, H. D..	778	509	191x33x21	1874	F. W. Schwentner, 911 Schofield Bldg., Cleveland, O.
Gas	Coila	6	6	29x 8x 4	1902	Amos Allie, Two Rivers, Wis.
Str	Colborn, A. R.....	275	207	127x28x10	1881	Douglass Transp. Co., St. Clair, Mich.
Str	‡Cole, Thomas F....	7268	5484	580x58x32	1906	Pittsburg Steamship Co., Cleveland, O.
Tug	Colgan, M. A.....	12	8	34x 8x 8	1909	James Boland, Buffalo, N. Y.
Str	‡Colgate, Jas. B.....	1713	1318	308x38x24	1892	Pittsburg Steamship Co., Cleveland, O.
Str	‡Colonel	3879	3044	356x50x28	1901	Michigan Steamship Co., Detroit, Mich.
Sty	‡Colonia	259	151	163x22x..	1899	Fred M. Alger, Detroit, Mich.
Tug	‡Colton, A. W.	92	48	81x18x10	1881	Great Lakes Towing Co., Cleveland, O.
Gas	Columbia	12	10	48x12x..	1909	Phil Kegel, Chicago, Ill.
Str	Columbia	26	17	58x12x 4	1896	Jasper Ellis, Clayton, N. Y.
Str	Columbia	96	65	101x20x 7	1892	Henry J. Roe, Harbor Springs, Mich.
Str	‡Columbia	162	87	103x29x 9	1885	Clow & Nicholson Transportation Co., Duluth, Minn.
Str	Columbia	1373	1053	235x39x20	1881	Richard Williamson, Niagara Falls, N. Y. Lost.
Dge	Columbia	522	392	124x40x 8	1903	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	Columbia	26	17	58x12x 4	1896	Jasper Ellis, Clayton, N. Y.
Str	Columbia	83	41	81x17x 8	1892	Peter Anderson, Marquette, Mich.
Stp	‡Columbia	968	549	216x45x13	1902	Detroit, Belle Isle & Windsor Ferry Co., Detroit, Mich.
Tug	Columbia	62	31	74x17x..	1888	Great Lakes Towing Co., Cleveland, O.
Str	Columbus	26	22	59x13x 4	1905	Geo. M. Maley, Sandusky, O.
Gas	‡Columbus Y. C.	60	52	66x13x 6	1905	O. C. Hartman, Duluth, Minn.
Sty	‡Comanche	357	190	167x25x15	1892	H. M. Hanna, Cleveland, O.
Tug	Comet	18	13	50x12x 4	1899	Booth Fisheries Co., Chicago, Ill.
Gas	Comet	8	7	32x 9x 3	1909	Herman Schramm, Milwaukee, Wis.
Dge	Commerce	112	98	99x19x 6	1878	Doville Lake Sand & Gravel Co., Toledo, O.
Str	‡Commerce	280	190	114x33x13	1911	Merchants Lighterage Co., Chicago, Ill.
Str	Commodore	2082	1927	265x42x25	1875	Naval Reserve, Chicago, Ill.
Str	Commodore Perry..	34	26	62x15x 7	1908	John Hamburger, Fish Commissioner, Erie, Pa.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Gyt	Companion 25	21	53x11x..	1909	John G. Dorn, Sandusky, O.
Str	‡Conemaugh 3898	2967	352x46x30	1909	Anchor Line, E. & W. T. Co., Buffalo, N. Y.
Str	Conestoga 1726	1562	252x36x26	1878	Crosby Trans. Co., Grand Haven, Mich.
Str	‡Congdon, Chester A.6530	4843	532x56x31	1907	G. A. Tomlinson, Duluth, Minn.
Str	Conger, Omar D.. 196	131	92x26x11	1882	Port Huron & Sarnia Ferry Co., Pt. Huron, Mich. (Rebuilt.)
Tug	Connelly Bros..... 9	6	37x10x..	1908	Connelly Bros., Buffalo, N. Y.
Str	‡Conover, C. H..... 203	138	99x30x12	1905	Merchants Lighterage Co., Chicago, Ill.
Gas	Constance 10	7	38x12x..	1909	Willoughby Misener, Dunkirk, N. Y.
Str	Constitution 96	48	89x19x 8	1864	James Magee Duluth, Minn.
Tug	Constitution 46	35	72x16x 9	1900	Great Lakes Towing Co., Cleveland, O.
Sty	Contaluta 38	19	75x13x 5	1893	Norman D. Carpenter, Detroit, Mich.
F. B.	Conway, Michael W. 144	99	96x24x 9	1906	Fire Department, Chicago, Ill.
Bge	Cook, Bob 224	202	99x28x..	1907	E. F. England, Duluth, Minn.
Str	‡Cooke, Delos W....3398 (nee Starrucca)	2067	325x44x28	1897	Erie Railroad Lake Line, Buffalo, N. Y.
Str	‡Cook, Robert H.... 157	78	102x21x10	1882	Lake Champlain Trans. Co., Whitehall, N. Y.
Tug	Cooper, George 53	26	68x18x 9	1891	Great Lakes Dredge and Dock Co., Chicago, Ill.
Str	Cooper, Ralph M... 36	26	59x15x 6	1893	Henry Devine, Sturgeon Bay, Wis.
Str	‡Coralia 4330	3351	412x48x28	1896	Pittsburg Steamship Co., Cleveland, O.
Gas	Coressis 8	6	34x 9x 3	1911	W. H. Swartz, Chicago, Ill.
Str	‡Corey, Wm. E.....6363	5045	557x56x31	1905	Pittsburg Steamship Co., Cleveland, O.
Bge	‡Corliss, George H..3259	3124	352x44x26	1896	Pittsburg Steamship Co., Cleveland, O.
Str	Cornelia 38	19	62x16x 8	1882	John C. Hines, Asst. Sec. N. C. Ry. Co., Philadelphia, Pa.
Sty	Cornelia 59	40	88x15x 8	1898	Marshal D. Wilber, Chicago, Ill.
Str	‡Cornelius, Adam E..4900	3736	420x52x28	1908	Boland & Cornelius, Buffalo, N. Y.
Sty	Cornell, Ezra 30	15	72x11x 7	1900	E. G. Wyckoff, Ithaca, N. Y.
Tug	Cornell 65	32	72x17x11	1888	Great Lakes Towing Co., Cleveland, O.
Str	‡Cornell 5082	3986	454x50x29	1900	Pittsburg Steamship Co., Cleveland, O.
Str	Corona 51	18	64x17x 6	1892	Arthur S. Osborn, Mgr., The Osborn Sand Co., Duluth, Minn. Rebuilt in 1907.
Str	‡Corrigan, James....6971	5482	530x56x31	1908	Frontier S. S. Co., W. M. Mills, Mgr., Tonawanda, N. Y.
Sty	Corsair 36	29	58x10x 5	1887	Philip Mago, Jr., Tonawanda, N. Y.
Str	Corsica 2364	1786	299x40x25	1888	The Lakewood Steamship Co., W. H. McGean, Sec., Cleveland, O.
Str	‡Cort, Henry.....2234	1571	320x42x25	1892	Pittsburg Steamship Co., Cleveland, O.
Str	‡Corvus .....4551 (nee J. L. Weeks)	3451	416x50x28	1903	Interlake Steamship Co., Cleveland, O.
Str	Costello, Dan 27	13	47x14x 7	1874	Adam Paczocha, Milwaukee, Wis.
Str	‡Cotton, Nellie 37	20	63x15x 8	1867	N. M. DeHaas, Marquette, Mich.
Str	‡Coulby, Harry 6495	4939	549x56x31	1906	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Str	‡Courtney, L..... 48	33	61x16x..	1909	Booth Fisheries Co., Chicago, Ill.
Str	‡Cowle, John B.....6614	5134	525x58x31	1910	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Str	‡Cowles, Theodore E. 33	22	49x15x 7	1905	Lotta R. Cowles, Buffalo, N. Y.
Tug	Craig 32	21	53x15x 7	1905	South Haven Towing & Wrecking Co., So. Haven, Mich.
Str	‡Craig, Geo. L.....3762	3130	360x50x28	1903	John Craig, Mgr., Toledo, O.
Str	Crane, Frank R..... 16	8	48x12x 6	1878	Great Lakes Dredge & Dock Co., Chicago, Ill.
Gas	Crawford 6	5	24x 8x 3	1902	Ben C. Perkins, Scott's Point (Gold City P. O.), Mich.
Str	‡Crawford, George G.7971	6196	585x60x32	1906	Pittsburg S. S. Co., Cleveland, O.
Str	‡Crerar, John 1550	955	241x41x18	1903	Gt. Lakes & St. Lawrence Trans. Co., D. Sullivan, Mgr., Chicago, Ill.
Tug	Crescent 385	297	135x34x 9	1910	Lotta L. Cowles, Buffalo, N. Y.
Str	Crescent 71	50	77x17x14	1890	W. T. Johns, Duluth, Minn.
Str	‡Crescent City 4213	3675	406x48x28	1897	Pittsburg Steamship Co., Cleveland, O.
Str	Cresco 62	36	75x17x 6	1882	John W. Hatch, Ogdensburg, N. Y. (Burned.)
Str	Cresswell 33	15	56x15x 6	1882	James Stewart & Co., New York, J. E. Lowe, Buffalo, N. Y.
Str	‡Crete 6189	4746	480x52x30	1907	Interlake Steamship Co., Cleveland, O.
Str	‡Crete 6189	4764	480x52x30	1907	Lackawanna Steamship Co., Pickands, Mather & Co., Mgrs., Cleveland, O.
Tug	Crosby 35	17	66x15x 7	1889	John Shea, Duluth, Minn.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Stp	Crosby, E. G.	2142	1457	203x40x24	1881	Crosby Transportation Co., Grand Haven, Mich. Rebuilt 1909.
Tug	Crosby, E. G.	84	42	89x18x10	1892	Great Lakes Towing Co., Cleveland, O.
Str	Crouse, J. S.	82	72	89x17x 8	1898	Charles Anderson, Sheboygan, Wis.
Gas	Cruso	207	162	86x20x..	1909	Hibbard Spence Bartlett Co., Chicago, Ill.
Gas	Crystal	10	10	33x10x 4	1909	Wesley G. Reed, Oconto, Wis.
Str	Crystal	13	9	39x10x 5	1905	Nels M. Sorenson, Detroit Harbor, Wis.
Str	Cuckoo	36	24	51x13x 5	1907	Sarah A. Rogers, Saugatuck, Mich.
Str	‡Cuddy, Loftus	6829	5361	525x55x31	1906	John Mitchell, Cleveland, O.
Str	Culligan	1558	1274	263x39x20	1883	Boland & Cornelius, Mgrs., Buffalo, N. Y. (Foundered 1912.)
Gas	Cupid	21	19	45x11x 4	1911	G. W. Swedenborg, Ashtabula, O.
Str	Currie, R. W.	36	18	60x14x 7	1882	John Pasque, Bayfield, Wis.
Str	‡Curry, S. S.	3931	2901	432x45x26	1893	Hawgood & Avery Transit Co., Cleveland, O.
Str	Curtis, C. F.	691	522	196x32x13	1882	Edward Hines Lumber Co., Chicago, Ill.
Gas	Cuyler, Glen	60	57	84x20x 5	1859	D. H. Lahey, Two Rivers, Wis.
Str	Cygnet	59	40	69x15x..	1908	Charles W. McConnell, Indian River, Mich.
Str	‡Cygnus	4725	3393	416x50x28	1903	Interlake Steamship Co., Cleveland, O.
Gas	Cynthia	15	13	39x10x 5	1904	R. E. Matt, Cheboygan, Mich.
Sty	‡Cynthia	103	70	120x18x 7	1895	M. B. Mills, Detroit, Mich.
Gyt	Cynthiana	25	17	50x15x 5	1910	Gilbert H. Hoxie, Chicago, Ill.
Gas	Cynthie	7	6	27x 9x 3	1907	Charles Scofield, Sturgeon Bay, Wis.
	D					
Gas	D. B. C. III.	30	25	59x11x..	1906	Detroit Boat Club, Detroit, Mich.
Str	‡Dahlke, H.	442	374	142x35x11	1908	Lake Sand Co., Chicago, Ill.
Tug	Dahl, Peter	28	14	53x14x 5		Charles Selover, Tonawanda, N. Y.
Gas	Dahlia	8	7	27x 9x 3	1910	Arthur Engebretson, Gill's Rock, Wis.
Tug	Dahlmer, Margaret	...	...	70x..x..	1909	Capt. John Dahlmer, Dunkirk, N. Y.
Tug	Dailey	9	6	41x12x 4	1900	L. B. Newberry, Sandusky, O.
Gas	Daisy	6	5	23x 8x 3	1900	Wm. Buckler, Leland, Mich.
Gas	Daisy	13	9	36x 8x 3	1899	J. A. Oling, Chicago, Ill.
Str	Dallas	269	...	133x22x..	1874	George L. Craig, Toledo, O.
Str	‡Dalton, H. G.	1615	919	255x41x18	1903	Great Lakes & St. Lawrence Trans. Co., D. Sullivan, Mgr., Chicago, Ill.
Gas	Dan-Mar	9	6	44x11x..		J. N. Dewey, Toledo, O.
Gas	Darling	7	7	26x 9x 4	1905	Albert Goodmander, Washington Harbor, Wis.
Gas	D'Artagnan	26	18	84x10x 5	1904	C. F. Leaf, Chicago, Ill.
Str	Dash, John A.	13	6	52x12x 5	1886	Jerry Driscoll, Erie, Pa.
Str	‡Davidson, A. D.	1640	987	241x41x18	1903	Great Lakes & St. Lawrence Trans. Co., D. Sullivan, Mgr., Chicago, Ill.
Str	‡Davidson, Louis R.	6356	4996	504x56x30	1912	Boland & Cornelius, Buffalo, N. Y.
Str	‡Davidson, J. E.	6206	4943	504x54x30	1905	Inter Ocean S. S. Co., G. A. Tomlinson, Mgr., Duluth, Minn.
Str	Davidson, Thos.	2226	1714	286x42x26	1888	Henry J. Pauley, Milwaukee, Wis.
Gas	Davis, H. J.	45	32	65x17x..	1908	C. I. Cook, Menominee, Mich.
Sts	Davis, James F.	193	131	100x28x 6	1912	George W. Smalley, Saugatuck, Mich.
Tug	Davis, Townsend.	67	33	70x19x11	1890	Great Lakes Towing Co., Cleveland, O.
Str	‡Davock, Wm. B.	4468	3246	420x52x28	1906	Vulcan Steamship Co., W. B. Davock, Mgr., Cleveland, O.
Sty	Dawn	9	6	57x 8x 4	1889	J. S. Newberry, Detroit, Mich.
Tug	Day, Erastus	69	35	70x20x10	1893	Great Lakes Towing Co., Cleveland, O.
Str	‡Defender	88	60	85x18x 9	1895	Lake Champlain Trans. Co., Whitehall, N. Y.
Str	‡Delaware	3901	3250	350x46x30	1905	Erie & Western Transit Co., Anchor Line, Buffalo, N. Y.
Tug	Delaware	19	13	39x11x 6	1903	James J. Pendergast, Buffalo, N. Y.
Gas	Delia	7	6	27x 8x 3	1907	F. F. Seidl, Menominee, Mich.
G	Delphine	27	18	68x11x 3	1904	David K. Jeffries, Chicago, Ill.
Tug	Delta	47	23	65x19x 9	1883	Great Lakes Towing Co., Cleveland, O.
Str	Dempsey, E. C.	87	38	77x20x11	1910	The Kelley Island Lime & Transport. Co., Cleveland, O.
Stp	Denessen, John	39	15	75x15x 6	1883	Theo. J. Denessen, Green Bay, Wis.
Stp	Denessen, Netie	54	36	84x18x 6	1884	Wm. Denessen, Green Bay, Wis. (Rebuilt 1903.)
Str	‡Denmark	5448	4434	440x56x28	1909	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Str	Desmond	456	355	149x30x12	1892	Cream City Sand Co., Milwaukee, Wis.
Tug	Desmond, John	44	30	69x16x 6	1900	Timothy J. Desmond, Dunkirk, N. Y.
Tug	Desmond, Jennie A.	14	7	46x10x 5	1887	Timothy J. Desmond, Dunkirk, N. Y.

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Tug	Desmond, Tim	31	21	59x15x 6	1898	The Cleveland Fish Co., Cleveland, O.
Scw	Destroyer	106	30	356x35x..	....	Michael Sullivan, Buffalo, N. Y.
C. F.	‡Detroit	2089	1307	284x64x20	1904	Grand Trunk Ry. Co., Windsor, Ont.
Tug	Devney, Jas. P.....	27	17	64x15x5	1890	Henry Leidheiser, Vermillion, O. (Abandoned.)
Str	Dewar, John D.....	52	41	72x15x 7	1885	Pere Marquette Line Steamers, Manistee, Mich.
Gas	Dewett	12	11	31x10x 3	1911	Carl Schroeder, Northport, Mich.
Str	Dewey	13	6	45x11x 4	1899	W. N. Grant, Fair Haven, N. Y.
Gas	Dewey, J. N.....	14	10	51x14x..	1911	J. N. Dewey & Co., Toledo, O.
Str	Diamond	16	10	49x11x 4	1902	John O. Plank, Fox Island, Mich.
Gas	Diana	25	20	60x12x 6	1906	E. C. Noe, Chicago, Ill.
Tug	Dickinson, Wm.....	78	49	78x19x11	1893	Great Lakes Towing Co., Cleveland, O.
Str	‡Dickson, Wm. B....7568		5712	580x58x32	1910	Pittsburg S. S. Co., Cleveland, O.
Gas	Dierssen, F.....	14	13	36x11x 4	1905	P. W. Galloway, Racine, Wis.
Tug	Dimick, Lorenzo....	42	21	65x16x10	1883	R. E. Evans, Cheboygan, Mich.
Str	‡Dinkey, Alva C....7514		5822	580x58x32	1908	Pittsburg Steamship Co., Cleveland, O.
Tug	Dittly, George	28	19	66x14x 5	1902	Lillian Mago, Tonawanda, N. Y.
Str	Dixie	50	31	72x13x 4	1904	W. W. Lefevre, Tustin, Wis.
Tug	Dixon, S. O.....	29	14	53x15x 7	1892	John Martin, Saginaw, Mich.
Str	Doctor	20	15	56x13x 6	1901	Simon Schacht, Erie, Pa.
Gas	Dodger	6	6	26x 8x 3	1905	Lee Woodard, Sturgeon Bay, Wis.
Gas	Doloma	43	29	65x14x 7	1907	A. W. Houpe, Grand Rapids, Mich.
Gas	Dolphin	11	10	31x10x 4	1903	Andrew P. Olson, Racine, Wis.
Gas	Dolphin	7	6	32x 8x 3	1908	Thomas J. Ramsdell, Manistee, Mich.
Gas	Dolphin	82	68	86x24x 7	1895	A. M. Chesbrough, Thompson, Mich.
Tug	Don	11	8	44x12x 4	1901	Joseph Fratus, Erie, Pa.
Tug	Donaldson, Geo. S..	13	7	44x14x 6	1883	Warren F. Warren, Tonawanda, N. Y.
Str	‡Donaldson, John A.4315		3110	380x50x28	1908	Valley S. S. Co., W. H. Becker, Mgr., Cleveland, O.
Str	Donaldson, Jas. P..	521	425	185x30x12	1880	W. H. Sharp, Bay City, Mich.
Gas	Donna	9	8	29x 8x 3	1904	F. H. Besserdick, Kewaunee, Wis.
Sty	‡Doozie	47	47	80x13x 4	1901	George Tebean, Chicago, Ill.
Gas	Dora	6	5	24x 8x 3	1903	Julius Helgason, Washington Harbor, Wis.
Gas	Dora	9	8	28x 9x 4	1909	Peter J. Fase, Grand Haven, Mich.
Str	Dormer, Grace	65	48	71x18x 6	1868	Pt. Huron & Sarnia Ferry Co., Port Huron, Mich.
Str	‡Dornbos, H. J.....	44	30	63x15x 8	1901	Wm. Ver Duin et al., Grand Haven, Mich.
Str	Dorothy	90	62	72x16x 5	1901	Geo. Moon, Buffalo, N. Y.
Gas	Dorothy	7	6	25x 8x 3	1910	Warren Price, et al., Leland, Mich.
Gas	Dorothy	5	5	27x 8x 4	1910	George Grosse, Little Suamico, Wis.
Gas	Dorothy A.....	9	8	28x10x 4	1906	Nelson Allie, Two Rivers, Wis.
Gas	Dorothy K.....	10	9	39x 9x..	1908	Kehl Bros., Northport, Mich.
Gas	Dorothy R.....	7	7	28x 8x 3	1906	William Reeler, Green Bay, Wis.
Gap	Douglas	10	10	41x11x 4	1905	Bert Hyet, Saugatuck, Mich.
Gas	Douglas	31	19	30x10x 4	1911	D. M. Gerber, Douglas, Mich.
Str	Douglas	230	123	120x23x16	1882	Capt. Harris W. Baker, Detroit, Mich.
Tug	Douglass	97	67	82x18x 8	1888	W. H. Sheldon, Lexington, Mich.
Dge	‡Doville, R. E	199	135	116x28x 7	1905	Doville Lake Sand & Gravel Co., Toledo, O.
Str	Downey, Robert	25	12	52x14x 7	1893	E. J. Hingston, Buffalo, N. Y.
Tug	Downs, Kittie	34	16	63x16x 6	1890	Breakwater Construction Co., Cleveland, O.
Tug	Dragon	28	14	63x15x 6	1866	Alexander Clifford, Detroit, Mich.
Tug	Dragon	28	14	63x15x 6	1866	R. E. Mosier, Cheboygan, Mich.
Gas	Drake	7	6	26x 8x 2	1904	Wm. L. Smith, Charlevoix, Mich.
Tug	Dreadnaught	31	15	70x15x 6	1881	Great Lakes Dredge & Dock Co., Chicago, Ill.
Sty	Dresden	30	18	61x10x 6	1899	George L. Clemons, Clemons, N. Y.
Tug	Drews, Fred	28	10	58x13x 6	1900	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	Driscoll, Fred	30	17	64x14x 5	1902	H. B. Kishman, Vermillion, O.
Str	Driscoll, J. H.....	27	19	60x15x 6	1907	Frederick Driscoll, Vermillion, O.
Sch	Dryad, nee Sea Gem	16	16	38x12x 6	1906	F. P. Burt, Chicago, Ill.
Tug	Duchess	30	24	68x13x 6	1889	Wm. P. Kavanaugh, Bay City, Mich.
Tug	Dudley, Joe D.....	37	18	65x15x 8	1865	D. E. Stevens, Duluth, Minn.
Str	‡Duluth	4623	3785	381x50x30	1903	Western Transit Co., Buffalo, N. Y.
Str	Duncan, John 1267		997	225x38x19	1891	H. J. Pauly, Milwaukee, Wis. Pittsburg Steamship Co., Cleveland, O.
Tug	Duncan City	179	89	104x14x 9	1883	Chicago Gravel Co., Chicago, Ill.
Str	Duncan, John 1267		997	225x38x17	1891	Canada Cement Transport Co., Montreal, Canada.
Str	‡Dunn, John, Jr.....6160		4802	504x58x30		

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Ltr	Dunford, Fred J....	273	259	127x31x10	1873	Pittsburg Coal Co., Cleveland, O. Rebuilt 1904.
Str	Dunham, J. S.....	4795	3644	420x52x28	1906	Chicago Navigation Co., Duluth, Minn.
Str	Dunkirk	71	37	69x17x11	1910	The Great Lakes Towing Co., Cleveland, O.
Str	Durkee, G. R.....	28	17	60x14x 5	1887	Peter Trudo, Saginaw, Mich.
Str	Durkee, G. R.....	28	17	60x14x 4	1887	A. L. Hart, Charlevoix, Mich. Rebuilt 1896.
Str	Duro	18	12	45x12x 3	1905	Wm. F. Kolbe, Erie, Pa.
Str	Duro	11	7	40x13x 3	1894	F. E. Smith, Cleveland, O.
Str	‡Durston, J. F.....	4791	3500	432x52x28	1908	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Dge	Dussault, D.....	55	39	76x18x 5	1886	Toledo Builders' Supply Co., Toledo, O.
Str	Dustin, A. C.....	...	....	525x58x31	1907	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Gas	Dutton, B. B.....	12	11	42x10x 6	1906	Bonne Iwena, Chicago, Ill.
Str	Duy, Robert M.....	26	13	53x14x 5	1870	H. M. Brown, Union Springs, N. Y.
Gas	D. Y. C. III.....	12	11	46x10x 4	1907	Detroit Yacht Club, Detroit, Mich.
	E					
Str	‡Eads, Jas. B.....	3746	2970	400x43x28	1894	Pittsburg Steamship Co., Cleveland, O.
Gas	Eagle	7	6	29x 9x 3	1906	Andrew Anderson, Marinette, Wis.
Gas	Eagle	13	10	30x 9x..	1908	Edward J. Widerman, Charlevoix, Mich.
Gas	Eagle	14	13	43x11x 6	1907	John Bruszer, Chicago, Ill.
Str	Eagle	14	9	50x10x 5	1905	Alfred G. Minor, Green Bay, Wis.
Tug	Eagle	16	11	47x14x 5	1903	Keystone Fish Co., Erie, Pa.
Str	Eagle	40	27	51x15x 7	1912	Edward G. Tews, Jr, Milwaukee, Wis.
Gas	Earl A.....	11	10	34x 9x 4	1908	Wm. C. Glandt, Two Rivers, Wis.
Str	‡Earling, E. J.....	6657	5140	535x55x31	1906	Franklin S. S. Co., D. Sullivan, Mgr., Chicago, Ill.
Tug	Earnshaw, F. O.....	33	16	54x14x 6	1886	Oscar L. Anderson, Chicago, Ill.
Stp	‡Eastern States	3077	1566	350x45x20	1902	D. & C. Navigation Co., A. A. Schantz, Mgr., Detroit, Mich.
Stp	‡Eastland	1961	1218	265x38x23	1903	Eastland Navigation Co., Cleveland, O.
Str	‡Easton	460	313	154x30x10	1896	Booth Fisheries Co., Chicago, Ill.
Str	Easton, R. P.....	19	13	46x14x 6	1896	Board of Public Works, Chicago, Ill.
Dge	E. B. No. 1.....	181	58	73x23x 5	1900	Edward Bros. Dredge Co., Sault Ste. Marie, Mich.
Gas	Eclipse	7	6	27x10x 4	1900	John Bauer, Sutton's Bay, Mich.
Gas	Eclipse	11	10	32x 9x 3	1908	Andrew N. Johnson, Chicago, Ill.
Tug	‡Ecorse	52	35	60x18x11	1908	Great Lakes Engineering Works, Detroit, Mich.
Str	Eddy, Charles A....	2075	1552	281x41x21	1889	Charles S. Neff, Milwaukee, Wis.
Str	Eddy, John F.....	1678	1252	259x37x22	1886	Tonawanda I. & S. Co., North Tonawanda, N. Y.
Str	‡Eddy, Selwyn	2846	2164	343x42x25	1893	The Lake Transit Co., Boland & Cornelius, Mgrs., Buffalo, N. Y.
Str	‡Edenborn, Wm. ...	5910	4531	478x52x30	1900	Pittsburg Steamship Co., Cleveland, O.
Bge	Edna	53	40	66x19x 5	1866	Hugh Cuthbertson, Algonac, Mich.
Tug	‡Edna G.....	154	67	92x23x 8	1896	Duluth & Iron Range Ry. Co., Duluth, Minn.
Str	Edson, C. R.....	40	27	64x16x 8	1889	American Construction Co., Cleveland, O.
Str	Edward James	82	56	73x19x10	1909	Great Lakes Dredge & Dock Co., Duluth, Minn.
Gas	Edna	7	6	25x10x 3	1905	Verner Greenfelt, Detroit Harbor, Wis.
Gas	Edna	9	7	35x 9x 5	1899	W. E. Priddy, Berrien Springs, Mich.
Gas	Edna A.....	24	11	52x13x 4	1912	S. Mortered Fish Co., Duluth, Minn.
Gas	Edna C.....	8	7	30x 8x 3	1905	F. S Seidl, Menominee, Mich.
Str	Edward C.....	41	28	62x17x 6	1912	Case Fish Co., Cleveland, O.
Gas	Edward K.....	9	8	33x10x 4	1909	Ray Dickinson, Green Bay, Wis.
Str	Edwards, Wm.....	1272	973	226x36x20	1879	Estate of Valentine Fries, W. C. Richardson & Co., Mgrs., Cleveland, O.
Tug	Effie B.....	43	24	72x17x 5	1896	Booth Fisheries Co., Chicago, Ill.
Tug	Effie L.....	41	28	63x17x 7	1875	Great Lakes Dredge & Dock Co., Chicago, Ill. Rebuilt 1900.
Str	Egan, Wiley M.....	1677	1380	252x40x22	1887	Pittsburgh & Erie Coal Co., George B. Taylor, Mgr., Erie, Pa.
Str	Elanor	9	6	34x10x 4	1904	Nels Nelson, Marinette, Wis.
Str	‡Elba	4963	3621	420x52x28	1907	Lackawanna Steamship Co., Pickands, Mather & Co., Mgrs., Cleveland, O.
Str	‡Elba	4963	3621	420x52x28	1907	Interlake Steamship Co., Cleveland, O.
Gas	Elbe	9	8	31x 9x 3	1900	John M. Hanrath, Frankfort, Mich.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Str	Elda	17	12	51x14x 4	1903	Stewart Kingston, Cheboygan, Mich. Formerly schooner; rebuilt 1912.
Gas	Eleanor	8	6	33x 7x 5	1912	Wm. Tregoning, Houghton, Mich.
Gap	Eleanor E.	8	7	27x 8x 4	1908	Wm. H. Ebert, Arcadia, Mich.
Dge	Elevator No. 11	135	92	87x34x..	1898	Lake Erie Dredging Co., Buffalo, N. Y.
Gyt	‡Elfay	84	73	86x21x12	1904	Russell A. Alger, Detroit, Mich.
Sty	‡Elfrida	146	99	123x18x10	1900	Wm. S. Webb, Shelburne, Vt.
Sty	‡Elgrudor	103	70	105x16x 8	1903	Spencer Kellogg, Buffalo, N. Y.
Str	Eliza	15	8	47x13x 5	1892	John Pasque, Bayfield, Wis.
Gas	Elizabeth	7	5	31x 8x 4	1907	John Johnson, Ludington, Mich.
Str	Elizabeth G.	24	18	56x13x 7	1892	Gerhard F. Lorentzssn, Sheboygan, Wis.
Tug	Elk	57	28	81x18x 7	1892	International Paper Co., Niagara Falls, N. Y.
Str	Ella	25	22	56x12x 6	1898	Phil Kegel, Chicago, Ill.
Str	Ella	15	13	55x10x 3	1874	E. S. Keeler, Alexandria Bay, N. Y.
Dge	Ella G.	116	109	108x27x 7	1882	David F. Doville, Toledo, O.
Gas	Ella H.	8	7	26x 9x 3	1910	John Hounsell, Ludington, Mich.
Gas	Ella W.	11	10	30x10x 4	1906	Edwin M. Carson, Manistique, Mich.
Gas	Ella W.	11	10	30x10x 4	1906	Alex. Goudreaux, Seul Choix Point (Gulliver P. O.), Mich.
Str	Ellen	349	194	121x31x 8	1893	Milwaukee Sand & Gravel Co., Chas. B. Roberts, President, Milwaukee, Wis.
Str	Ellen Gertrude	15	10	52x13x 5	1896	Oscar Hurkett, Oscoda, Mich.
Tug	Elliott, Clara A.	21	13	50x12x 5	1882	D. J. Martin, St. James, Mich.
F. B.	‡Elliott, James R.	210	114	110x25x12	1902	Fire Dept., Detroit, Mich.
Str	‡Ellwood, Isaac L.	5904	4526	478x52x30	1900	Pittsburg Steamship Co., Cleveland, O.
Tug	Elma	29	20	63x14x 5	1897	Daniel Elliott, Erie, Pa.
Gas	Elma	16	10	58x 7x 4	1905	Otto Geiger, Saginaw, Mich.
Gas	Elmasada	47	41	66x15x..	1909	Daniel Good, Buffalo, N. Y.
Gas	Elmasada II	123	83	100x16x 8	1912	Daniel Good, Buffalo, N. Y.
Tug	Elmer	31	16	61x16x 7	1882	Standard Contracting Co., Cleveland, O.
Str	Eloise	40	30	67x15x 6	1881	J. H. Logan, Waddington, N. Y.
Str	‡Elphicke, Mary C.	4998	3967	430x50x29	1901	Republic Transp. Co., M. A. Hanna & Co., Mgrs., Cleveland, O.
Str	Elsa M.	14	7	41x11x 4	1893	A. Allen, Kewaunee, Wis.
Gas	Elsie Marie	15	14	35x10x 6	1907	Ida J. Williams, Milwaukee, Wis.
Str	Elsie Nell	27	19	52x15x 6	1911	R. E. Smith, et al., Waukegan, Ill.
Tug	Elsie Nell	41	28	62x16x 8	1901	C. H. Starke Dredge & Dock Co., Milwaukee, Wis.
Str	Elva	81	61	71x18x17	1889	George T. Arnold, Mackinac Island, Mich.
Gas	Elvira M.	6	6	25x 8x 3	1907	Peter Moe, Pensaukee, Wis.
Gas	Elysian	8	6	32x10x..	1909	E. A. Arhenburg, Toledo, O.
Tug	E. M. B. A.	44	21	72x18x 8	1891	Booth Fisheries Co., Chicago, Ill.
Str	Emerald	297	181	140x30x10	1871	Anthony T. May, 397 Champlain St., Detroit.
Tug	Emerson, Geo.	35	17	61x15x 9	1884	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	Emery Temple	88	60	83x20x10	1886	Great Lakes Dredge & Dock Co., Duluth.
Str	Emery Temple	155	77	83x20x10	1886	
Gas	Emily	10	9	30x 8x 4	1910	George Laxford, Oconto, Wis.
Gyt	Emily	16	13	50x10x 4	1910	Homer C. Chapin, Chicago, Ill.
Gas	Emma	13	9	46x12x 3	1902	Roy Ranger, Charlevoix, Mich.
Gas	Emma B.	6	6	27x 9x 3	1901	Henry Boese, Green Bay, Wis.
Gap	Emma E.	13	11	33x10x 4	1911	W. E. Greilick, Traverse City, Mich.
Tug	Emmet, Robert	32	18	65x16x 6	1863	Henry J. Wachsmith, Bayfield, Wis.
Str	‡Empire City	4118	3268	406x48x28	1897	Pittsburg Steamship Co., Cleveland, O.
Gas	Empress	8	7	28x 8x 4	1910	Philip Rosser, Green Bay, Wis.
Str	Endress, C. W.	73	50	86x21x 8	1898	Booth Fisheries Co., Chicago, Ill.
Gas	Endress, Ora.	68	66	58x14x 6	1912	Emil G. Endress, Sault Ste. Marie, Mich.
Str	Engel, Wm.	47	32	63x17x 7	1901	W. J. Barnett, Kenosha, Wis.
Str	Engineer	174	59	91x20x10	1909	Corps of Engineers, U. S. Army, Milwaukee, Wis.
Str	‡England, R. W.	3887	2935	356x50x28	1904	Frank Seither, 3050 W. 20th St., Cleveland, O.
Tug	Enos, Jesse	23	16	55x14x 5	1888	W. G. Weil, Chicago, Ill.
Gap	Ensing	10	8	43x 9x 7	1907	George H. Hammond, Spring Lake, Mich.
Dge	Enterprise	419	354	121x40x..	1906	R. B. Knox, Duluth, Minn.
Str	‡Eocene	2209	1151	250x43x23	1911	Standard Oil Co., New York.
Gap	Epworth	7	6	31x 8x 4	1909	Peter Guberg, Ludington, Mich.
Gas	Eric M.	8	7	23x10x 4	1911	Erick Matson, St. Ignace, Mich.
Str	‡Ericsson, John	3200	2378	382x48x27	1896	Pittsburg Steamship Co., Cleveland, O.
Tug	Erie	21	10	56x14x 6	1888	The R. Bell Fish Co., Port Clinton, O.
Dge.	Erie	186	186	92x34x 6	1900	Duluth-Superior Dredging Co., Duluth, Minn.
Tug	Erie	43	30	60x16x 9	1897	Great Lakes Dredge & Dock Co., Chicago, Ill.

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Str	‡Erie	290	198	124x28x 7	1906	Erie Sand & Gravel Co., Erie, Pa.
Str	Erna	14	7	51x13x 5	1894	Nau Tug Line, Green Bay, Wis.
Str	Esther	15	10	38x10x 4	1901	Ernst Knack, Milwaukee, Wis.
Gas	Esther B.	18	16	34x11x 4	1911	Arthur Bett, Walker's Point, Mich.
Tug	‡Essayons	...	...	80x..x..	1908	Corps of Engineers, U. S. Army, Duluth, Minn.
Ltr	Essen, F. B.	334	324	158x31x..	1892	Harry Coulby, Cleveland, O.
Tug	Esser, Matt H.	34	23	57x15x 6	1900	Henry Burg, Erie, Pa.
Gas	Ethel	17	17	42x14x 5		H. L. Decker, Toledo, O.
Str	Ethel J.	9	9	..x..x..	1884	W. H. Labb, Houghton, Mich.
Gas	Ethel J.	12	9	44x11x 4	1911	Clarence Jackway, Grand River, O.
Str	Ethel J.	21	10	60x14x 6	1907	Fred Winters, Duluth, Minn.
Gas	Ethel K.	21	10	60x14x 6		O. W. Krunland, Superior, Wis.
Gas	Ethel M.	9	8	34x10x 4	1909	W. G. Mackie, Green Bay, Wis.
Gas	Ethel M.	12	11	34x10x 4	1909	Wm. G. Mackie, Green Bay, Wis.
Gas	Eugene	10	10	28x 9x 4	1906	Charles C. Heald, Sturgeon Bay, Wis.
Gay	Eunice K.	7	6	27x 8x 4	1911	Wm. J. Kernon, Green Bay, Wis.
Gas	Eureka	7	7	26x 8x 4	1910	Alfred Vanden Brook, Green Bay, Wis.
Tug	Evans, J. C.	79	24	82x17x 8	1876	Great Lakes Towing Co., Cleveland, O.
Tug	Evans, J. J.	14	7	45x12x 6	1881	John H. Riley, Menominee, Mich.
Gas	Evening Star	31	26	69x14x 5	1905	John Fisher, Chicago, Ill.
Str	‡Ewig, H.	62	42	70x16x 9	1901	Emil Ewig, Port Washington, Wis.
Str	Excelsior	229	129	116x25x14	1876	Detroit, Belle Isle & Windsor Ferry Co., Detroit, Mich.
Tug	Excelsior	73	36	72x19x11	1892	Great Lakes Towing Co., Cleveland, O.
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Tug	Fabian	72	36	70x19x11	1894	Great Lakes Towing Co., Cleveland, O.
Str	‡Fairbairn, Sir Wm	4219	3181	425x46x28	1896	Pittsburg Steamship Co., Cleveland, O.
Tug	Fairmount	59	30	75x17x 9	1894	Burke, Smith, Nelson & Cluchey, Muskegon, Mich.
Bge	Faith	705	684	120x38x10	1906	Western Transit Co., Buffalo, N. Y.
Gay	Falcon	7	6	26x10x 4	1911	H. S. Hurlbut, Racine, Wis.
Sty	‡Falcon	82	60	90x17x 7	1887	James F. Finlay, Toledo, O.
Ker	Fall, E. H.	14	11	42x13x..	1909	Geo. B. Thatcher, Toledo, O.
Tug	Fanchon	13	6	45x12x 5	1879	Henry Johnson, Bayfield, Wis.
Gas	Fannie A.	10	10	41x12x 4	1906	Morris Alpern, Alpena, Mich.
Str	Fannie H.	16	11	55x13x 4	1890	U. S. Engineering Dept., Washington, D. C.
Tug	Farragut	14	7	44x12x 5	1868	Beaubien Ice & Coal Co., Detroit, Mich.
Str	‡Farrell, James A.	7705	5967	580x58x32	1913	The Pittsburg Steamship Co., Cleveland, O.
Str	Fashion	48	26	64x16x 8	1889	J. J. Miller, Duluth, Minn.
Str	Faustin	256	166	123x24x10	1882	John N. Mullen, Windsor, Ont.
Tug	Favorite	9	6	47x12x 4	1894	B. N. Parsons, Vermilion, O.
Gas	Favorite	9	8	33x11x..	1909	A. M. McEachren, Cleveland, O.
Str	Favorite	155	105	110x33x..	1909	Magnus Beck Brewing Co., Buffalo, N. Y.
Tug	‡Favorite	1223	691	180x43x20	1907	Great Lakes Towing Co., Cleveland, O.
Str	Fawn	24	16	60x10x 5	1896	Edmund Lehmann, Appleton, Wis.
Gas	Fawn	7	6	33x 9x 4	1906	William Richoldt, Sturgeon Bay, Wis.
Str	Fearless	28	17	59x15x 7	1893	E. A. Sonneman, Sheboygan, Wis.
Gay	F. C. L.	7	7	28x10x 4	1907	F. C. Leisch, Green Bay, Wis.
Str	Ferris, Charley	54	27	69x17x10	1884	Barnett Record Co., Duluth, Minn.
Tug	Field, O. M.	29	17	67x14x 7	1882	Henry T. Burgard, Buffalo, N. Y.
Str	Field, William A.	114	61	71x20x12	1909	Great Lakes Towing Co., Cleveland, O.
Str	‡Filbert, Wm. J.	7962	6189	585x60x32	1906	Pittsburg S. S. Co., Cleveland, O.
Str	Fire Queen	47	9	64x17x 5	1893	L. F. Monroe, Chicago, Ill.
Str	‡Fisher, Erwin I.	1184	805	220x40x15	1910	The Argo S. S. Co., E. L. Fisher, Mgr., Cleveland, O.
Tug	‡Fischer, S. M.	628	427	140x31x22	1896	Reid Wrecking Co., Port Huron, Mich.
Gas	Fish Hawk	6	5	25x 9x 3	1909	John A. Jackson, Traverse City, Mich.
Gas	Fisher	9	7	29x 8x 3	1905	Cora D. Cummings, Oconto, Wis.
Tug	Fisherman	18	9	54x12x 5	1880	Wm. P. Robertson, Northport, Mich.
Str	‡Fitch, Wm. F.	3629	2632	346x48x28	1902	Franklin Transit Co., J. S. Ashley, Sec., Cleveland, O.
Str	Fitzgerald, R. P.	1681	1175	256x38x21	1887	Pittsburg & Erie Coal Co., George B. Taylor, Mgr., Erie, Pa.
Str	‡Fitzgerald, W. E.	4940	3701	420x52x28	1906	Chicago Nav. Co., D. Sullivan, Mgr., Chicago, Ill.
Str	‡Fitzgerald, Richard.	167	140	82x22x12	1912	Chicago Lighterage Co., Chicago, Ill.
Str	Fix, Clarence	89	61	81x18x 7	1908	Fix Bros., Buffalo, N. Y.
Gas	Fix It.	15	14	37x11x 4	1908	C. E. Weaver, Ogdensburg, N. Y.

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Str	‡Flagg, G. A.	3062	2128	318x42x27	1901	Calumet Trans. Co., J. S. Ashley, Sec., Cleveland, O.
Str	Fleetwood	1687	1175	265x40x21	1887	Tonawanda Iron & Steel Co., N. Tonawanda, N. Y.
Str	Fletcher, F. W.	495	314	161x32x11	1891	J. O. Nessen & Co., Manistee, Mich.
Stp	Flora	561	455	174x28x11	1875	Saginaw Valley S. S. Co., Saginaw, Mich.
Gas	Flora V.	6	6	29x10x 3	1886	Charles Paull, South Haven, Mich.
Sty	Florence	26	13	71x14x 4	1869	George Heffran, Grand Rapids, Mich.
Gas	Florence	10	9	31x 8x 3	1909	Inland Creek Coal Dock Co., Superior, Wis.
Gas	Florence	10	9	27x 9x 3	1907	Edward C. Swaer, Pensaukee, Wis.
Gyt	Florence II.	16	15	45x11x 4	1909	W. H. Sampson, Chicago, Ill.
Gay	Florence II.	9	8	29x 9x 7	1910	A. L. Bachaut, Traverse City, Mich.
Gyt	Floretta	25	22	50x12x 3	1907	J. N. Tittemore, Oshkosh, Wis.
Gyt	Florida	31	31	46x12x 4	1907	Robert D. Palmer, Columbus, O.
Gas	Flotilla	12	11	41x12x 4	1891	Ole Christianson, Detroit Harbor, Wis.
Str	Flower, Roswell P.	1593	1165	264x38x21	1887	Milwaukee Steamship Co., 309-311 Florida St., Milwaukee, Wis.
Cbt	Follette, Nellie	123	76	93x17x 9	1910	Wm. H. Follette, Tonawanda, N. Y.
Str	Follette, James W. (nee Jesse H. Farwell.)	1200	997	212x35x21	1881	W. H. Follette, Tonawanda, N. Y.
Str	Ford, J. C.	710	597	172x33x20	1889	Nipigon Transit Co., Grosse Point, Mich.
Tug	Forelle	46	31	54x16x 7	1908	Cornelius Tamms, Milwaukee, Wis.
St.s.	Forelle	46	31	55x16x 7	1908	Cornelius Tamms, Milwaukee, Wis.
Str	Fort Meigs	138	87	116x32x 6	1901	Maumee River Nav. Co., Toledo, O.
Str	Fortuna	23	16	43x13x 6	1911	Frank Tilley, Milwaukee, Wis.
Str	Foster, A.	93	85	79x24x 5	1899	Fremont Pressed Brick Co., Fremont, O.
Str	Foster, I. N.	355	277	135x26x12	1872	Sturgeon Bay Stone Co., Sawyer, Wis.
Str	‡Foster, Parks	1729	1475	262x39x19	1889	National Steamship Co., 337 Postal Tel. Bldg., Chicago, Ill.
Gas	Fountain Bros.	9	8	29x10x 3	1908	Joseph Fountain, St. Ignace, Mich.
Gas	Four Brothers	12	11	36x10x 4	1908	Clinton D. Spoor, Waukegan, Ill.
Tug	Fox, Wm. G.	32	16	58x15x 7	1875	Wm. G. Fox, Buffalo, N. Y.
Gas	Fox	9	9	38x11x 4	1896	Wm. H. Brown, Ludington, Mich.
Gas	Fram	7	6	27x 8x 3	1910	Chris Ness, Frankfort, Mich.
Gas	Francis S.	8	7	28x10x 3	1891	George E. Thompson, Cheboygan, Mich.
Gas	Francis V.	6	6	25x 8x 3	1905	John Verhagen, Green Bay, Wis.
Tug	‡Frank, W.	93	46	75x19x12	1891	Great Lakes Towing Co., Cleveland, O.
Tug	Frank & Jim	26	18	58x14x 6	1903	Nelson C. Tibbitts, Erie, Pa.
Str	Frank S., Jr.	23	16	59x13x 5	1891	F. H. Jones, Vermillion, O.
Str	‡Franz, nee Uranus.	3748	2496	346x48x28	1901	Algoma Central Steamship Cons. Co., Sault Ste. Marie, Mich.
Str	‡Frater, nee Saturn.	3717	2772	346x48x28	1901	Algoma Central Steamship Co., Sault Ste. Marie, Ont.
Tug	Fred B.	17	8	48x14x 5	1889	Fletcher Paper Co., Alpena, Mich.
Str	Freemont	90	90	112x20x 5	1900	O. C. Hartman, Duluth, Minn.
Str	‡French, G. Watson	3883	3064	356x50x28	1903	Republic Transp. Co., M. A. Hanna & Co., Mgrs., Cleveland, O.
Str	Friant, Thomas	70	48	96x18x 6	1884	John H. Hickler, Sault Ste. Marie, Mich. Rebuilt 1911.
Str	‡Frick, Henry C.	6490	5016	549x56x31	1905	Pittsburg Steamship Co., Cleveland, O.
Gyt	Frolic	16	11	45x10x 4	1910	Ralph Ware, Chicago, Ill.
Str	‡Frontenac	2003	1676	270x40x24	1889	Cleveland Cliffs Iron Co., Cleveland, O.
Gas	Frost	9	8	38x12x 5	1908	M. Peterson, Erie, Pa.
Str	Fryer, Robert L.	1810	1451	281x42x22	1888	Martha H. Gratwick, Buffalo, N. Y.
Sty	Fullerton, J. C.	31	18	58x10x 5	1888	Fix Bros., Buffalo, N. Y.
Str	Fuller	13	9	41x12x 3	1889	J. C. Miller, Marine City, Mich.
Str	‡Fulton, Robert	4219	3181	424x46x28	1896	Pittsburg Steamship Co., Cleveland, O.

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Sty	‡Galatea	157	106	128x17x11	1906	E. L. Ford, Detroit, Mich.
Gyt	Galatea	18	12	43x 9x 5	1903	E. G. Jackson, Winneconne, Wis.
Gas	Galivan, C. W.	12	10	54x15x 4	1906	Buffalo Dredging Co., Buffalo, N. Y.
Str	Garland	248	171	107x29x12	1880	Detroit, Belle Isle & Windsor Ferry Co., Detroit, Mich.
Str	‡Garretson, Gen.	6765	5371	520x54x31	1906	The Wilson Transit Co., Cleveland, O.
Str	‡Gary, Elbert H.	6331	4988	557x56x26	1905	Pittsburg Steamship Co., Cleveland, O.
Tug	Gary	71	36	73x15x10	1912	Great Lakes Towing Co., Cleveland, O.
Str	‡Gates, John W.	5946	4440	478x52x30	1900	Pittsburg Steamship Co., Cleveland, O.
Str	‡Gayley, James	4777	3359	416x50x28	1902	Mitchell & Co., Cleveland, O. Lost.

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Sty	Gazelle	36	18	64x13x 6	1878	Robert H. Luckes, Sault Ste. Marie, Mich. (Rebuilt 1905.)
Tug	Geiken, Frank P.	35	22	69x15x 7	1891	Olaf Nordrum, Agt., Charlevoix, Mich.
Tug	Gem	14	10	39x10x 4	1882	Altin B. Tyler, Dunkirk, N. Y.
Str	Gem	62	28	70x18x 8	1898	Empire Limestone Co., Buffalo, N. Y.
Sty	‡Genesee	212	171	110x27x14	1900	Jas. S. Watson, Rochester, N. Y.
Gas	Genevieve	10	10	29x 9x 3	1907	John W. Campshure, Green Bay, Wis.
Tug	George Edward	...	...	15x..x..	1909	Reger & Werner, Lorain, O.
Gas	George and How.	8	8	27x10x 3	1891	F. M. Streeter, Boyne City, Mich.
Str	George N.	10	7	54x11x 3	1905	Stewart Ten Eyck, Sault Ste. Marie, Mich.
Gas	George R.	9	8	30x 9x 4	1906	John Pallister, Sturgeon Bay, Wis.
Str	Georgetown	1358	919	243x40x18	1900	Atlantic Coast S. S. Co., New York, N. Y.
Stp	Georgia	895	393	196x35x20	1880	Goodrich Trans. Co., Chicago, Ill.
Sty	Gerald, C.	36	18	62x14x 7	1893	Bense Fish Co., Port Clinton, O.
Gas	Gerald D.	9	8	41x11x 5	1907	Clyde C. Shaw, Erie, Pa.
Str	‡German	2348	1875	296x40x25	1890	Pittsburg Steamship Co., Cleveland, O.
Str	Germania	88	44	90x19x 9	1880	Lake Champlain Trans. Co., Whitehall, N. Y.
Gas	Gertrude	8	7	25x 8x 3	1902	Amos Youngs, Oconto, Wis.
Gas	Gervase A.	13	12	33x10x 5	1909	Allie Eugene, Two Rivers, Wis.
Str	Gettysburg	837	464	208x37x15	1887	Alger Smith & Co., Detroit, Mich.
Tug	Giant	10	5	36x13x 4	1883	Davidson Steamship Co., Duluth, Minn.
Str	Gifford	63	43	69x20x 8	1901	Chicago Lumber Co., Manistique, Mich.
Str	‡Gilbert, W. H.	2820	2200	328x42x24	1892	Pittsburg Steamship Co., Cleveland, O.
Tug	Gillen, Edward	57	28	69x18x10	1891	Great Lakes Dredge & Dock Co., Chicago.
Tug	Gillett, F. W.	28	14	54x15x 7	1869	W. M. Jeffery, Duluth, Minn.
Tug	Gladiator	207	87	115x22x12	1871	Duluth-Superior Dredging Co., Duluth, Minn. (Rebuilt in 1896.)
Str	Gladstone	2453	1913	283x40x23	1888	M. A. Bradley, Cleveland, O. (Rebuilt 1901.)
Str	Gladys	6	5	46x11x 2	1903	C. C. Moore, Muskegon, Mich.
Gas	Gladys	8	7	27x 8x 3	1904	Berend Andersen, Detroit Harbor, Wis.
Gas	Gladys	8	7	30x 9x 4	1908	F. A. Dennett, Sheboygan, Wis.
Gas	Gladys	11	10	28x 9x 3	1903	Frank M. Livermore, Pensaukee, Wis.
Gas	Gladys G.	10	9	27x 9x 3	1908	Booth Fisheries Co., Chicago, Ill.
Str	Glenn	277	199	108x22x17	1889	Chicago & South Haven S. S. Co., South Haven, Mich.
Gas	Globe	12	9	43x11x..	1911	John Ketting, Toledo, O.
Tug	Godfrey, L. B.	32	16	63x15x 7	1881	Conrad Niederman, Milwaukee, Wis. (Abandoned.)
Str	Gogebic	1680	1312	227x40x19	1887	H. W. Baker, Detroit, Mich.
Gas	Golden	9	9	34x 9x 4	1904	August F. Koch, Two Rivers, Wis.
Tug	Golden	44	22	64x18x 8	1882	C. H. Starke Dredge & Dock Co., Milwaukee, Wis.
Gas	Golden Girl	14	10	49x11x..	1909	Elizabeth Eaglesfield, Grand Rapids, Mich.
Str	Gordon, R. J.	280	202	103x23x 8	1881	W. S. Shaw, Boyne City, Mich.
Gas	Gordon, T.	7	6	33x 9x 3	1911	Otto G. Topel, Pensaukee, Wis.
Gas	Gorilla	11	10	31x 9x 4	1902	John Lain, Jr., Kewaunee, Wis.
Gas	Gotland	8	7	28x 8x 4	1906	Oscar Peterson, et al., Frankfort, Mich.
Str	Gould, E. F.	261	248	137x28x 8	1875	Effie Baker, Detroit, Mich.
Str	‡Gould, Geo. J.	3237	1790	266x41x26	1893	Erie Railroad Lake Line, Buffalo, N. Y.
Str	Gould, Jay.	840	523	213x33x11	1869	Thos. L. Handy, Bay City, Mich.
Str	‡Goulder, Harvey D	6617	5219	525x55x31	1906	Continental Steamship Co., G. A. Tomlinson, Mgr., Duluth, Minn.
Tug	‡Goulder, Harvey D	156	78	78x23x12	1898	Great Lakes Towing Co., Cleveland, O.
Str	Gowan, Albert Y.	266	176	124x26x14	1888	Kelley Isl. Lime & T. Co., Cleveland, O.
Bge	Grace	51	51	70x16x..	1898	E. P. Rector, Pt. Peninsula, N. Y.
Gas	Grace	7	7	28x 9x 3	1901	A. J. Gordon, Sturgeon Bay, Wis.
Gas	Grace J.	24	17	52x14x 5	1903	H. Christiansen, Duluth, Minn.
Gas	Grace M.	12	11	32x 9x 3	1909	John McCann, St. James, Mich.
Gas	Grace W.	11	9	38x 9x..	1906	George Waters, Jr., Frankfort, Mich.
Sch	Graham, Lucy	61	58	74x19x 6	1867	Mary Goodlet, Washington Harbor, Wis.
Str	Graham	40	11	66x16x 7	1891	Fitzsimmons & Connell Dredging & Dock Co., Chicago, Ill.
Sty	Graham, May	91	91	95x16x 3	1879	Crosby Transportation Co., Milwaukee, Wis.
Str	‡Grammer, G. J.	4471	3703	434x48x28	1902	Seither Transit Co., 3050 W. 20th St., Cleveland, O.
C. F.	‡Grand Haven	2320	1678	306x54x20	1903	Grand Trunk Milwaukee Car Ferry Co., Milwaukee, Wis.
Str	Grand Island	222	151	102x29x11	1910	Buffalo & Grand Island Ferry Co., Buffalo, N. Y.
Str	‡Grandon	47	33	60x17x 7	1893	Mrs. Wm. Freyensee, Sandusky, O.

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Bge	Grant, Levi	204	194	127x27x 8	1872	Wilbur Anderson, Marinette, Wis.
F. B.	‡Grattan, W. S.	268	141	106x24x12	1900	Buffalo Fire Dept., Buffalo, N. Y.
Str	‡Gratwick, Wm. H.	4776	3352	416x50x28	1902	John Mitchell, Cleveland, O.
Gas	Gray Hazel	10	9	29x 9x 3	1906	A. C. Sheppe, Freedom, Mich.
Tug	Grayling	15	7	44x12x 5	1889	Carkin, Stickney & Cram, Detroit, Mich.
Tug	Grayling	17	8	54x14x 5	1876	George Pomeroy, et al., St. Ignace, Mich.
Gas	Great Eastern	16	11	39x11x 3	1909	S. A. Allis, et al., Chicago, Ill.
Tug	‡Green, Andrew	115	55	86x21x10	1911	Great Lakes Dredge & Dock Co., Chicago, Ill.
Tug	‡Green, Andrew H.	115	55	86x21x11	1911	Great Lakes Dredge & Dock Co., Chicago, Ill.
Gas	Green Dragon	17	13	49x10x 4	1901	John S. Curtis, Erie, Pa.
Tug	Green, G. R.	18	12	48x11x 5	1871	Elmer E. Cook, et al., Cheboygan, Mich.
Tug	Green, O. B.	57	28	72x17x 9	1881	Great Lakes Towing Co., Cleveland, O.
Str	Greene, C. H.	700	504	197x33x16	1881	John W. Robinson, N. Tonawanda, N. Y.
Str	Greene, M. T.	523	422	155x30x12	1887	Erie & Mich. Ry. Nav. Co., Chicago, Ill.
Stp	‡Greyhound	1392	748	276x38x15	1902	White Star Line, Detroit, Mich.
Bge	Grey Oak	290	277	133x31x 9	1885	Western Transit Co., Buffalo, N. Y.
Str	‡Griffin	1879	1526	266x38x23	1891	Pittsburg Steamship Co., Cleveland, O.
Str	Groh, Mary	139	69	112x22x 8	1873	Buckeye Lake Sand Co., Sandusky, O., A. B. Meyer, Mgr.
Tug	Grover, Cris	56	28	69x18x10	1893	Great Lakes Towing Co., Cleveland, O.
Str	Gryphon	28	19	82x10x 7	1890	C. D. Miller, Poughkeepsie, N. Y.
Str	Gryphon	28	19	82x10x 7	1890	C. D. Miller, Poughkeepsie, N. Y.
Gas	Guess	6	5	31x11x 3	1894	Lucas Nuber, Marblehead, O.
Gas	Guess	8	7	31x10x 4	1911	W. F. Van Anrooy, Holland, Mich.
Str	Gull	24	16	54x13x 6	1900	Ranney Fish Co., Cleveland, O.
Tug	Gunderson Bros.	46	23	75x14x 8	1892	G. A. Allmendinger, Benton Harbor, Mich.
Str	‡Gunnell, E.	688	468	162x35x10	1912	Lake Sand Co., Chicago, Ill.
Str	Gust, Henry	37	18	61x16x 7	1893	John W. Cornell, Detroit, Harbor, Wis.
Gas	Guy H.	8	6	26x 8x 2	1908	Anthony Hamel, Pederville, Mich. Charles E. Larson, Marinette, Wis.
Gas	Gwa-go-li	12	11	...x..x..		
Gas	Gypsey	14	10	45x10x 4	1911	Frank Perry, Sault Ste. Marie, Mich.
Gas	Gypsey Joe	17	14	70x10x 6	1905	Russell A. Alger, Jr., Detroit, Mich.

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Tug	‡Hackett, Francis B.	194	126	96x24x..	1909	Hackett Towing & Wrecking Co., Amherstburg, Ont.
Tug	Hackley, J. H.	45	22	62x16x 9	1874	Great Lakes Towing Co., Cleveland, O.
Sty	‡Halcyon	161	109	125x18x11	1907	Frank J. Hecker, Detroit, Mich.
Gas	Halcyon	12	8	38x10x..	1906	H. D. Follis, Toledo, O.
Tug	Hall, Ellen	9	6	29x 8x..	1896	Isaac Van Weelden, Grand Haven, Mich.
Str	Hall, Henry B.	1152	962	213x..	1881	Geo. Hall Co., Ogdensburg, N. Y.
Str	Hall, Fred B.	9	6	45x11x 4	1883	J. F. Johns, Duluth, Minn.
Gas	Hall, James H.	100	99	91x22x 7	1885	Samuel H. Newman, Algoma, Wis.
Tug	Halladay, Chas.	48	24	59x17x 9	1881	Great Lakes Towing Co., Cleveland, O.
Str	Hammel, Julia C.	28	19	55x15x 6	1893	Herman Luebke, Two Rivers, Wis.
Dge	‡Handy Andy	471	422	95x44x..	1905	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.
Gas	Handy	12	10	40x13x..	1901	Wm. Thormahlau, Bay City, Mich.
Str	‡Hanna, D. R.	7023	5491	532x56x31	1906	Pioneer Steamship Co., Hutchinson & Co., Mgrs., Cleveland, O.
Str	‡Hanna, Howard M., Jr.	5905	4413	480x54x30	1908	Hanna Transit Co., W. C. Richardson, Mgr., Cleveland, O.
Str	‡Hanna, Leonard C.	6356	4922	504x54x30	1905	Mahoning S. S. Co., J. S. Ashley, Mgr., Cleveland, O.
Str	‡Hanna, M. A.	4661	3116	410x50x29	1899	John Mitchell, Cleveland, O.
Gas	Hannah B.	10	9	28x 8x 3	1903	B. P. Anderson, Northport, Mich.
Gas	Hannah T.	9	7	28x 9x..	1907	Gerrit J. Tromp, Muskegon, Mich.
Scy	Harbinger	45	43	67x19x 8	1884	Julius R. White, Rochester, N. Y.
Tug	‡Harding, Abner C.	98	34	74x20x12	1907	Great Lakes Towing Co., Cleveland, O.
Tug	Harlem	26	13	43x14x 7	1890	George A. Walker, Buffalo, N. Y.
Str	Harlow	575	482	194x35x12	1891	W. J. Harlow, Toledo, O. (Rebuilt.)
Gas	Harold	9	8	34x10x..	1904	A. Booth & Co., Charlevoix, Mich.
Gas	Harold	11	10	30x 9x 4	1907	Knut Paulson, Manistique, Mich.
Str	Harold	15	7	41x12x 6	1882	George A. Walker, Buffalo, N. Y.
Gas	Harold B.	9	7	30x 9x 4	1902	A. Borg, et al., Ludington, Mich.
Tug	Harold J.	23	21	64x16x 7	1901	Frank E. Eschbacher, Erie, Pa.
Str	Harper, John	1951	1632	298x40x20	1890	Capt. W. J. Willoughby and J. Baxter, Windsor, Ont.

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Str	Harriet L.....	19	13	58x12x 6	1906	Edward Fowler, Green Bay, Wis.
Str	Harriet M.....	11	8	51x11x 3	1897	Louis Slater, Frankfort, Mich.
Gay	Harriett	8	7	29x 8x 4	1908	H. M. Chase, Green Bay, Wis.
Tug	Harris, Joe	66	33	72x18x10	1873	Great Lakes Towing Co., Cleveland, O.
Str	Harrison, Carter H.	30	20	71x16x 5	1901	James Rolson, Chicago, Ill.
Str	Harrow, W. G.....	84	42	85x19x 9	1893	Booth Fisheries Co., Chicago, Ill.
Str	Hart, Eugene C.....	522	470	152x25x18	1890	Arnold Transit Co., Mackinac Island, Mich.
Str	‡Hart, Frank W.....4307		3374	380x50x28	1902	G. A. Tomlinson, Duluth, Minn.
Str	‡Hartwell, Fred G..6223		4865	504x58x30	1908	Mutual S. S. Co., G. A. Tomlinson, Mgr., Duluth, Minn.
Str	‡Harvard 5054		4061	461x50x29	1900	Pittsburg Steamship Co., Cleveland, O.
Tug	‡Harvard	75	51	72x17x 8	1907	Great Lakes Towing Co., Cleveland, O.
Str	‡Harvester 7188		5690	525x58x31	1911	Wisconsin Steel Co., Chicago, Ill.
Gas	‡Harvester	106	105	82x24x 5	1910	International Harvester Co., Chicago, Ill.
Gas	Harvey G.....	14	12	36x11x 4	1903	John Goudreaux, Seaul Chox Point, (Gulliver P. O.), Mich.
Gas	Harvey	8	7	40x 9x 4	1908	John Harvey, Chicago, Ill.
Str	‡Harvey	81	55	71x16x 8	1910	Ernst Schneidewind, Sheboygan, Wis.
Gas	Harvey G.....	14	12	36x11x 4	1903	John Goudreaux, Seul Chox Point (Gulliver P. O.), Mich.
Str	Haskell, Wm. A...1530		1440	240x37x25	1884	Rutland Trans. Co., Ogdensburg, N. Y.
Str	Hassayampa	64	25	60x18x18	1910	Edward Bros. Dredge Co., Sault Ste. Marie, Mich.
Str	‡Hausler, M. G.....	609	414	154x35x10	1910	Lake Sand Co., Chicago, Ill.
Tug	Hausler, M. G.....	73	36	72x18x 9	1893	Commissioners of Lincoln Park, Chicago, Ill.
Scy	Hawthorne	29	28	63x15x 7	1893	John McConnell, Chicago, Ill.
	Hawgood, H. B.....4655		3386	414x50x28	1903	The Acme Transit Co., Cleveland, O.
Tug	Hay, James	35	22	56x16x 8	1879	Louis Sands Salt & Lumber Co., Manistee, Mich.
Stp	Hayes, R. B.....	164	82	134x21x 7	1876	G. A. Boeckling, Sandusky, O.
Tug	Haynes, F. J.....	27	19	50x14x 8	1895	Beaubien Ice & Coal Co., Detroit, Mich.
Str	Hazard, W. A..... 372 (nee John Schroeder)		267	155x30x12	1890	S. C. McLouth, Marine City, Mich.
Str	Hazel	66	45	87x18x14	1896	August Schmidt, Jr., Sandusky, O.
Gas	Hazel	6	6	24x 8x..	1908	Medard Rommel, Frankfort, Mich.
Tug	Hazel	11	7	40x 9x 5	1893	I. H. Maxim, Ashland, Wis.
Gas	Hazel C.....	6	6	25x 8x 3	1906	Teleaphor Coel, Green Bay, Wis.
Gas	Hazel H.....	11	8	36x11x 5	1910	H. M. Haskins, Ashtabula, O.
Gas	Hazel Jeanette	17	16	36x11x 4	1910	Hannes Johnson, Washington Harbor, Wis.
Gay	H. B. D.	13	12	39x10x 4	1908	H. A. Ausorge, Green Bay, Wis.
Stp	Heath, A. R.....	48	42	73x18x 4	1901	M. E. Pearman, South Haven, Mich.
Str	‡Hebard, Chas. S....6291		4854	504x54x30	1906	Wilson Transit Co., Cleveland, O.
Str	Hebard, Daniel L...	159	79	98x22x 9	1875	Chas. S. Hebard, Pequaming, Mich.
Tug	Hebard, Robert H..	65	32	68x18x11	1889	Great Lakes Towing Co., Cleveland, O.
Tug	Hebard, R. H.....	14	6	40x12x 6	1882	Frank Roneker, Jr., Tonawanda, N. Y.
Str	Hecla 1110		909	224x34x19	1882	Geo. Hall Coal Co., Ogdensburg, N. Y.
Str	‡Heffelfinger, F. T...4897		3630	430x50x29	1901	Peavey Steamship Co., G. A. Tomlinson, Mgr., Duluth, Minn.
Gas	Helen	6	5	29x 9x 3	1911	John M. Olson, Pensaukee, Wis.
Gas	Helen O.....	14	9	41x11x 4	1912	E. Hanks, Chicago.
Gas	Helen B.....	11	11	31x 9x 4	1905	George Bohman, Algoma, Wis.
Gas	Helen B.....	19	14	49x12x..	1909	Guy L. Boswell, St. Joseph, Mich.
Gas	Helen C.....	6	6	24x 8x 3	1874	John Smith, et al., Manistee, Mich.
Str	Helen C.....	622	460	186x35x13	1907	Charles H. Wilson, Sturgeon Bay, Wis.
Gas	Helena	14	13	33x10x 5	1901	Cornelius Olson, Marinette, Wis.
Str	Helena 2083		1579	275x42x20	1888	Armour Grain Co., Chicago, Ill.
Tug	Helene	24	12	63x14x 6	1883	Ranney Fish Co., Cleveland, O.
Scy	Helene	28	28	53x17x 6	1895	Wm. A. Stace, Rochester, N. Y.
Tug	Helm, D. T.....	64	32	68x18x10	1893	Great Lakes Towing Co., Cleveland, O.
Str	‡Hemlock 4796		3501	420x52x28	1907	Interlake Steamship Co., Cleveland, O.
Str	Hennepin	990	639	208x35x12	1888	Lake Shore Stone Co., Milwaukee, Wis. (Rebuilt 1902.)
Sty	Hennes, Annie R...	47	37	60x13x 6	1884	L. Hennes, Houghton, Mich.
Bge	Henrietta	113	113	126x28x..	1879	Chas. R. Maples, Duluth, Minn.
Str	Henry	30	16	61x15x 7	1876	M. A. Callaghan, Cleveland, O.
Gas	Henry C.....	7	6	31x10x 4	1906	Joseph M. Bell, Port Clinton, O.
Str	Henry W.....	81	44	72x21x 9	1912	Lake Superior Towing Co., Bayfield, Wis.
Tug	‡Herbert	55	37	68x15x..	1908	C. Mollhagen & Co., St. Joseph, Mich.
Gas	Heron, Leona	14	12	35x10x 5	1908	George L. Dahlen, Chicago, Ill.
Tug	Hermann, G. M. A..	34	17	61x15x 7	1891	Henry Schroeder, Kewaunee, Wis.

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Gas	Hiawatha	5	5	25x 7x 3	1907	Emil Nelson, Elleson Bay, Wis.
Stp	Hill, Flora M.	623	353	130x26x19	1874	Hill Steamboat Line, Kenosha, Wis. Rebuilt
Gas	Hilda	8	6	29x 9x 4	1909	G. E. Strom, Chicago, Ill. 1910.
Tug	Hilda	23	16	42x11x 6	1910	John Kriehn, Two Rivers, Wis.
Gas	Hilda H.	10	8	31x 9x 4	1906	A. Holmstrom, Ludington, Mich.
Str	‡Hill, James J.	6025	4578	478x52x30	1900	Pittsburg Steamship Co., Cleveland, O.
Tug	Hill, L. P.	22	11	59x15x 6	1889	Patrick Chambers, Fish Creek, Wis.
Gas	Hilma A.	8	7	27x 8x 3	1906	Charles Addison, Green Bay, Wis.
Str	Hilton	166	141	110x27x 8	1867	John Schroeder Lumber Co., Milwaukee, Wis.
Str	Hinckley	131	34	108x24x 8	1901	A. R. Hinckley, Oswego, N. Y.
Str	Hines, L. Edward	982	790	203x37x14	1893	E. Hines Lumber Co., Chicago, Ill.
Sty	Hirondelle	35	26	74x13x 7	1893	Edward Michael, Buffalo, N. Y.
Str	Hitz, Herman	180	113	115x25x 5	1910	Cook & Brown Lime Co., Oshkosh, Wis.
Sch	Hoboken	299	284	139x26x11	1868	Ogdensburg C. & T. Co., Ogdensburg, N. Y.
Tug	Hoffnung Bros.	56	28	61x15x 9	1890	John B. Wanless, Duluth, Minn.
Str	‡Holden, Hendr'k S.	4444	3091	408x50x24	1898	John Mitchell, Cleveland, O.
Stp	‡Holland	1148	871	231x34x12	1881	Graham & Morton Trans. Co., Chicago, Ill.
Sch	Holland, Grace	629	597	189x33x13	1880	J. R. McCarthy, 159 Ohio St., Buffalo, N. Y.
Sch	Holland, Nelson C.	564	536	188x32x13	1881	Shannon & Garey, Saginaw, Mich.
Str	Holland, Robert.	423	339	156x30x12	1872	Shannon & Garey, Saginaw, Mich.
Str	‡Hollis M.	48	33	61x16x 8	1909	Booth Fisheries Co., Chicago, Ill.
Str	Hollister, S. W.	49	31	73x29x 5	1888	Winnebago Tug Boat Co., Oshkosh, Wis.
Bge	‡Holley, Alex.	2721	2554	362x46x26	1896	Pittsburg Steamship Co., Cleveland, O.
Str	‡Holmes, Edwin F.	4787	3517	420x50x28	1904	Acme Transit Co., Cleveland, O.
Tug	Holton, E. D.	24	12	70x15x 7	1874	John C. Ten Eyck, Sault Ste. Marie, Mich.
Gas	Home	20	18	38x12x 5	1912	Fred S. Chapman, Cheboygan, Mich.
Tug	Hood, Thos.	39	19	59x16x 9	1881	Duluth Marine Contracting Co., Duluth, Minn. (Rebuilt 1900.)
Str	‡Hoover & Mason.	5841	4578	504x54x30	1905	G. A. Tomlinson, Mgr., Zenith S. S. Co., Duluth, Minn.
Str	Hope	11	5	42x11x 5	1876	D. E. Stevens and R. Porter, Duluth, Minn.
Gas	Hope	11	9	28x 9x..	1908	Charles E. Anderson, Charlevoix, Mich.
Tug	Hope	15	10	37x12x 4	1893	Nic Lanters, Port Washington, Wis.
Str	Hopkins, A. L.	639	500	174x31x22	1888	Lawrence Brown, et al., Chaumont, N. Y. (Lost, 1911.)
Gas	Horn, Annie E.	8	6	34x10x 4	1908	Alexander Horn, Lakewood, O.
Bge	Horn, Clara.	242	231	115x26x..	1891	Beaubien Ice & Coal Co., Detroit, Mich.
Sty	Hornet	40	27	94x11x 6	1906	John F. Dodge, Detroit, Mich.
Str	‡Houghton, Douglas	5332	4034	456x50x29	1899	Pittsburg Steamship Co., Cleveland, O.
Str	Houghton, H.	210	151	126x27x10	1889	H. Houghton, Detroit, Mich.
Str	‡House, Francis E.	7769	5943	585x60x32	1907	Pittsburg S. S. Co., Cleveland, O.
Tug	Howard	195	97	114x22x10	1864	G. A. Tomlinson, Duluth, Minn. (Rebuilt 1889.)
Sch	Howard, John P.	97	92	96x21x 5	1882	Reuben B. Bragg, Port Kent, N. Y.
Sch	Howard, Kate E.	96	92	97x21x 6	1867	Wm. Gabrielson, Menominee, Mich. (Lost, 1911.)
Str	‡Howe, Geo. C.	1550	955	241x41x18	1903	Gt. Lakes & St. Lawrence Transp. Co., D. Sullivan, Mgr., Chicago, Ill.
Sch	Howland, Thos. H.	298	283	138x26x13	1872	H. McMorran, Port Huron, Mich.
Ltr	Howlet, Robt.	158	127	116x25x..	1870	Merchants' Lighterage Co., Chicago, Ill.
Str	‡Hoyt, James H.	4363	3234	411x50x23	1902	Interlake Steamship Co., Cleveland, O.
Bge	Hoyt, R. H.	62	62	63x14x..	1897	Philip Mago, Tonawanda, N. Y.
Str	‡Hubbard, C. Russell (nee Henry A. Hawgood)	6839	5389	532x56x31	1906	Hubbard Steamship Co., W. C. Richardson & Co., Mgrs., Cleveland, O.
Sch	Hubbard, Newell	55	52	76x20x 5	1867	John Denstead, Detroit, Mich.
Str	Hubbard, Charles.	4846	4287	438x52x28	1907	Great Lakes Steamship Co., Rockefeller Bldg.,
Str	‡Hubbard, C. Russel.	6839	5389	532x56x31	1906	The Hubbard Steamship Co., R. N. Case, Secretary, Cleveland, O.
Str	Hudson	20	10	43x14x 6	1894	Mrs. Ann E. Staley, Buffalo, N. Y.
Gas	Hugo	14	14	36x 8x 4	1905	Manville La Fond, Two Rivers, Wis.
Gas	Hulda	9	6	31x11x 4	1907	Booth Fisheries Co., Chicago, Ill.
Stp	Hum	32	25	76x16x 5	1876	Mrs. Florence C. Jepson, East Jordan, Mich.
Tug	Hunsader John	210	143	98x27x12	1910	The Thomas H. Smith Stone Co., Sturgeon Bay, Wis.
Dge	Hunt, Alfred E.	510	510	120x43x..	1907	St. Lawrence River Power Co., Massena, N. Y.
Bge	Hurd, Joseph L.	459	459	171x30x11	1869	Leatham & Smith, Sturgeon Bay, Wis.
Bge	Huron	210	200	113x28x..	1893	Great Lakes Dredge & Dock Co., Chicago.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Stp	‡Huron	538	402	200x32x..	1885	Star-Cole Line Steamers, Detroit, Mich.
Str	‡Huron	1945	1309	238x42x27	1898	Mutual Transit Co., Buffalo, N. Y.
Gyt	Hussar II	44	44	54x17x 7	1900	Charles H. Thorne, Chicago, Ill.
Tug	Husted, James W.	43	21	66x16x 7	1875	Thomas M. Ryan, Buffalo, N. Y.
Str	‡Hutchinson, Chas. L.	6377	4860	504x54x30	1910	Henry Wineman, Jr., Detroit, Mich.
F. B.	Hutchinson, John M.	90	45	75x21x28	1893	City of Buffalo, N. Y.
Str	‡Hutchinson, J. T.	3734	2870	346x48x28	1901	Hutchinson & Co., Cleveland, O.
Str	‡Hydrus	4713	3384	416x50x28	1903	Interlake Steamship Co., Cleveland, O.
	I					
Gas	Ida	9	7	39x11x 4	1903	Charles Pickett, Erie, Pa.
Gas	Ida	12	11	30x10x 3	1907	John Anderson, Milwaukee, Wis.
Gas	Ida Caroline	22	15	43x13x 6	1902	Manitowoc Dry Dock Co., Manitowoc, Wis.
Gas	Ida L.	6	6	31x 8x..	1909	Ernest C. Liebner, Cheboygan, Mich.
Gas	Ida L. II	21	18	55x12x 5	1912	E. C. Liebner, Cheboygan, Mich.
Gas	Ida May	79	50	96x17x 8	1904	Price McKinney, Waddington, N. Y.
Str	Ida Mc	33	33	62x16x 3	1894	Southern Railway & Navigation Co., Chicago, Ill.
Sty	Ideal	40	32	60x13x 6	1885	A. C. Mavo, Duluth, Minn.
Gas	Idella	11	9	35x12x 3	1908	W. H. Orr, Holland, Mich.
Sty	Idler	57	41	95x15x 5	1886	O. G. Staples, Washington, D. C.
Stp	‡Idlewild	363	284	186x26x16	1879	Star-Cole Line Steamers, Detroit, Mich.
Gyt	Igloo	48	32	77x14x 6	1909	J. K. Stewart, Chicago, Ill.
Bge	Ike	36	36	...x..x..	1889	James Fox, Massena, N. Y. (Abandoned.)
Stp	‡Illinois	2427	1468	225x40x26	1899	Northern Mich. Trans. Co., Chicago, Ill.
F. B.	‡Illinois	287	34	107x24x13	1898	Chicago Fire Dept., Chicago, Ill.
Gas	Illinois	12	12	34x11x 4	1910	Benjamin Parmalee, Waukegan, Ill.
Gas	Illinois	16	14	47x12x 6	1904	Frank Martinek, Chicago, Ill.
Gay	Illinois	43	38	63x13x 7	1909	E. H. Fahrney, Oshkosh, Wis.
Gas	Illinois Central	12	8	35x11x 4	1910	P. Aagaard, Illinois Central, Chicago.
Str	Imogene	28	21	75x10x 6	1896	James C. Stewart, New York, N. Y.
Str	Imperial	68	43	89x19x 5	1879	International Harvester Co., Chicago, Ill.
Tug	Imperial	35	24	54x16x 5	1910	Ignatz Selin, Milwaukee, Wis.
Str(a)	Imperial	796	412	200x32x15	....	Standard Oil Co., New York, N. Y.
Str(a)	Impoco	1683	943	242x40x20	....	Standard Oil Co., New York, N. Y.
Str	Ina	16	9	42x10x 5	1881	E. J. Dodge, Put-in-Bay, O.
Stp	Indiana	1177	961	201x35x24	1890	Goodrich Trans. Co., Chicago, Ill.
Str	‡Indiana	98	36	74x20x11	1911	Great Lakes Towing Co., Cleveland, O.
Str	Indienne	26	15	77x11x 5	1888	C. J. Jordan, New York City.
Sty	Indra	9	7	35x 8x 4	1892	Joseph Mang, La Salle, N. Y.
Str	‡Indus	3871	2997	356x50x28	1901	Interlake Steamship Co., Cleveland, O.
Tug	Industry	80	54	82x21x 8	1897	Great Lakes Towing Co., Cleveland, O.
Tug	Inman, B. B.	89	60	81x19x11	1895	Great Lakes Towing Co., Cleveland, O.
Stp	International	114	100	80x26x 7	1889	White City Amusement Co., Houghton, Mich.
Gas	Interstate	7	6	35x 6x 2	1908	J. E. Meyer, Agt., Barnett & Record Co., Duluth, Minn.
Gas	Iona Estelle	12	11	31x 9x 4	1904	Carl G. Richter, Detroit Harbor, Wis.
Gyt	Ionas	65	61	81x20x 9	1901	W. M. Lloyd, Chicago, Ill.
Gyt	Ione	10	9	28x 9x 4	1912	Fred D. Curtis, Traverse City, Mich.
Str	Ionia	1287	1122	209x38x19	1890	Ionia Transportation Co., Hugh R. Havey, Mgr., Detroit, Mich.
Gyt	Ionia	38	31	75x10x 6	1910	J. J. Corkill, Chicago, Ill.
Stp	Iowa	1157	846	202x36x22	1896	Goodrich Trans. Co., Chicago, Ill.
Gas	Irene	8	7	37x 9x 3	1905	Frank Tilley, Milwaukee, Wis.
Gas	Irene	14	13	32x 9x 4	1905	Anton N. Nelson, Milwaukee, Wis. Rebuilt 1912.
Gay	Irene	5	5	26x 8x 4	1908	Frank Platten, Green Bay, Wis.
Gas	Irene Deck	8	6	41x10x 3	1912	Conrad Deck, Jr., Erie, Pa.
Gas	Irene R.	9	7	31x 9x 4	1904	Mat Rudstrom, Ludington, Mich.
Gas	Iris	12	10	47x15x 4	1895	F. H. Payne, Erie, Pa.
Gas	Irish Girl	9	8	28x 9x 4	1906	Charles Corlette, Cheboygan, Mich.
Sty	Irma	30	21	51x11x 6	1892	H. C. Derksen, Oshkosh, Wis.
Gas	Irma	12	7	36x10x..	1908	W. P. Kavanaugh, Bay City, Mich.
Gas	Irma E.	12	11	32x10x 4	1909	Ed. Edblocker, Traverse City, Mich.
Gas	Irma Janette	14	13	32x10x 3	1909	Charles J. Hagen, Washington Harbor, Wis.
Str	Iron King	1702	1223	252x38x21	1887	Martin Lee Clark, Buffalo, N. Y.
Gas	Irving	6	5	35x 6x 3	1894	A. B. Ballou, Chicago, Ill.
Gas	Isabella	16	15	40x11x 4	1909	John V. Allie, Two Rivers, Wis.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Tug	Isabella	43	29	73x16x 6	1904	David Lincoln, Alpena, Mich.
Str	‡Ishpeming	6924	5476	530x56x31	1906	Cleveland-Cliffs Iron Co., Cleveland, O.
Stp	Island Belle	89	65	100x20x 6	1879	A. A. Holmes, Alexandria Bay, N. Y.
Str	Islander	291	174	115x23x17	1895	Geo. T. Arnold, Mackinac, Mich.
Tug	‡Islay	26	13	60x13x 5		G. A. Tomlinson, Duluth, Minn.
Str	Italia	2305	1735	289x42x24	1889	Great Lakes Engineering Works, Detroit, Mich.
Scb	I. and M. C.	90	67	96x17x 7	1883	Western Stone Co., Chicago, Ill.
Gas	Itzabyrd	6	5	30x 9x 4	1907	Edwin F. Orbert, Green Bay, Wis.
Sty	Ivy	38	26	81x12x 5	1901	Walter H. Oades, Detroit, Mich.
Str	I Wonder	16	10	66x10x 4	1897	John Hoadley, Alexandria Bay, N. Y.
	J					
Tug	Jackson, Rose	35	17	63x14x 7	1881	Great Lakes Dredge & Dock Co., Chicago, Ill.
Gas	Janet	7	7	33x 8x 2	1905	Robert Beutel, Bay City, Mich.
F. B.	Jansen, August F.			...x..x..		Fire Department, City of Milwaukee, Wis.
Sty	Jean	28	19	71x10x 6	1897	Thos. A. Gillespie, New York.
Gay	Jeanette C.	8	8	31x 9x 4	1904	Douglas Parmentier, Green Bay, Wis.
Str	Jeffrey, John H., Jr.	12	6	41x12x 7	1892	Wm. Jeffrey, Duluth, Minn.
Str	‡Jenkins, Chas. O.	6285	4287	504x54x30	1907	Jenkins S. S. Co., A. T. Kinney, Mgr., Cleveland, O.
Str	‡Jenks, J. M.	4644	3381	414x50x28	1902	Acme Transit Co., Cleveland, O.
Gas	Jennie	9	8	30x 9x 3	1901	Matt Anderson, Ludington, Mich.
Gas	Jennie N.	6	5	24x 7x 3	1907	Edw. C. Newman, Ellison Bay, Wis.
Gas	Jennie W.	11	9	35x 9x 4	1904	Charles Jensen, Detroit Harbor, Wis.
Gas	Jessamine	57	47	81x14x 7		S. O. Richardson, Toledo, O.
Str	Jessie	201	201	126x25x 9	1900	Augustus R. Hinckley, Oswego, N. Y.
Gas	Jessie	7	6	44x 7x 4	1886	Martin Neumann, Oshkosh, Wis. Rebuilt 1909.
Str	Jex, H. N.	626	479	169x26x18	1868	Theobold Emig, St. Clair, Mich.
Tug	Johnson, John	59	29	68x17x10	1887	Light House Board.
Tug	‡Johnston, Robert E.	22	15	46x13x 5	1906	Walsma & Van Toll, Grand Haven, Mich.
Tug	‡Johnston, Robert E.	22	15	46x13x 5	1906	Walsma & Van Toll, Grand Haven, Mich.
Str	Jones, Arthur	34	20	58x16x 9	1893	United States Government.
Str	‡Jones, B. F.	6939	5492	530x56x31	1906	Interstate S. S. Co., W. H. Becker, Mgr., Cleveland, O.
Tug	Josephine	46	25	...x..x..	1905	F. B. Chesbrough, Emerson, Mich.
Tug	Joyce, G. W.	25	17	43x12x 4	1909	Alfred Weborg, Gills Rock, Wis.
Str	Joyce, G. W.	25	17	43x12x 5	1909	Alfred Weborg, Gills Rock, Wis.
Slp	Julia	42	40	62x15x 5	1884	P. Pearo, Isle La Motte, Vt.
Gas	Juliet	37	25	62x10x 8	1907	E. G. Filer, Manistee, Mich.
Gyt	Juanita	32	32	60x16x 6	1902	Charles A. Burton, Chicago, Ill.
Stp	‡Juniata	4333	2619	340x45x28	1905	Erie & Western Trans. Co., Anchor Line, Buffalo, N. Y.
Str	Juniata	14	9	...x..x..	1893	John J. Maloney, Sr., Sault Ste. Marie, Mich.
Str	Junior	339	310	135x33x10	1906	Lake Sand Co., Chicago, Ill.
Str	Jupiter	29	17	62x17x 8	1910	Keystone Fish Co., Erie, Pa.
Str	Jupiter	29	17	61x16x 7	1910	Keystone Fish Co., Erie, Pa.
Str	‡Jupiter	3719	2769	346x48x28	1901	Interlake Steamship Co., Cleveland, O.
	K					
Str	Kalkaska	679	555	178x33x15	1884	Kalkaska S. S. Co., W. E. Holmes & Co., Agents, Chicago, Ill.
Sty	Kaelma	9	6	50x 8x 4		Wm. J. McCaffrey, Plattsburg, N. Y.
Str	Kansas	835	588	185x33x19	1870	Northern Michigan Transp. Co., Chicago, Ill. Rebuilt in 1904.
Tug	Kane, Thomas	16	10	53x11x 4	1888	Sarah Latbay, et al., Cecil, Mich. Rebuilt 1906.
Tug	Karl, Minnie	23	13	52x13x 6	1883	D. E. Stevens, Duluth, Minn.
Sty	Karma	38	19	78x12x 7	1900	W. H. Post, Ogdensburg, N. Y.
Gas	Katharine	8	7	38x10x..	1906	E. W. Martin, Olcott, N. Y.
Gas	Katherine	20	14	54x13x 4	1911	Robert Becker, Chicago, Ill.
Gyt	Kathmar	16	10	41x10x 4	1912	Fred G. Clump, Chicago, Ill.
Gas	Katie N.	7	6	28x 9x 3	1903	Charles T. Johnson, Ludington, Mich.
Str	‡Kearsarge	3092	2721	328x44x27	1894	Canada-Atlantic Transit Co., Montreal, Can.
Str	‡Keefe, J. S.	1640	944	238x41x19	1903	Gt. Lakes & St. Lawrence Trans. Co., D. Sullivan, Mgr., Chicago, Ill.
Str	Kendall, Harvey J.	398	264	142x31x10	1892	Harvey J. Kendall, Marysville, Mich.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Str	‡Kennedy, Hugh	7064	5500	532x56x31	1906	John Mitchell, Mgr., Buffalo S. S. Co., Cleveland, O.
Str	‡Kensington	3762	3130	360x50x28	1903	Boland & Cornelius, Mgrs., American S. S. Co., Buffalo, N. Y.
Tug	Kentucky, nee Alpha	87	43	77x19x13	1881	Great Lakes Towing Co., Cleveland, O.
Gap	Kerosene Molly			31x 9x 4	1898	Grand Rapids Gas Eng. & Y. Co., Grand Rapids, Mich.
Str	‡Kerr, D. G.	5531	3991	468x52x28	1903	Interlake Steamship Co., Cleveland, O.
Gas	Keshena	9	9	33x 8x 3	1908	Frank Morisque, Green Bay, Wis.
Sty	Kestrel	21	14	59x12x 5	1892	D. Crawford Clark, Essex, N. Y.
Str	‡Ketchum, John B., 2nd	908	779	193x40x15	1892	Reid Wrecking Co., Port Huron, Mich.
Str	Kewaunee	143	98	90x24x 7	1900	Lake Carriers' Association, Cleveland, O.
Tug	‡Keystone	94	54	87x19x11	1891	Commissioners of Lincoln Park, Chicago, Ill.
Tug	Keystone	18	13	56x14x 5	1902	Simon Schacht, Erie, Pa.
Gas	Key West	8	7	30x 9x 3	1907	Anthony Muska, Milwaukee, Wis.
Gas	Kid	7	5	52x10x 3	1900	George Parkinson, Chicago, Ill.
Str	‡King, Willis L.	7568	5712	580x58x32	1910	Interstate S. S. Co., W. H. Becker, Mgr., Cleveland, O.
Gas	Killarney	32	30	54x13x 5	1910	James H. McGillan, Green Bay, Wis.
Tug	Kinch, Wm. H.	59	39	68x17x 9	1902	Great Lakes Dredge & Dock Co., Chicago, Ill.
Tug	King, Fred	13	7	50x11x 4	1889	David Wood, Cleveland, O.
Str	King, George	532	380	176x30x13	1874	W. H. Sharp, Bay City, Mich.
Gas	Kingfisher	13	12	36x10x 4	1909	Arnold M. Hermes, Green Bay, Wis.
Gay	Kingfisher	7	7	32x 9x 4	1909	R. F. Goodman, Marinette, Wis.
Stp	‡Kirby, Frank E.	532	375	195x30x20	1890	Ashley & Dustin, Detroit, Mich.
Str	‡Kirby, S. R.	2338	1823	294x42x26	1890	Northwestern Trans. Co., Detroit, Mich.
Str	Kittie D.	20	14	53x12x 4	1902	Wm. Voetsch, Jr., Edgewater, N. Y.
Sch	Knapp, F. M.	384	365	155x29x11	1867	S. C. McLouth, Marine City, Mich.
Tug	Knapp, L. W.	17	11	57x13x 5	1895	John A. Dahlmer, Dunkirk, N. Y.
Str	Knapp, M. A.	60	31	66x18x 9	1893	C. H. Starke Dredge & Dock Co., Milwaukee, Wis.
Str	‡Knight, Erastus C.	47	32	56x15x..	1908	American Sand & Gravel Co., Erie, Pa.
Tug	Knight Templar	38	19	62x17x17	1890	Independent Tug Boat Line, Milwaukee, Wis.
Str	Knight, Theodore C.	29	20	48x14x 7	1903	James Stewart & Co., New York, N. Y.
Str	Knobloch, Lena	87	55	75x18x 6	1881	Peter F. Lardie, Old Mission, Mich.
Tug	Koehn, Frederick	39	19	70x13x 6	1886	Ernst Schneidewind, Sheboygan, Wis.
Tug	Koerber, Henry, Jr.	44	30	69x16x 6	1902	Fix Bros., Buffalo, N. Y.
Str	Kongo	672	482	215x31x10	1881	H. H. Salmon & Co., New York, F. S. Sullivan, Buffalo, Mgr.
Str	‡Kopp, Jacob T.	6035	4530	480x54x30	1907	Pennsylvania S. S. Co., Boland & Cornelius, Mgrs., Buffalo, N. Y.
Str	‡Kotcher, C. W.	4961	3632	420x52x28	1907	Detroit S. S. Co., D. Sullivan & Co., Mgrs., Chicago, Ill.
Tug	Kunkle Bros.	55	27	70x19x 7	1890	Great Lakes Towing Co., Cleveland, O.

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Str	‡La Belle	6407	4876	504x54x..	1909	La Belle S. S. Co., J. S. Ashley, Sec., Cleveland, O.
Sty	La Belle	140	70	116x18x.	1889	Alexander Winton, Lakewood, O.
Str	‡Lackawanna	2015	1595	260x39x25	1888	Buffalo Transit Co., Buffalo, N. Y.
H. B.	La Duchess	247	247	104x22x..	1903	George S. Wagoner, Alexandria Bay, N. Y.
Gas	Lady Agnes	11	10	36x 8x 3	1904	George B. Saunders, Pentwater, Mich.
Gas	Lady Grace	12	11	33x10x 4	1905	Elmer E. Cornell, Washington Harbor, Wis.
Gay	Lady Hamilton	21	18	54x 9x 5		Claude Hamilton, Grand Rapids, Mich.
Tug	Lafayette	42	21	64x15x 6	1894	John J. Freitus, Buffalo, N. Y.
Str	‡Lagonda	3647	3017	375x46x28	1896	Etna Steamship Co., John Mitchell, Mgr., Cleveland, O.
Gas	Lagonda	62	42	69x16x 2	1902	C. D. Peruchi, Knoxville, Tenn.
Str	Lahmann, W. F., Sr.	43	29	58x15x 7	1891	Wm. F. Lahmann, Sr., Milwaukee, Wis.
Str	Lain, John Jr.	12	8	46x11x 5	1900	Joseph Adrian, Milwaukee, Wis.
Str	‡Lakeland	2425	1813	280x39x24	1887	Port Huron & Duluth S. S. Co., Port Huron, Mich.
Str	Lakeport (nee Boston)	1829	1669	263x36x27	1880	Port Huron & Duluth Steamship Co., Port Huron, Mich.
Str	Lakewood (nee Syracuse)	1917	1677	266x38x26	1884	Port Huron & Duluth Steamship Co., Port Huron, Mich.
Gay	La Lenita	6	6	28x 7x 3	1906	W. J. McGinnis, Green Bay, Wis.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Str	Lamb, C. H.	22	9	54x..x..	1891	Robert Truett, Huron, O.
Str	‡Lambert, John	1550	929	241x41x18	1903	Gt. Lakes & St. Lawrence Trans. Co., D. Sullivan, Mgr., Chicago, Ill.
Gas	LaMoore, Helen C.	9	9	49x12x 2	1904	James E. LaMoore, Newaygo, Mich.
Str	Langdon, James R.	2044	1550	240x42x25	1889	Rutland Trans. Co., Ogdensburg, N. Y.
Str	Langell Boys	387	286	151x30x11	1890	Carrollton Steamship Co., Bay City, Mich.
Str	Langell, Simon	845	677	196x35x15	1886	A. R. Sinclair Estate, Duluth, Minn.
Str	Langham	1810	1451	281x41x22	1888	John T. Adams, Detroit, Mich. (Burned 1910)
Str	Langlois	31	31	52x13x 6	1911	Wm. H. Mantinga, Racine, Wis.
Str	Lansing	1611	1247	251x41x19	1887	Charles S. Neff, Milwaukee, Wis.
Gay	La Paloma	9	8	29x 9x 5	1910	Roy W. Berrie, Green Bay, Wis.
Str	‡La Salle	1935	1596	266x38x23	1890	Pittsburg Steamship Co., Cleveland, O.
Str	‡Laughlin, James	6939	5492	530x56x31	1906	Interstate S. S. Co., W. H. Becker, Mgr., Cleveland, O.
Gas	Laura	6	5	28x 9x 3	1897	Bob. Anderson, Detroit Harbor, Wis.
Dge	Laura D.	135	122	101x27x 6	1891	Toledo Builders' Supply Co., Toledo, O.
Gap	Laurence	15	14	40x10x 5	1908	John Paetschow, North Manitow, Mich.
Gas	Laviolette, G. F.	19	13	50x11x 5	1903	Godfrey Laviolette, Brussels, Wis.
Scb	Lawrence, Fred M.	124	92	89x17x10	1893	Ellen Carpenter, Buffalo, N. Y.
Tug	Leathem, John	75	38	80x17x 9	1878	The Edward Gillen Dock, Dredge & Cons. Co., Racine, Wis.
Str	Lee, Fred A.	60	40	70x16x 9	1896	Great Lakes Dredge & Dock Co., Chicago, Ill.
Stp	Leelanau	29	19	54x14x 7	1900	John Ver Snyder, Provemont, Mich.
S.D.	LeFevre	138	87	116x32x 6	1901	James Scanes, Toledo, O.
Str	‡Lehigh	1704	1503	238x36x26	1880	Harvey-Morrison Co., Cleveland, O.
Str	Leidheiser Bros.	28	20	60x15x 6	1907	Henry Leidheiser, Vermilion, O.
Gas	Leland	12	11	29x10x 3	1906	Sivert Johnson et al., Leland, Mich.
Str	Leland	366	318	148x28x12	1873	Guy Wyman, Painesville, O.
Gas	Lena	9	8	29x 8x 4	1911	Fred Wickenberg, Oconto, Wis.
Tug	Lenahan, Frank	35	24	50x15x 7	1911	Cowley Ship Yard Co., Buffalo, N. Y.
Gas	Leo A.	10	9	39x11x 5		
Gas	Leo B.	10	9	29x10x 4	1912	Michael Budgis, Green Bay, Wis.
Gas	Leona	12	8	50x10x 5	1905	G. A. Grosse, Sr., Little Swanico, Wis.
Gas	Leona M.	8	9	29x 9x 3	1907	Joseph Muench, Algoma, Wis.
Str	Leona R.	16	11	44x14x 5	1903	Adolph Roeser, Sister Bay, Wis.
Str	‡Leonard, Geo. B.	4037	2844	380x50x28	1903	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Str	‡Leopold, N. F. (nee W. R. Woodford)	6929	5245	532x56x31	1908	Inland Steamship Co., Hutchinson & Co., Mgrs., Cleveland, O.
Tug	Leslie	38	19	67x16x 7	1894	George Macdonald, Chicago, Ill.
Gas	Lettie May	9	9	30x 9x 3	1903	Newell Cornell, Washington Harbor, Wis.
Str	Lewiston	1808	1342	272x38x21	1886	John Green, Buffalo, N. Y.
Tug	Liberty	30	20	47x13x 6	1909	Edw. G. Tews, Jr., Milwaukee, Wis.
Stp	Liberty	143	126	97x..x..	1889	Andrew H. Crawford, Saugatuck, Mich.
Str	Liberty	36	22	68x18x 7	1910	Harry H. Boyd, Erie, Pa.
Str	Liberty	36	22	67x17x 7		Harry H. Boyd, Erie, Pa.
Str	Liberty	30	20	47x13x 6	1909	William Braeger, Milwaukee, Wis.
Str	Liberty	143	126	97x18x 5	1889	J. M Clow, Marinette, Wis.
Gas	Lida R.	12	8	42x 8x 4	1912	Fred C. Robarge, Houghton, Mich.
Gas	Lillian	13	12	47x11x 4	1906	Christian Anderson, Ellison Bay, Wis.
Gas	Lillian	9	8	33x 9x 4	1906	H. C. G. Hansen, Marinette, Wis.
Gas	Lillian II	44	38	64x15x 6	1907	E. W. Andrews, Chicago, Ill.
Sty	Lillie	31	26	69x15x 5	1872	A. A. Parker, Detroit, Mich.
Str	Lillie	11	7	27x11x 3	1900	Albert J. Bouchard, Green Bay, Wis.
Gas	Lillie	8	8	29x 8x 4	1906	Hans J. Hansen, Kewaunee, Wis.
Sl	Lillie D.	28	28	61x15x 5	1902	Alonzo Diefendorf, Chaumont, N. Y.
Gas	Lillie R.	15	14	36x10x 4	1905	Fred C. Roberts, Walkers Pt., Mich.
Tug	Lillie & May	12	8	44x10x 6	1903	Luther P. Holt, Port Huron, Mich.
Str	Lily	104	79	95x23x 6	1889	J. M. Tucker, Mt. Clemens, Mich.
Str	Lilly K.	10	7	32x 9x 3	1905	Torris Torrison, Sheboygan, Wis.
Dge	Lincoln	225	225	109x37x 7	1893	Duluth Marine Contracting Co., Rennick, B. Knox, Mgr., Duluth, Minn.
Str	Linden	894	708	206x36x14	1895	H. McMorran, Port Huron, Mich.
Str	‡Linn, Wm. R.	4328	3196	400x48x28	1898	Pittsburg Steamship Co., Cleveland, O.
Str	Lindrup	42	28	63x15x 6	1891	James Stevenson, Cedarville, Mich.
Str	Little, Albert	18	9	52x13x 6	1888	Ira M. Rose, Tonawanda, N. Y.
Str	Little, C. H.	324	241	144x28x 8	1903	C. H. Little Co., Detroit, Mich.
Str	Little Mac	25	19	60x11x 3	1886	People's Milling Co., Chaumont, N. Y.
Str	Little Masta	10	6	36x10x 4	1903	Frank Left, St. James, Mich.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Str	‡Livingstone, Wm.	6634	4927	532x58x31	1908	Mutual S. S. Co., G. A. Tomlinson, Mgr., Duluth, Minn.
Str	‡Livingstone	2134	1622	281x41x22		
Sty	Lizzie H.	15	7	49x10x 3	1888	John Hannan, Ogdensburg, N. Y.
Tug	Lloyd, Hattie	34	28	68x12x 5	1889	Wm. Livingstone, Mgr., Detroit, Mich.
Str	Lloyd, M.	31	22	70x14x..	1883	A. C. Majo, Duluth, Minn.
Gas	Lloyd M.	9	8	26x 8x..	1906	Albert Miller, Petoskey, Mich.
Sty	Lockport	19	13	46x10x 4	1898	W. G. Maxcy, Oshkosh, Wis.
Tug	Loesch, Eugen.	19	11	45x14x 6		
Gyt	Lois	25	17	59x15x 5	1882	John Mollhagen, St. Joseph, Mich.
Tug	Long, John	12	8	52x10x	1904	R. Bell Fish Co., Port Clinton, O.
Str	Lookout	28	19	46x11x 3	1903	Cameron D. Waterman, Grosse Isle, Mich.
					1894	T. C. Evershed, Irondequoit, N. Y.
Tug	Loomis, Luther	29	14	55x13x 6	1889	Illinois Stone Co., Chicago, Ill.
Str	Lorain	49	34	68x16x 7	1909	The Ranney Fish Co., Cleveland, O.
Str	Lorain T.	20	9	50x14x 5	1900	Illinois Brick Co., Chicago, Ill.
Gas	Lorains U.	6	5	24x 8x 3	1912	Henry Unsinn, Green Bay, Wis.
Str	Lorena	34	17	70x15x 8	1882	Joseph Walter, Sturgeon Bay, Wis.
Gas	Lorena	17	11	37x10x 5	1910	Sigwart Paulson, Manistique, Mich.
Str	Lorene	19	13	48x10x 6	1886	Anton Friedrichs, Sheboygan, Wis.
Gay	Loretta	6	5	34x10x 5	1901	Wm. G. Haas, Erie, Pa.
Str	Loretta	9	6..	31x 7x 4	1895	Wm. H. Nagle, Buffalo, N. Y.
Tug	Lorman, C. A.	41	20	59x17x 8	1893	Alex Ruelle, Jr., Detroit, Mich.
Sty	Lotus	52	26	89x14x 6	1887	George Hall, Ogdensburg, N. Y.
Gas	Lotus	6	6	25x 8x 3	1903	Roy Pease, Leland, Mich.
Str	Lotus	219	188	110x22x17	1893	Snow Transit Co., St. Ignace, Mich.
Gas	Lou	10	9	41x 7x 3	1899	Herman A. Schmidt, Detroit, Mich.
Gyt	Louisa	23	19	51x11x 4	1911	S. A. Flecher, Indianapolis, Ind.
Str	Louise	83	43	88x19x 8	1878	Jos. W. Post, Sandusky, O.
Str	Louise	49	24	92x14x 8	1893	Geo. S. Wagoner, Alexandria Bay, N. Y.
Tug	Louise B.	15	9	41x11x 3	1898	Illinois Terra Cotta Lumber Co., Chicago, Ill.
Gas	Louise K.	9	9	32x 9x 4	1900	Ed. Schmidt, Two Rivers, Wis.
Str	Louisiana	1929	1383	267x39x21	1887	F. M. Osborne, Cleveland, O.
Tug	‡Louisville	47	32	61x16x 8	1910	Booth Fisheries Co., Chicago, Ill.
Gas	Loyola	23	22	43x11x 6	1906	Frank Wilson, Port Washington, Wis.
Gas	Lucia A.	7	6	23x 8x 2	1907	John Weiderman, Charlevoix, Mich.
Gas	Lucille	8	7	25x 9x 4	1910	Wm. Buckler, Leland, Mich.
Sty	Lucille	21	10	55x12x 5	1888	M. McMillan, Detroit, Mich.
Gay	Lucille N.	5	5	25x 7x 3	1903	Walter Meusel, Green Bay, Wis.
Scw	Ludington	44	34	45x20x 4	1908	City of Ludington, Mich.
Str	Luebke, A. W.	52	35	68x15x 8	1911	Herman Luebke, Two Rivers, Wis.
Gas	Luella	11	9	39x11x 4	1901	C. W. Hiatt, Cleveland, O.
Str	Luise M.	19	9	53x12x 5	1892	G. Muntinga, Sheboygan, Wis.
Gas	Lulu H.	11	10	31x10x 3	1910	M. B. Hungerford, Traverse City, Mich.
Str	Luna	143	101	105x30x 7	1882	Christ Schlatterer, Saginaw, Mich.
Str	Lupus (nee Gilchrist)	3871	2997	356x50x28	1901	Interlake Steamship Co., Cleveland, O.
Gay	Lutetia	6	6	26x 8x 3	1905	W. E. Riley, Green Bay, Wis.
Tug	Lutz, Maggie	15	8	45x12x 4	1873	A. Fairchild, Frankfort, Mich.
Tug	Lutz, T. C.	136	72	82x22x12	1896	Great Lakes Towing Co., Cleveland, O.
Str	Luyster, P. B.	17	9	43x13x 6	1897	R. Houghton, Detroit, Mich.
Str	‡Luzon	3582	2778	346x48x28	1902	E. D. Carter, Erie, Pa.
Str	Lycoming	1448	1119	251x36x26	1880	James O'Connor, Tonawanda, N. Y. (Burned 1910.)
Gas	Lycora	55	34	72x16x 8	1912	The Ranney Fish Co., Cleveland, O.
Gas(scw)	Lydia	8	7	30x12x 2	1906	Christ Miller, Manistee, Mich.
Tug	Lydon, Harry C.	67	19	69x19x 7	1898	Great Lakes Dredge & Dock Co., Chicago, Ill.
Sty	‡Lydoni	497	338	181x26x17	1911	W. A. Lydon, Chicago, Ill.
Gas	Lyle D.	11	7	..x..x..	1908	A. M. Doty, Munissing, Mich.
Str	‡Lynch, Thomas	7240	5450	580x58x27	1906	Pittsburg Steamship Co., Cleveland, O.
H. B.	Lysander	171	171	83x20x 3	1902	James Stewart, Clayton, N. Y.

M

Str	McCann, Margaret.	35	22	69x15x 7	1894	Jas. McCann, St. James, Mich.
Tug	McCarthy, Wm.	80	54	70x18x10	1897	Great Lakes Dredge & Dock Co., Chicago, Ill.
Tug	‡McCarthy, Wm. J.	...	....	...x..x..	1911	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	‡McCarthy, W. J.	98	40	82x21x10	1912	Great Lakes Dredge & Dock Co., Chicago, Ill.
Tug	‡McCormick	23	11	51x14x 6	1867	H. N. Meloche, Detroit, Mich.
Str	McCormick	160	120	106x24x 8	1887	A. R. Hinckley, Oswego, N. Y.

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Str	‡McCullough, John G.	1895	1604	255x40x21	1890	Erie Railroad Lake Line, Buffalo, N. Y.
Tug	McCutcheon, Sam..	10	7	39x 9x..	1909	C. H. McCutcheon, Buffalo, N. Y.
Str	McDonald, Rita	69	47	72x21x 8	1897	Great Lakes Towing Co., Cleveland, O.
Str	‡McDougall, Alex ..	3686	2662	414x50x27	1898	Pittsburg S. S. Co., Cleveland, O.
Tug	McFadden, J. D....	15	7	45x12x 6	1892	James Magee, Duluth, Minn.
Str	‡McGean, John A....	5100	3777	432x52x28	1908	Hutchinson & Co., Mgrs., Pioneer S. S. Co., Cleveland, O.
F.B.	‡McGonagle, William A.	275	183	110x28x15	1908	Duluth, Mesabi & Northern Ry. Co., Duluth, Minn.
Str	McGregor, Mary A.	711	581	179x34x15	1889	Potter-Teare Transit Co., Cleveland, O.
Str	‡McIntosh, H. P.....	6765	5371	520x54x31	1906	The Wilson Transit Co., Cleveland, O.
Str	‡McKerchey, John M.	732	443	161x37x11	1906	John M. McKerchey, Detroit, Mich.
Str	‡McKinney Price	5250	3927	420x54x28	1908	Corrigan, McKinney & Co., Cleveland, O.
Tug	McLean, Andrew A.	23	11	50x15x 7	1890	William H. Sharp, Bay City, Mich.
Str	McLouth, S. C.....	2220	2046	266x42x27	1880	Sydney C. McLouth, Marine City, Mich., nee Rochester. Burned 1912.
Tug	McNaughton, P. B..	63	31	73x17x 9	1888	P. B. McNaughton, Buffalo, N. Y.
Gas	Me Too	6	5	26x 8x 3	1903	Warren Price, Leland, Mich.
Gyt	Me Too III.....	23	21	50x12x 5	1910	H. B. Larson, Manistee, Mich.
Str	McVea, Charles	331	263	123x24x10		Benton Transit Co., Benton Harbor, Mich.
Str	McVittie A.....	2046	1852	240x42x25	1890	Ogdensburg Coal & Towing Co., Ogdensburg, N. Y.
Str	‡McWilliams, John J.	3400	2808	352x45x26	1895	W. H. Gratwick, Buffalo, N. Y.
Str	Mabel	27	18	68x11x 6	1901	Jas. G. Wilson, Clayton, N. Y.
Str	‡Mack, Wm. H.....	3781	2923	354x48x28	1903	Jenkins S. S. Co., Rockefeller Bldg, Cleveland, O., A. T. Kinney, Mgr.
Str	‡Mack, William S...	3720	2785	346x48x28	1901	Lake Erie Trans. Co., Cleveland, O.
Stp	‡Mackinac	350	238	138x28x12	1909	Johnston Bros., Grand Haven, Mich.
Str	Maggie	30	20	54x16x 5	1899	B. N. Pickards, Leland, Mich.
Gas	Mahafra II.....	57	37	...x..x..	1910	H. A. Parsons, Sault Ste. Marie, Mich.
Tug	Mahar, John	20	14	44x12x 6	1905	Wm. Mago, Tonawanda, N. Y.
Str	‡Mahoning	2189	1744	274x40x23	1892	E. & W. T. Co., Anchor Line, Buffalo, N. Y.
Stp	Maid of the Mist...	99	63	75x18x 7	1892	Frank LaBlonde, Niagara Falls, N. Y.
Str	Maine	332	255	132x27x12	1862	S. C. McLouth, Marine City, Mich. (Burned, 1911.)
Dge	Majestic	560	372	110x40x13	1873	Great Lakes Dredge & Dock Co., Duluth, Minn.
Stb	Major	128	118	108x24x 6	1891	Peter B. Colgan, Dunkirk, N. Y.
Str	Major	1864	1491	283x41x22	1889	Wm. H. Gratwick, Buffalo, N. Y.
Gas	Major	11	10	34x10x 4	1909	Charles Lunde, Ludington, Mich.
Str	Major	12	8	37x10x 5	1900	Peter McCafferty, Charlevoix, Mich.
Str	Major Dana	52	26	65x16x 8	1891	Whitney Bros. Co., West Superior, Wis.
Str	Major Kingman ...	47	32	66x17x 8	1901	Empire Limestone Co., Buffalo, N. Y.
Tug	Major Symons	43	30	60x17x 6	1900	Wellington McMinn, Buffalo, N. Y.
Tug	Major Wilcox	15	13	49x12x 4	1904	Booth Fisheries Co., Chicago, Ill.
Str	‡Malietoa	5229	3921	454x50x24	1899	Pittsburg Steamship Co., Cleveland, O.
Gas	M. A. M.	13	11	36x 8x 4	1911	F. P. Morrison, Conway, Mich.
Gas	Mamie M.	15	13	35x 9x..	1906	Carl S. Olsen, Muskegon, Mich.
Str	Manchester	2132	1611	281x41x..	1889	Milwaukee-Western Steamship Co., Milwaukee, Wis.
Str	Manhattan	73	36	91x17x 9	1892	Howard M. Brown, Union Springs, N. Y.
Str	Manistique	473	382	157x31x13	1882	Reid Towing & Wrecking Co., Port Huron, Mich.
Str	Manistee	843	485	202x32x..	1882	Chicago, Racine & Milwaukee Line, Chicago.
Stp	‡Manitou	2944	2391	275x42x25	1893	Northern Michigan Transp. Co., Chicago, Ill.
Scy	Manitou	31	29	52x16x 7	1896	Lewis H. Cowles, Cleveland, O.
Gas	Manitou	9	8	26x 9x 3	1904	(Mrs.) Florence Haas, South Manitou, Mich.
Tug	Mann, John C.....	33	17	60x16x 7	1898	Cartier Lumber Co., Ludington, Mich.
Str	Mann, Mary	11	6	61x13x 4	1891	Jacob W. Mann, Duluth, Minn.
Str	Manning, John P. ..	13	7	47x11x 4	1891	The Cleveland Fish Co., Cleveland, O.
Str	‡Manning, J. P.....	58	39	63x17x 9	1906	L. S. & M. S. Ry. Co., Cleveland, O.
Str	‡Manola	2325	1835	282x40x21	1890	Pittsburg Steamship Co., Cleveland, O.
St. L	Mansfield	382	351	159x32x 8	1892	Ironville Dock & Coal Co., Cleveland, O.
Gas	Manulitta	13	12	60x12x 3	1906	W. W. Tolman, Berlin, Wis.
Str	Margaret D.....	31	22	63x15x..	1909	Lawrence B. Dahlmer, Dunkirk, N. Y.
Str	Margaret	8	6	33x10x 4	1907	J. A. Jamieson, St. Ignace, Mich.
Gas	Margaret	9	8	26x 9x 4	1908	Emil Ortquist, Muskegon, Mich.
Str	Margaret	15	11	48x12x 6	1908	J. N. Bushong, Gladstone, Mich.
Gas	Marguerita	32	25	54x13x 6	1908	David G. Joyce, Chicago, Ill.

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Gyt	Marguerita	32	25	54x12x 6	1908	David G. Joyce, Chicago, Ill.
Tug	‡Marguerite	28	13	46x14x 7	1894	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	‡Maricopa	4223	3669	406x48x28	1896	Pittsburg Steamship Co., Cleveland, O.
Gas	Marie	9	8	28x10x 3	1904	D. Robinson, Scott's Point, Mich. (Gulliver P. O.)
Gas	Marie	12	10	36x 9x 4	1908	John A. Carlson, Michigan City, Mich.
Gas	Marie F.	8	8	28x 9x 4	1905	Edward Fowler, Green Bay, Wis.
Gay	Marie N.	7	7	25x 8x 4	1909	Covis G. Indra, Green Bay, Wis.
Tug	Mariel	36	18	66x15x 7	1883	William Nicholson, Duluth, Minn.
Gyt	Marigold	96	91	87x17x 6	1912	Egbert H. Gold, Chicago, Ill.
Str	‡Marina	2431	1992	292x40x25	1891	The Lakewood Steamship Co., Hutchinson & Co., Mgrs., Cleveland, O.
Tug	‡Marion	69	47	70x18x 8	1898	Great Lakes Dredge & Dock Co., Chicago, Ill. (Rebuilt 1906.)
Gay	Marion	13	12	37x10x 4	1908	H. C. Scofield, Sturgeon Bay, Wis.
Tug	Marion	17	8	43x13x 7	1889	Standard Contracting Co., Cleveland, O.
Str	Marion	930	672	202x35x15	1899	Morton Salt Co., Chicago, Ill.
Str	‡Mariposa	2831	2306	330x45x25	1892	Pittsburg Steamship Co., Cleveland, O.
Gyt	Mariquita	28	23	59x12x 8	1901	J. S. Miller, Franklin, Pa. (Abandoned.)
Stp	Mariquita	11	5	51x12x 4	1873	Champlain Trans. Co., Burlington, Vt.
Str	‡Mariska	2325	1835	282x40x21	1890	Pittsburg Steamship Co., Cleveland, O.
Str	‡Maritana	2957	2429	330x45x20	1892	Pittsburg Steamship Co., Cleveland, O.
Str	Markham, Geo. C.	309	250	141x29x11	1883	William Munroe, et al., Muskegon, Mich.
Str	‡M. & B. No. 1	1732	998	241x43x22	1902	Marquette & Bessemer D. & N. Co., Conneaut, O.
Str	‡M. & B. No. 2	2583	1516	338x56x20	1910	Marquette & Bessemer D. & N. Co., Conneaut, O.
Str	Mars	29	21	62x15x 7	1903	Keystone Fish Co., Erie, Pa.
Str	‡Mars	3748	2943	346x48x23	1901	Roy M. Wolvin, Duluth, Minn.
Str	‡Marshall, Albert M.	1640	987	241x41x18	1903	Gt. Lakes & St. Lawrence Trans. Co., D. Sullivan, Mgr., Chicago, Ill.
Str	Marshall, Maggie	365	279	150x30x11	1893	Louis Sands Salt & Lumber Co., Manistee, Mich.
Str	Marston, J. H.	117	75	128x24x 5	1882	J. H. Marston, Appleton, Wis.
Tug	Martel, Mae	38	26	71x14x 6	1895	Wm. P. Schramm, Milwaukee, Wis.
Tug	Martha	15	10	36x11x 4	1909	Martin Marine, Milwaukee, Wis.
Str	Martha	20	13	36x12x 5	1909	Martin Marine, Milwaukee, Wis.
Gas	Martha E.	6	6	26x 8x 3	1897	Charles H. Paulson, Detroit Harbor, Wis.
Gas	Martha S.	12	11	41x10x 4	1908	John Straachewski, Green Bay, Wis.
Tug	Martin, James H.	36	18	63x15x 7	1869	E. J. Hubel, Menominee, Mich.
Tug	Martin, Jas. T.	47	32	56x15x 8	1896	Great Lakes Towing Co., Cleveland, O.
Tug	Martin, John	20	12	57x14x 7	1871	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	Martin, S. K.	302	240	152x29x12	1883	M. Sicken, Marine City, Mich. Foundered 1912.
Str	Maruba	2311	1836	292x40x25	1890	The Lakewood Steamship Co., Cleveland, O.
Gas	Marvin, E. M.	7	7	28x 8x 3	1899	Emil J. Loudin, Ellison Bay, Wis.
Str	Mary	174	113	91x20x 8	1893	John W. Hatch, Ogdensburg, N. Y. (Burned 1910.)
Str	Mary	218	134	137x30x 7	1892	Harry C. Houghton, Detroit, Mich.
Str	Mary	25	17	71x13x 6	1876	A. Harrington, et al., Holland, Mich. (Sunk 1910.)
Bge	Mary	73	73	84x16x..	1898	Geo. C. Boldt, Alexandria Bay, N. Y.
Gas	Mary	11	9	42x10x 4	1911	H. M. Marsh, Chicago, Ill.
Gas	Mary	22	19	55x11x..	1908	John F. Harrigan, Detroit, Mich.
Gas	Mary A.	7	7	35x11x 4	1907	Martin Tansey, Erie, Pa.
Gap	Mary A.	9	8	27x 9x 3	1905	Anders Anderson, Arcadia, Mich.
Gay	Mary Alice	18	17	37x11x 4	1912	Nicholas Pickard, Green Bay, Wis.
Sty	Mary Alice	180	122	142x18x10	1897	Wm. J. Coreners, Buffalo, N. Y.
Tug	Mary and Norman	17	11	55x14x 6	1891	Alex Barry, Erie, Pa.
Tug	Mary and Norman	17	11	55x14x 6	1891	Thomas J. Welsh, Erie, Pa.
Tug	Mary Bell	38	24	58x11x 9	1870	A. F. Furguson, Ontonagon, Mich.
Gas	Mary E.	39	24	56x12x 5	1902	D. Jack, Fond du Lac, Wis.
Gas	Mary G.	9	7	35x10x 4	1906	George Gilbert, St. Joseph, Mich.
Str	Mary H.	209	165	116x29x 7	1886	John Homegardner, Sandusky, O.
Gay	Mary H.	5	5	26x 8x 4	1907	C. H. Hein, Green Bay, Wis.
Str	Mary L.	12	6	38x 9x 4	1903	John Chaffee, Menominee, Mich.
Str	‡Maryland	2419	1892	316x42x25	1890	Dakota Transit Co., Vance & Joys, Mgrs., Milwaukee, Wis.
Str	Mascot	13	9	42x 9x 5	1902	P. H. Keenan, Sheboygan, Wis.

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Gyt	Mascotte	36	25	59x12x 4	1905	F. A. Hardy, Evanston, Ill.
Tug	Mason, W. G.	99	54	82x22x13	1898	Great Lakes Towing Co., Cleveland, O.
Stb	Massasauga	119	77	92x17x 9	1894	Charles La Point, Buffalo, N. Y.
Str	Massachusetts	1415	1041	235x36x25	1882	Gilchrist Transportation Co., Cleveland, O.
Str	‡Mataafa	4840	3604	430x50x29	1899	Pittsburg Steamship Co., Cleveland, O.
Str	Mather, Carrie	21	14	37x12x 5	1880	Wm. Muntinga, Racine, Wis.
Str	‡Mather, Samuel	1713	1318	308x38x24	1892	Pittsburg Steamship Co., Cleveland, O.
Str	‡Mather, Samuel	6751	5408	530x60x31	1906	Interlake Steamship Co., Cleveland, O.
Str	‡Mather, Wm. G.	6838	5183	513x60x31	1905	Cleveland Cliffs Iron Co., Cleveland, O.
Str	‡Matoa	2311	1836	290x46x25	1890	Pittsburg Steamship Co., Cleveland, O.
Tug	Mattrick, Walter	91	62	76x20x 8	1908	Walter Mattick, Buffalo, N. Y.
Str	‡Mauch Chunk	4449	3609	382x50x15	1901	Lehigh Valley Trans. Co., Buffalo, N. Y.
Str	Maud	98	67	95x23x 7	1899	Belknap & Phillips, St. Clair, Mich.
Tug	Maud S.	33	16	58x15x 7	1881	Nels Nelson, Marinette, Wis.
Str	‡Mauna Loa	4951	4004	430x50x29	1899	Pittsburg Steamship Co., Cleveland, O.
Gas	Maurice F.	8	7	27x 8x 4	1909	Lars J. Abrahamson, Ludington, Mich.
Gay	Mavoureen	11	10	34x 9x 4	1909	Victor I. Minahan, Green Bay, Wis.
Str	Maxwell, E. G.	88	56	96x20x 8	1893	Whitney Bros. Co., Superior, Wis.
Str	‡Mayer, Oscar F. (nee A. Fisher)	58	39	68x16x 8	1909	Byrne Bon Dredging & Engineering Co., Chicago, Ill.
Str	Mayflower	49	33	73x15x 5	1900	Wm. Wilkins, Oshkosh, Wis.
Str	Mayflower	22	15	51x12x 6	1883	Col. C. Noble, Duluth, Minn.
Gas	Mayflower	25	19	57x11x 6	1907	Walter C. Bruszer, Chicago, Ill.
Gas	May Queen	14	12	45x10x 4	1906	Nelson St. Peter, Chicago, Ill.
Str	‡Maytham, Thos.	2329	1972	286x41x24	1892	Gilchrist Transportation Co., Cleveland, O.
Tug	Maytham, Tom	39	22	63x17x 7	1880	H. N. Jex, Toledo, O.
Str	‡Maywood	398	358	130x28x11	1905	J. B. Moran, Escanaba, Mich.
Str	‡Meacham, Daniel B.	6971	5482	530x56x31	1908	Frontier S. S. Co., W. M. Mills, Mgr., Tonawanda, N. Y.
Str	Meade, Spencer	17	13	36x10x 4	1883	Daly & Hannan, Ogdensburg, N. Y.
Str	Mecosta	1776	1418	281x40x20	1888	Gilchrist Transportation Co., Cleveland, O.
F. B.	Medill, Joseph	309	30	104x28x16	1908	Fire Department, Chicago, Ill.
Tug	Medina	56	28	66x17x10	1890	Great Lakes Dredge & Dock Co., Chicago, Ill.
Tug	Meister, C. A.	23	11	54x13x 5	1887	Cornelius Van Zanten et al., Grand Haven, Mich.
Gas	Melba	8	7	30x 9x..	1906	Oluf Nordrum, Charlevoix, Mich.
Str	Melbourne (nee City of Holland)	439	331	170x30x18	1893	Charles Beyschlag, St. Clair, Mich.
Tug	Meldrum, H. A.	68	47	71x20x 8	1899	Great Lakes Dredge & Dock Co., Chicago, Ill.
Tug	Menominee River	73	36	78x17x 9	1879	Menominee River Fire Tug Co., Marinette, Wis.
Tug	Mentor	29	14	54x14x 6	1868	Northern Dredge & Dock Co., Duluth, Minn.
Str	Mentor	305	257	118x26x 9	1881	Wm. J. Hunkin, Cleveland, O.
Str	Mercereau, W. L.	98	35	74x20x11	1910	Great Lakes Towing Co., Cleveland, O.
Str	Merchant, F. D.	12	8	42x10x 4	1905	Cheboygan Paper Co., Cheboygan, Mich.
Str	Mercur, Fred.	1224	966	232x36x20	1882	George Hall Coal Co., Ogdensburg, N. Y.
Str	Mercury	29	21	62x15x..	1891	The Lakewood Steamship Co., Hutchinson &
Str	‡Merida	3329	2389	360x45x26	1893	D. Sullivan & Co., Chicago.
Str	Merle	10	7	34x10x 6	1907	John Gehm, Buffalo, N. Y.
Str	‡Mesaba	2431	1992	292x40x25		Co., Mgrs., Cleveland, O.
					1908	Keystone Fish Co., Erie, Pa.
Tug	Meyer, John E.	133	90	78x21x12	1910	Barnett & Record Co., Duluth, Minn.
Str	Miami	228	191	131x28x10	1888	Hugh R. Havey, Detroit, Mich.
Str	‡Michigan	6924	5476	530x56x31	1906	Cleveland-Cliffs Iron Co., Cleveland, O.
C. F.	‡Michigan, Central	1522	999	263x46x16	1884	M. C. R. R. Co., Detroit, Mich.
Str	Mignon	23	15	49x11x 5	1901	E. P. Rector, Port Peninsula, N. Y.
Tug	‡Miles, Paddy	33	16	52x14x..	1891	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.
Str	‡Milinokett	6215	4947	504x52x30	1906	Milinokett S. S. Co., H. L. Shaw, Mgr., Bay City, Mich.
Tug	Miller, Dan W.	25	17	40x13x 4	1899	L. S. Goss, Toledo, O. (Rebuilt 1901.)
Str	‡Miller, Leonard B.	6291	4921	504x54x30	1909	Miller Transit Co., W. C. Richardson, Mgr., Cleveland, O.
Str	‡Miller, P. P.	3845	2858	354x48x28	1903	O. G. Donaldson, Buffalo, N. Y.
Str	Mills, David W.	925	654	202x34x13	1874	D. W. Mills, 5 Carter St., Cleveland, O.
Str	Mills, Robert	2070	1712	256x40x22	1888	James E. McAlpine, Brown & Co., Mgrs., Buffalo, N. Y.
Str	‡Mills, D. O.	6598	4850	532x58x31	1906	Interlake Steamship Co., Cleveland, O.
Gas	Mills, Edward	8	6	39x11x..	1912	John Kelting, Toledo, O.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Str	Milton	19	14	53x10x 5	1876	Horace Allen, Hammond, N. Y.
Gap	Milton D.	12	11	49x12x 3	1910	Drake & Wallace, St. Joseph, Mich.
F. B.	‡M. F. D. No. 15	194	132	106x26x13	1903	City of Milwaukee, Wis.
F. B.	M. F. D. No. 17	136	92	99x24x10	1903	City of Milwaukee, Wis.
F. B.	M. F. D. No. 23	133	90	100x24x10	1897	City of Milwaukee, Wis.
F. B.	‡M. F. D. No. 29	148	91	96x26x12	1906	City of Milwaukee, Wis.
C. F.	‡Milwaukee	2933	1755	338x56x20	1903	Grand Trunk Milwaukee Car Ferry Co., Milwaukee, Wis.
Tug	Milwaukee	82	56	70x23x11	1889	C. H. Starke Dredge & Dock Co., Milwaukee, Wis. (Rebuilt 1906.)
Str	‡Milwaukee	3327	2424	325x44x28	1902	Western Transit Co., Buffalo, N. Y.
Str	‡Minch, Anna C.	4285	3229	380x50x28	1903	Kinsman Transit Co., H. Steinbrenner, Mgr., Cleveland, O.
Str	‡Minch, Philip	5865	4471	480x52x30	1905	Kinsman Trans. Co., H. Steinbrenner, Mgr., Cleveland, O.
Gas	Mindora	12	10	31x 9x 3	1908	Shoares & Tysver, Charlevoix, Mich.
Tug	Miner, J. L.	23	11	54x14x 7	1880	Alex. Ruelle, Jr., Detroit, Mich.
Str	Mineral City	57	28	70x16x 5	1895	William J. Woods, Mt. Clemens, Mich.
Gas	Minerva L.	8	7	29x 8x 4	1905	Nels Nelson, Marinette, Wis.
Gas	Minnehaha	10	10	39x10x 3	1906	Angelo Peluso, Oswego, N. Y.
Str	‡Minnekohta (nee Wm. H. Gratwick)	2818	2202	328x42x25	1893	Chicago & Duluth Transp. Co., Chicago, Ill.
Stp	‡Minnesota			288x41x26	1888	Chicago & Duluth Transp. Co., Chicago, Ill. (Rebuilt 1911.)
Tug	Minnesota	111	60	71x20x12	1911	Great Lakes Towing Co., Duluth, Minn.
Str	‡Minneapolis	2029	1221	238x42x26	1897	Mutual Transit Co., Buffalo, N. Y.
Str	‡Minnetonka (nee Alva)	2419	2000	324x42x24	1893	Chicago & Duluth Transp. Co., Chicago, Ill.
Sty	Minnemac	27	18	...x..x..	1908	Norman Macdonald, Calumet, Mich.
Gas	Minnie H.	8	6	30x12x 3	1907	C. H. Van Valkenburgh, Chicago, Ill.
Str	Minnie M.	447	295	...x..x..	1884	John H. Hickler, Sault Ste. Marie, Mich.
Gas	Minnie R.	10	9	32x 9x 3	1905	Martin Hickey, Bailey's Harbor, Wis.
Gas	Minnie S.	6	6	35x10x 3	1906	George W. Smith, Charlevoix, Mich.
Sly	Minx	29	28	57x..x..	1889	Walter H. Oades, Detroit, Mich.
Gas	Miriam	9	5	36x10x 5	1895	Wm. L. Morrison, Erie, Pa.
Str	Mischler, C. F.	18	12	51x14x 5	1898	Jacob Pfister, Erie, Pa.
Gyt	Missabe	17	15	42x11x..	1909	W. H. Cole, Duluth, Minn.
Stp	‡Missouri	2434	1484	225x40x16	1904	Northern Mich. Trans. Co., Chicago, Ill.
Gas	‡Miss Vandenberg	197	134	90x21x 9	1909	David H. Lyon, Ogdensburg, N. Y.
Str	Mist	34	23	55x17x 6	1912	G. J. Papesch, Erie, Pa.
Str	Mitchell, Alfred	1750	1550	255x40x26	1900	Lakeside Steamship Co., Duluth, Minn.
StBge	Mitchell, Forster W.	513	405	142x32x12	1909	Petrol Traffic Co., Duluth, Minn.
Str	‡Mitchell, Samuel	2277	1870	292x40x25	1892	W. C. Richardson & Co., Mgrs., Cleveland, O.
Tug	Mocking Bird	177	113	123x23x16	1873	G. A. Tomlinson, Duluth, Minn.
Tug	Mogul	23	13	56x14x 4	1889	E. W. Kishman, Vermilion, O.
Str	‡Mohawk	2357	1616	293x43x27	1893	Western Transit Co., Buffalo, N. Y.
Tug	Mohawk	13	6	39x12x 7		Edward Lutz, Michigan City, Ind.
Str	Mohegan	1216	1014	225x39x14	1894	Luther P. Graves, Buffalo, N. Y.
Tug	Moiles, Annie	72	48	86x19x 9	1867	Benj. Boutelle, Bay City, Mich.
Str	‡Moll, Clifford F.	5141	3894	444x56x28	1909	American Steamship Co., Boland & Cornelius, Mgrs., Buffalo, N. Y.
Gas	Molly Lemon	8	8	29x 8x 3	1905	John Grafstrom, Marinette, Wis.
Gyt	Mona	16	11	47x11x 4	1911	Adam F. Wecker, Chicago, Ill.
Gyt	Monaloa	104	60	115x15x 9	1909	C. B. Borland, Chicago, Ill.
Gyt	Monimia	70	60	79x20x 9	1900	Geo. McKesson Brown, Skaneateles, N. Y.
Tug	Monitor	45	25	67x16x 9	1862	St. Lawrence River Power Co., Massena, N. Y.
Str	Monitor	15	9	48x12x 3	1882	Robert G. Goff, Grand River, O.
Str	Monitor	15	10	44x11x 4	1906	Michael Bohn, Racine, Wis.
Str	Montana	1212	952	236x36x24	1872	J. E. Sheehan, 970 Ath Ave., Detroit, Mich.
Sch	Montauk	92	73	98x17x 7	1875	Alfred E. Le Gault, et al., Lockport, Ill.
Str	‡Moon	97	81	79x16x 4	1905	George Moon, Buffalo, N. Y.
Gas	Moore, Gladie	8	7	37x 9x 4	1906	C. C. Moore, Muskegon, Mich.
Str	Moore, John W.	1961	1689	246x41x25	1890	The Moore Steamship Co., Cleveland, O.
Stp	‡Moore, M. D.	59	36	72x31x 5	1880	Winnebago Tug Boat Co., Oshkosh, Wis.
Gas	Moqui	14	12	36x 8x..	1902	H. A. Frambach, Cheboygan, Mich.
Tug	Morford, T. T.	99	57	71x20x12	1896	Great Lakes Towing Co., Cleveland, O.
Sty	Morgan	29	14	65x13x 6	1891	Allen F. Rees, Houghton, Mich.

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Str	‡Morgan, J. Pierpont, Jr.	7521	5824	550x58x32	1910	Pittsburg Steamship Co., Cleveland, O.
Str	‡Morgan, J. Pierpont	7161	5530	580x58x32	1906	Pittsburg Steamship Co., Cleveland, O.
Gas	Moris	7	6	24x 8x 4	1906	August Johnson, Marinette, Wis.
Str	Morley, W. B.	1747	1565	240x43x21	1892	Geo. Hall Coal Co., Ogdensburg, N. Y.
Gas	Morning Dip	8	7	28x 9x 3		Wm. Harting, Leland, Mich.
Gas	Morning Star	10	10	34x10x 4	1907	Mitchell Lafond, Jr., Two Rivers, Wis.
Gas	Morning Star	12	11	34x 8x 3	1904	Conrad Lain, Kewanee, Wis.
Gas	Morning Star	42	38	52x14x 8	1911	Benjamin Purnell, Benton Harbor, Mich.
Str	‡Morrell, Daniel J.	7239	5419	580x58x32	1906	Cambria Steamship Co., M. A. Hanna & Co., Mgrs., Cleveland, O.
Str	‡Morrow, Jos. S.	4895	3606	420x52x28	1906	Masaba S. S. Co., Joseph Sellwood, Mgr., Duluth, Minn.
Tug	Morse, Jay C.	99	69	77x17x 9	1867	Charles S. Hebard, Pequaming, Mich.
Str	Morse, Jay C.	6649	5087	532x58x31	1906	Interlake Steamship Co., Cleveland, O.
Str	‡Morse, Sam'l F. B.	4936	4307	455x50x29	1898	Pittsburg Steamship Co., Cleveland, O.
Tug	Mosher	68	34	64x17x10	1890	Great Lakes Towing Co., Cleveland, O.
Str	Mueller	729	578	160x32x12	1884	Wisconsin Land & Lumber Co., W. E. Holmes & Co., Agts., Chicago, Ill.
Str	Mulinix Bros.	91	83	81x24x 6	1909	J. W. Mulinix, Toledo, O.
Str	‡Mullen, Martin	4635	3471	416x50x28	1904	Hutchinson & Co., Cleveland, O.
Str	‡Muncy	3863	2946	350x46x30	1902	Erie & Western Trans. Co., Anchor Line, Buffalo, N. Y.
Str	‡Munro, Josiah G.	6971	5482	530x56x31	1907	Frontier S. S. Co., W. M. Mills, Mgr., No. Tonawanda, N. Y.
Str	‡Murphy, Simon J.	4869	3770	435x50x28	1900	Pittsburg Steamship Co., Cleveland, O.
Str	Muskegon	941	655	211x39x23	1872	A. B. Stoll, Chicago, Ill. Formerly Peerless. (Burned 1910.)
Tug	Myers Boys	27	18	59x14x 7	1903	George Owen, Ashtabula, O.
Gas	Myra	8	7	31x 8x 3	1907	Nels Olsen, Oconto, Wis.
Tug	Myrtle	41	28	52x13x 6	1900	W. B. Chapin, Cheboygan, Mich. (Rebuilt 1910.)
Tug	Mystic	63	31	76x18x 9	1871	Zenith Dredge Co., Duluth, Minn.

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Gas	Naiad	9	8	34x 7x 4	1907	Martin Mellan, Oshkosh, Wis.
Gyt	Naiad	17	10	65x 8x 4	1903	W. A. Pungs, Detroit, Mich.
Gas	Naida	12	8	..x..x..	1909	D. M. Seaman, Drummond, Mich.
Gas	Naomi	21	14	51x14x..	1908	George F. Waite, Toledo, O.
Scb	Nashotah	94	72	100x18x 6	1877	Royal Transit Co., Chicago, Ill.
Tug	‡Nashville	47	32	61x16x 8	1910	Booth Fisheries Co., Chicago, Ill.
Sty	Nautilus	57	23	92x16x10	1886	U. S. Engineer Corps, Washington, D. C.
Tug	Navagh, John	19	9	46x13x 6	1883	R. B. Knox, Duluth, Minn.
Sty	Navajo	42	28	79x12x 8	1896	George C. Sherman, Watertown, N. Y.
Gyt	Navarre	20	14	39x14x 7	1901	W. J. Turner, Milwaukee, Wis.
Str	‡Neff, Charles S.	992	800	200x38x14	1901	Chas. S. Neff, Milwaukee, Wis.
Str	Neff, M. C.	276	210	137x28x11	1888	Wm. F. Thompson, Duluth, Minn.
Str	Neff, Sidney O.	435	338	149x30x10	1890	Nessen Transportation Co., Manistee, Mich.
Str	‡Neilson, James B.	2234	1571	320x42x25	1892	Pittsburg Steamship Co., Cleveland, O.
Str	Nelles, George T.	83	42	82x22x11	1906	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	Nellie	85	85	108x21x 3	1904	Walter P. Needham, La Grange, Ill.
Gas	Nellie	7	5	27x 8x 3	1894	Ole B. Olsen, Frankfort, Mich.
Gas	Nellie	7	7	30x 8x 3	1900	Wenzel Chopek, Bailey's Harbor, Wis.
Gas	Nellie	8	6	27x 8x 4	1907	Oluf Nordrum, Charlevoix, Mich.
Str	Nellie B.	28	19	56x11x 6	1905	Cook & Brown Lime Co., Oshkosh, Wis.
Str	Nellie H.	25	17	55x11x 6	1900	Robert Beutel, Bay City, Mich.
Gas	Nellie V.	11	9	28x 9x 4	1912	Gilbert Vanderburg, Muskegon, Mich.
Tug	Nelson, George	45	23	65x18x 8	1886	R. P. Thompson, Port Huron, Mich. Total Loss.
Str	Neosho	1983	1659	266x41x23	1888	Gilchrist Transportation Co., Cleveland, O.
Gas	Neptune	9	7	44x12x 4	1906	Frank J. Weigand, Erie, Pa.
Gas	Neptune	9	8	31x11x 4	1910	Peter Sandlund, Marinette, Wis.
Gas	Neptune	10	9	30x 9x 4	1908	W. Hopkins, Traverse City, Mich.
Gyt	Neptune	10	9	27x 9x 4	1911	Vincent Sanford, Toledo, O.
Str	Neptune	11	7	34x11x 4	1907	Edward Barrett, Racine, Wis.
Str	‡Neptune	3717	2773	346x48x28	1910	Interlake Steamship Co., Cleveland, O.
Sty	Nerita	137	68	133x17x..	1887	Simon J. Murphy, Detroit, Mich.
Str	Nessen, N. J.	375	319	149x29x13	1880	Nessen Transportation Co., Manistee, Mich.
Str	Nettie	11	7	47x 8x 4	1884	H. G. Chandler, Ogdensburg, N. Y.

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Str	‡Nettleton, A. E.	6286	5006	525x55x31	1908	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Str	Newell, W. P.	15	10	39x12x 7	1900	Walter Bickley, Sandusky, O.
Gas	Newhouse, Oscar	70	65	78x20x 7	1876	William Williamson, Manitowoc, Wis.
Str	New Isl'd Wand'r	195	117	116x21x 7	1888	Thousand Isl. Stbt. Co., Cape Vincent, N. Y.
Ltr	Newman, T. F.	855	749	165x36x14	1902	Great Lakes Towing Co., Cleveland, O.
Gap	New Richmond	14	12	54x15x 4	1908	Bird & Perkins, Saugatuck, Mich.
Gas	News Boy	21	19	48x15x 3	1912	Henry Hisman, Michigan City, Ind.
Str	News Boy	199	112	104x22x 6	1889	Thousand Island Steamboat Co., Clayton, N. Y.
Str	New York	1345	1274	269x37x28	1879	New York Steamship Co., Detroit, Mich. (Foundered 1910.)
Tug	‡New York	45	31	61x16x 8	1911	Booth Fisheries Co., Chicago, Ill.
Sty	Nia	45	22	72x13x 4	1889	George M. Paine, Oshkosh, Wis.
Str	Niagara	36	24	65x12x 5	1899	J. W. Rattray, Clayton, N. Y.
Str	‡Niagara	1951	1483	266x42x20	1897	Boland & Cornelius, Buffalo, N. Y.
Str	Niagara	213	149	92x23x 8	1882	International Ferry Co., Buffalo, N. Y.
Str	Niagara	23	16	57x14x..	1908	Booth Fisheries Co., Chicago, Ill.
Str	Niagara	99	71	98x18x 7	1878	Morton Salt Co., Chicago, Ill.
Str	‡Niagara Frontier	421	287	119x39x14	1910	International Ferry Co., Buffalo, N. Y.
Str	Nicaragua	1201	911	241x37x23	1894	Ogdensburg Coal & Towing Co., Ogdensburg, N. Y.
Str	‡Nicholas, I. W.	2624	1857	328x42x27	1894	Nicholas Transportation Co., Cleveland, O.
Tug	Nicholls, J. G.	111	74	106x22x 6	1889	T. B. Cresswell, Saginaw, Mich.
Str	Nick	9	7	38x10x 4	1901	N. H. Witt, Duluth, Minn.
Str	Nightingale	56	37	76x13x 6	1890	H. S. Johnson, Clayton, N. Y.
Str	Niko	814	658	189x35x13	1889	Edward Hines Lumber Co., Chicago, Ill.
Str	Nimrod	11	7	40x10x 5	1887	Lake Champlain Transportation Co., Whitehall, N. Y.
Gap	Nina	6	6	31x 8x 4	1905	Macatawa Transp. Co., Holland, Mich.
Gas	Nina	9	8	26x 9x 3	1904	Egeduis Larsen, St. James, Mich.
Gas	Ninawa	6	5	46x 9x 2	1903	R. Schneider, Chicago, Ill.
Str	Nipigon	626	540	191x34x15	1883	W. J. Harlow, Toledo, O.
Str	Nixon, S. F.	7	5	33x11x 3	1902	Joseph and Andrew Turinski, Marblehead, Ohio.
Dge	No. 1	152	139	56x27x..	1894	Detroit Dredging Co., Detroit, Mich.
Dge	No. 1	204	204	86x33x 8	1900	Zenith Dredge Co., Duluth, Minn.
Dge	No. 1	219	153	98x30x 7	1879	Greiling Bros. Co., Green Bay, Wis.
Dge	No. 1	293	293	89x28x 7	1911	Wisconsin Dredge & Dock Co., Sheboygan, Wis.
Dge	No. 1	431	33	103x32x..		Great Lakes Dredge & Dock Co., Chicago, Ill.
Drl	No. 1	191	197	78x25x..		Great Lakes Dredge & Dock Co., Chicago.
Drg	No. 2	236	236	79x28x 8	1887	C. H. Starke Dredge & Dock Co., Milwaukee, Wis.
Drl	No. 2	325	179	106x30x 6	1904	Great Lakes Dredge & Dock Co., Duluth, Minn.
Dge	No. 2	236	236	79x28x 8	1887	C. H. Starke Dredge & Dock Co., Milwaukee, Wis.
Dge	No. 3	762	732	125x42x11	1900	Great Lakes Dredge & Dock Co., Chicago, Ill.
Drl	No. 3	406	406	110x30x6	1907	Great Lakes Dredge & Dock Co., Duluth, Minn.
Dge	No. 3	170	104	84x17x..		Great Lakes Dredge & Dock Co., Chicago, Ill.
Drl	No. 3	234	121	84x26x..		Great Lakes Dredge & Dock Co., Chicago,
Gap	No. 3	9	8	27x 9x 3	1890	Jacob Schwarz, Leland, Mich.
Drl	No. 4	...	...	130x..x..	1908	Great Lakes Dredge & Dock Co., Cleveland, O.
Drg	No. 4	259	259	85x30x 8	1890	C. H. Starke Dredge & Dock Co., Milwaukee, Wis.
Str	No. 4	58	37	65x22x 4	1883	A. J. Dupius Co., Detroit, Mich.
Dge	No. 4	332	332	101x30x 8	1890	C. H. Starke Dredge & Dock Co., Milwaukee, Wis.
Dge	No. 5	285	285	73x30x..	1889	E. M. Graves, Cleveland, O.
Drg	No. 7	292	292	90x31x 7	1891	C. H. Starke Dredge & Dock Co., Milwaukee, Wis.
Dge	No. 7	292	292	90x31x 7	1891	C. H. Starke Dredge & Dock Co., Milwaukee, Wis.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Drg	No. 8	385	385	100x33x 8	1893	C. H. Starke Dredge & Dock Co., Milwaukee, Wis.
Drg	No. 8	385	385	100x33x 8	1893	C. H. Starke Dredge & Dock Co., Milwaukee, Wis.
Drg	No. 9	959	959	132x44x13	1906	(steel) C. H. Starke Dredge & Dock Co., Milwaukee, Wis.
Drg	‡No. 9	959	959	132x44x13	1906	C. H. Starke Dredge & Dock Co., Milwaukee, Wis.
Drk	No. 11	143	143	56x30x 6	1873	Great Lakes Dredge & Dock Co., Duluth, Minn.
F. B.	No. 15, M. F. D.	194	132	106x26x14	1903	City of Milwaukee, Milwaukee, Wis.
F. B.	No. 17, M. F. D.	136	92	99x24x10	1893	City of Milwaukee, Milwaukee, Wis.
F. B.	No. 23, M. F. D.	133	90	100x24x10	1896	City of Milwaukee, Milwaukee, Wis.
F. B.	No. 29, M. F. D.	148	91	96x25x12	1906	City of Milwaukee, Milwaukee, Wis.
Scw	No. 7L	44	44	52x22x..	1902	Grant Smith & Locher, Detroit, Mich.
Str	Noble, Alfred	50	34	67x15x..	1905	U. S. Engineers' Dept.
Str	‡Noble, Benjamin	1481	887	239x42x..	1909	Capital Transp. Co., Detroit, Mich.
Str	Nokomis	70	52	125x16x 7	1901	W. H. Nichols, New York, N. Y.
Gay	Nomad	15	15	42x12x 6	1898	A. C. Sullivan, Chicago, Ill.
Tug	Norma	111	78	101x22x 6	1884	Kelley Island Lime & Transp. Co., Cleveland, O.
Gas	Norma	12	11	37x 8x 4	1904	F. M. Olson, Chicago, Ill.
Str	Normandie	567	430	160x35x11		Morton Salt Co., Chicago, Ill.
Str	‡Normania	4871	3705	420x52x28	1908	Ashtabula Steamship Co., F. H. Miner, Mgr., Rockefeller Bldg., Cleveland, O.
Gas	Norma P.	8	7	29x 9x 3	1905	Charles Frans, Thompson, Mich.
Sch	Norris, Alice B.	692	589	194x32x13	1872	E. Hines Lumber Co., Chicago, Ill.
Tug	North Harbor	73	39	68x17x11	1912	Great Lakes Towing Co., Duluth, Minn.
Str	‡North Lake	3861	2941	350x46x26	1909	Mutual Transit Co., Buffalo, N. Y.
Stp	‡North Land	4244	2339	358x44x24	1895	Northern Steamship Co., Buffalo, N. Y.
Str	‡North Sea	3921	3045	351x46x31	1909	Mutual Transit Co., Buffalo, N. Y.
Str	‡North Star	3849	2928	350x46x26	1909	Mutual Transit Co., Buffalo, N. Y.
Stp	‡North West	4244	2339	358x44x24	1894	Northern Steamship Co., Buffalo, N. Y.
Str	‡North Wind	2476	1885	299x41x25	1888	Mutual Trans. Co., Buffalo, N. Y.
Str	‡Northern King	2476	1885	299x41x25	1888	Mutual Trans. Co., Buffalo, N. Y.
Str	‡Northern Light	2476	1885	299x41x25	1888	Mutual Trans. Co., Buffalo, N. Y.
Str	‡Northern Queen	2476	1885	299x41x25	1889	Mutual Trans Co., Buffalo, N. Y.
Str	‡Northern Wave	2476	1885	299x41x25	1889	Mutual Trans Co., Buffalo, N. Y.
Gas	Norton B.	9	7	29x11x 4	1889	Charles Napier, Lakeside, O.
Str	‡Norton, David Z.	5667	4250	480x52x30	1906	W. C. Richardson & Co., Cleveland, O.
Str	Norwalk	1007	882	209x39x14	1891	Shoal Water Trans. Co., Mt. Clemens, Mich.
¶Str	‡Norway	6673	5314	504x58x26	1910	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Str	‡Nottingham, Wm.	4234	3070	380x50x28	1902	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Gas	Nourmahal	29	14	56x12x 3	1905	William Parkinson, Houghton, Mich.
Tug	N. P.	42	41	61x19x 4	1883	Philip Westaway, Duluth, Minn.
Stp	Nyack	1188	955	231x33x24	1878	Crosby Trans. Co., Grand Haven, Mich.
Str	Nyanza	2296	1870	280x41x20	1890	F. B. McBrier, Erie, Pa.
Gas	Nydia	7	6	50x 9x 3	1889	George C. Moore, South Haven, Mich.
Gyt	Nydia	19	19	48x11x 6	1907	George F. Foote, Ithaca, N. Y.
Str	‡Nye, Harold B.	4310	3365	380x50x23	1902	Keller Transit Co., Hutchinson & Co., Mgrs., Cleveland, O.

O

Str	Oades, John	1454	1225	212x36x22	1890	Morten Salt Co., Chicago, Ill.
Gay	Oceana	8	7	31x 8x 3	1902	Wm. F. Krohn, Pentwater, Mich.
Str	Oceanica	1490	1241	263x28x21	1881	Tonawanda I. & S. Co., N. Tonawanda, N. Y.
Str	Oclemena	149	109	93x18x14	1870	R. T. Green, Chelsea, Mass.
Str	‡Octorara	4329	2652	340x45x28	1910	Erie & Western Transp. Co., Buffalo, N. Y.
Str	‡Odanah	4907	3588	420x42x28		Interlake Steamship Co., Cleveland, O.
Str	‡Ogdensburg	2329	1673	242x43x27	1906	Rutland Transit Co., Ogdensburg, N. Y.
Str	Ogemaw	594	325	167x30x13	1881	Wm. E. Pierce, W. Bay City, Mich.
Tug	Oggel, E. C.	25	17	49x13x 6	1874	Simon Schacht, Erie, Pa.
Str	‡Oglebay, E. W.	3666	3019	375x45x26	1896	Gilchrist Transportation Co., Cleveland, O.
Tug	Ogontz	65	45	80x19x 9	1892	Mrs. M. R. Pickands, Cheboygan, Mich.
Str	Ohio	112	61	71x20x13	1910	The Great Lakes Towing Co., Cleveland, O.
Str	‡Ohl, Edwin N.	5141	3818	420x54x28	1907	W. H. Becker, Cleveland, O.
Tug	Ojeda	9	....	38x10x 5	1893	Gladstone Tug Line, Gladstone, Mich.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Str	‡Olcott (nee Lakeside)	337	229	148x28x28	1901	The Peninsula Stbt. Co., Sandusky, O.
Tug	Olcott, W. J.	76	26	83x19x10	1910	Great Lakes Dredge & Dock Co., Duluth, Minn.
Str	‡Olcott, Wm. J.	7568	5712	580x58x33	1910	Pittsburg Steamship Co., Cleveland, O.
Dge	Old Hickory	773	400	129x43x 8	1907	Duluth-Superior Dredge Co., Duluth, Minn.
Str	Ole	8	6	27x 9x 3	1909	Ole Johnson, Chicago, Ill.
Str	‡Oliver, Henry W.	4909	3617	444x50x28	1899	Wilson Transit Co., Cleveland, O.
Gas	Olivia	8	7	34x11x 3	1899	Fred W. Cramer, Pentwater, Mich.
Gas	Olson, Emma S.	11	10	31x..x..	1909	Andrew Olson, Frankfort, Mich.
Gas	Olympic	10	7	35x 8x..	1909	W. H. Francis, Charlevoix, Mich.
Str	Omaha	1231	939	215x34x19	1887	Capt. Henry Russell, 117 Morse St., Ogdensburg, N. Y.
Str	Omega (nee Fayette Brown)	2080	1217	302x40x21	1887	Omega Transportation Co., Detroit, Mich.
Gay	Onaway	16	15	40x 9x 4	1907	P. F. Thrall, Green Bay, Wis.
Tug	Onekama	33	26	57x16x 5	1883	George W. Smith, Charlevoix, Mich.
Str	Onoko	2164	1933	287x39x25	1882	The Nicholas Transit Co., Cleveland, O.
Str	‡Ontario	5494	4153	444x56x31	1910	Northern Lakes S. S. Co., G. Vonden Steinen, Mgr., Cleveland, O.
Gas	Onward	24	6	66x11x 4	1906	M. F. Rittenhouse, Chicago, Ill.
Gas	Onward	9	8	28x 9x 3	1911	Wm. Harting, Leland, Mich.
Gas	Opitsah	8	8	32x12x 4	1904	Martin Nelson Marinette, Wis.
Gas	Ora et Labora	9	7	33x12x 4	1907	Rudolph Komnatzki, Michigan City, Ind.
Str	Orinoco	2226	1928	295x44x23	1898	James Davidson, W. Bay City, Mich.
Str	Orion	2283	1590	283x42x18	1901	Thrall S. S. Co., Green Bay, Wis.
Str	‡Orizaba	76	49	94x13x 7	1875	Norwood & St. Lawrence Ry. Co., Waddington, N. Y.
Str	‡Orr, Arthur	2745	2117	335x41x25	1893	Canada-Atlantic Trans. Co., Montreal, Can.
Str	‡Orr, George N.	2872	2280	326x42x25	1896	Canada-Atlantic Trans. Co., Montreal, Can.
Tug	‡Osborn, Chase S.	492	334	128x25x13	1906	Frank Perry, Sault Ste. Marie, Mich.
Str	Osborn, Chase S.	32	21	64x13x 4	1907	Wm. Oates, State Game Warden, Lansing, Mich.
Str	‡Osborne, F. M.	4309	3377	380x50x28	1902	James Davidson, Bay City, Mich.
Tug	‡Oscar I.	...	....	...x..x..	1911	New Aetna Portland Cement Co., Fenton, Mich.
Str	Oscoda	529	345	175x32x13	1878	Edward Hines Lumber Co., Chicago, Ill.
Str	O'Shanter, Tam	23	11	49x14x 6	1892	Lake Erie Dredging Co., Buffalo, N. Y.
Gas	Osra	13	12	35x10x 3	1897	Levene Peterson, Sturgeon Bay, Wis.
Str	Otis, John	301	254	147x32x10	1864	Mullen Coal Co., Amherstburg, Ont.
Str	Otter	18	15	48x12x 5	1900	Frank A. Passeno, Cheboygan, Mich.
Stp	‡Owana	747	420	200x32x20	1899	White Star Line, Detroit, Mich.
Gasy	Owatonna	12	8	55x 9x 4	1908	Charles M. Engler, Chippewa Bay, N. Y.
Str	‡Owego	2611	1776	325x41x26	1888	Erie Railroad Lake Line, Buffalo, N. Y.
Tug	Owen, John	328	245	136x25x12	1874	Frank Perry, Sault Ste. Marie, Mich.
Str	‡Owen, John	2127	1609	281x41x21	1889	Owens Trans. Co., Detroit, Mich.

P

Str	Pabst, Fred	2430	1029	287x42x29	1890	Reid Wrecking Co., Sarnia, Ont.
Tug	Pacific	42	25	63x16x 8	1876	D. E. Stevens, Duluth, Minn.
Str	Packer, Harry E.	1142	962	225x35x19	1882	Tonawanda Iron & Steel Co., N. Tonawanda, N. Y.
Str	‡Paine, William A.	5798	4435	480x52x30	1905	Hutchinson & Co., Cleveland, O.
Tug	Pallister	34	17	67x15x 6	1873	Estate of L. S. Sullivan, Toledo, O. Rebuilt 1900.
Str	‡Palmer, Wm. P.	7602	5746	580x58x32	1912	Fred Hintze, Chicago, Ill.
Gas	Panama	10	7	37x 9x 5	1910	Pittsburg S. S. Co., Cleveland, O.
Str	Panama	2044	1596	275x41x..	1888	Davidson Steamship Co., Duluth, Minn.
Dge	Pan American No. 12 456		310	130x42x..	1901	Great Lakes Dredge & Dock Co., Chicago.
Str	‡Panay	3811	2778	356x50x28	1902	E. D. Carter, Erie, Pa.
Tug	Pankrantz, Geo.	63	29	72x20x 9	1882	John T. Regan, Fayetteville, N. Y.
Str	Panther	1634	1140	247x36x22	1890	American Steamship Co., Milwaukee, Wis.
Gas	Papyrus	9	8	31x 7x 4	1903	Central Paper Co., Musekgon, Mich.
Str	‡Parent, S. N.	1640	987	241x41x18	1903	Gt. Lakes & St. L. Trans. Co., D. Sullivan, Mgr., Chicago, Ill.
Str	Parks, O. E.	392	289	134x28x11	1891	John H. Lutz, et al., Michigan City, Ind.
Str	‡Parks, Sheldon	6611	5049	532x56x31	1906	Commonwealth Steamship Co., John T. Kelly, Mgr., Leader-News Bldg., Cleveland, O.
Str	Parmelee, J. W.	30	15	61x17x 7	1883	Mrs. Mariette O'Neil, Charlevoix, Mich.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Tug	Partridge, Col. J. N.	14	11	36x12x..	1900	Empire Engineering Corporation, Buffalo, N. Y.
Sty	Pastime	49	29	94x16x 7	1887	F. H. Walker, Detroit, Mich.
Str	Pastime	20	13	60x10x 4	1888	T. A. Gillespie, Glayton, N. Y.
Sty	‡Pathfinder	159	111	133x18x10	1896	F. W. Morgan, Chicago, Ill.
Str	‡Pathfinder	2424	1761	320x42x25	1892	Interlake Steamship Co., Cleveland, O.
Gas	Paul	12	11	38x10x 4	1906	Michael Jeka, Milwaukee, Wis.
Gas	Paul D.	6	6	32x 8x 4	1911	John L. Daly, Milwaukee, Wis.
Str	Paul L.....	147	92	123x25x 6	1907	W. W. LeFevre, Tustin, Wis.
Str	Pawnee	639	475	174x32x13	1888	H. McMorran, Port Huron, Mich.
Gay	Pazaga	13	12	36x 9x 3	1905	Joseph Turck, Green Bay, Wis.
Gas	Pearl	7	6	29x 8x 3	1905	Peter Johnson, Marinette, Wis.
Gyt	Pearl	19	18	38x11x 5	1911	Charles A. Lindner, Grand Rapids, Mich.
Gas	Pearl D.	10	8	28x10x 3	1904	Charles Bird et al., Cheboygan, Mich.
Str	‡Peavey, Frank H...	5002	3871	430x50x29	1901	Peavey S. S. Co., G. A. Tomlinson, Mgr., Duluth, Minn.
Str	‡Peavey, Geo. W.....	4997	3861	430x50x29	1901	Peavey S. S. Co., G. A. Tomlinson, Mgr., Duluth, Minn.
Str	Peck, E. M.....	1809	1372	253x40x19	1888	Calumet Transit Co., Milwaukee, Wis.
Tug	Peckham, W. N. ...	17	8	43x13x..	1892	A. C. Vroman, Buffalo, N. Y.
Tug	Peerless	14	12	41x11x 4	1911	Edward R. Masten, Port Clinton, O.
Tug	Peerless	77	50	76x19x 9	1893	Great Lakes Towing Co., Cleveland, O.
Gas	Pelican	8	6	25x10x 4	1909	W. L. Foster, Cleveland, O.
Bge	‡Pellett, Jas. H.....	346	296	170x36x..	1905	Kelley Isl. Lime & T. Co., Cleveland, O.
Str	Pennsylvania	394	377	160x36x 8	1901	Ogdensburg Coal & Towing Co., Ogdensburg, N. Y.
Str	Penobscot	249	173	129x27x 9	1880	H. C. Hansen, Cleveland, O.
Str	‡Penobscot	4077	3530	454x44x22	1895	The Lake Transit Co., H. L. Shaw, Mgr., Bay City, Mich.
Str	Pentland	827	617	193x36x14	1894	The Pentland Steamship Co., F. L. Leckie, Sec., Cleveland, O.
Str	P. Marquette 3.....	924	678	190x33x22	1887	Pere Marquette Line Steamers, Manistee, Mich.
Str	P. Marquette 4.....	941	680	186x35x22	1888	Pere Marquette Line Steamers, Manistee, Mich.
Str	P. Marquette 5.....	1722	1296	226x38x24	1890	Pere Marquette Line Steamers, Manistee, Mich.
Str	P. Marquette 6.....	371	303	131x29x18	1888	Pere Marquette Line Steamers, Manistee, Mich.
Str	Pere Marquette 7...	141	112	112x22x11	1903	Pere Marquette Line Steamers, Manistee, Mich.
Str	P. Marquette 14....	2531	1655	350x52x21	1904	Pere Marquette S. S. Co., Detroit, Mich.
C.F.	P. Marquette 16....	1938	1317	283x53x19	1895	Pere Marquette S. S. Co., Detroit, Mich.
C.F.	‡P. Marquette 17....	2775	1685	338x56x20	1901	Pere Marquette S. S. Co., Detroit, Mich.
C.F.	‡P Marquette 18....	2909	1722	338x56x20	1902	Pere Marquette S. S. Co., Detroit, Mich. (Lost 1910.)
C.F.	‡P. Marquette 18....	2777	1660	338x57x21	1910	Pere Marquette S. S. Co., Detroit, Mich.
C.F.	‡P. Marquette 19....	2626	1548	338x56x20	1903	Pere Marquette S. S. Co., Detroit, Mich.
C.F.	‡P. Marquette 20....	2626	1495	338x56x20	1903	Pere Marquette S. S. Co., Detroit, Mich.
C.F.	‡Pere Marquette	2443	1634	338x56x28	1896	Pere Marquette S. S. Co., Detroit, Mich.
Str	Perew, John	20	14	42x13x 6	1900	Joseph B. Blake, Buffalo, N. Y.
Str	‡Perfection	2209	1151	250x43x23	1911	Standard Oil Co., New York.
Nas	Perhaps	13	9	35x10x 4	1899	T. N. Okerstrom, Port Wing, Wis.
Nas	Perhaps	13	9	35x10x 4	1897	I. N. Okerstrom, Port Wing, Wis.
Str	‡Perkins, Geo. W....	6406	4922	558x52x26	1905	Pittsburg Steamship Co., Cleveland, O.
Stp	Perry, D. P.....	37	29	75x14x 6	1902	Macatawa Transp. Co., Holland, Mich.
Str	Perry, Oliver H....	76	44	74x18x 8	1902	Ohio Fish & Game Commission, Columbus, O.
Str	Perry, Wm. G.....	481	320	162x36x 9	1901	Pittsburg Coal Co., Cleveland, O. Rebuilt 1902.
Tug	Persons' Sons, C....	49	34	56x16x 9	1899	James Stewart & Co., New York, N. Y.
Str	‡Perseus	4978	3370	464x50x28	1905	Interlake Steamship Co., Cleveland, O.
Str	Peters ..... (nee Jim Sheriff)	634	561	182x32x15	1883	Nessen Transportation Co., Manistee, Mich.
Stp	Petosega ..... (nee Topinabee)	36	24	64x14x 5	1899	Wm. Hunbor, Traverse City, Mich.
Stp	Petoskey	770	544	171x30x20	1888	Chicago & South Haven S. S. Co., South Haven, Mich.
Tug	Petrel	34	23	52x14x 6	1895	Frank L. Mago, Tonawanda, N. Y.
Gyt	Petrel	33	32	56x15x 7	1906	Ernest Venn, Detroit, Mich.
Gas	Petrel	9	7	28x 9x 3	1902	Louis Rodel, Frankfort, Mich.
Gas	Petrolia	10	10	28x 8x 3	1910	Stanley Voight, Gill Rock, Wis.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Str	Phelps, Frank D....	83	57	90x20x 8	1903	Peoples Milling Co., Chaumont, N. Y.
Str	Phenix	1294	1035	240x38x18	1884	Geo. Hall Coal Co., Ogdensburg, N. Y.
Tug	‡Philadelphia	45	31	61x16x 8	1911	Booth Fisheries Co., Chicago, Ill.
Str	‡Phipps, Henry 7240		5450	580x58x32	1906	Pittsburg Steamship Co., Cleveland, O.
Str	Pickands, H. S.	625	505	181x32x14	1884	The Harvey-Morrison Co., Cleveland, O.
Sty	Picket	39	20	84x14x 7	1887	U. S. Engineer Corps, Duluth, Minn.
Str	Pierce, E. M.....	112	61	71x20x..	1909	Great Lakes Towing Co., Cleveland, O.
Gyt	Pilot	22	15	61x10x 5	1901	Eugene Gouchias, Mackinac Island, Mich.
Gas	Pilot	7	7	28x 8x 3	1897	Nels Nelson, Marinette, Wis.
Str	Pine Lake	388	274	137x28x12	1895	John M. McKerchey, Detroit, Mich. Lost.
Str	‡Pioneer 1123		774	226x35x18	1892	Cleveland-Cliffs Iron Co., Cleveland, O.
Tug	Pioneer	88	71	98x19x 6	1887	C. G. Schlatter, Saginaw, Mich.
Gas	Pioneer	10	10	28x 9x 3	1912	William Grosse, Little Suamico, Wis.
Gas	Pioneer	11	10	35x10x 4	1906	O. N. Hansen, Chicago, Ill.
Tug	Pioneer 13		9	38x10x..	1904	Mrs. M. R. Pickands, Cheboygan, Mich.
Gas	Pioneer	14	10	46x13x 6	1912	National Brick Co., Chicago, Ill.
Gas	Pirate	10	9	29x 9x 3	1908	Curtis Johnson, Jackson Harbor, Wis.
Str	Pittsburg	...	....	...x..x..	....	Pittsburg Steamship Co., Cleveland, O.
Tug	‡Pittsburg	45	31	61x16x 8	1911	Booth Fisheries Co., Chicago, Ill.
Ltr	‡Pittsburg 1270		620	134x40x22	1911	Pittsburgh Coal Co., Cleveland, O.
Str	Plankinton, John ...1821		1461	267x41x23	1886	Pittsburg & Erie Coal Co., George B. Taylor, Mgr., Erie, Pa.
Str	Pleasure	489	293	128x39x14	1894	Detroit, Belle Isle & Windsor Ferry Co., Detroit, Mich.
Spd	Plietz, Wm. F.....	29	17	52x14x 3	1902	Henry Leidheiser, Vermilion, O.
Spd	Plietz, Wm. F.	29	17	52x14x 3	1902	John H. Werner, Lorain, O.
Str	Plow Boy	65	57	77x21x 7	1887	H. D. Clow, Duluth, Minn. (Rebuilt 1905.)
Dge	Pocantico	261	261	95x39x 7		Empire Engineering Corporation, Buffalo, N. Y.
Str	‡Poe, Gen. Orlando M. 5619		4144	470x50x29	1900	Pittsburg Steamship Co., Cleveland, O.
Gas	Pointer	18	12	46x12x 5	1911	John H. Hill, Chicago, Ill.
Gas	Police No. 2..	13	9	42x11x 4	1912	City of Chicago.
Str	‡Pollock, W. G.....4872		3585	420x52x28	1906	W. H. Becker, Cleveland, O.
Str	‡Polynesia 3640		2596	376x46x26	1897	Australia Transit Co., Cleveland, O.
Str	‡Pontiac 2298		1788	300x40x24	1889	Cleveland-Cliffs Iron Co., Cleveland, O.
Dge	Pontiac	221	221	93x36x 6		Empire Engineering Corporation, Buffalo, N. Y.
Str	‡Pope, E. C.....2637		2064	317x41x24	1891	The Lake Transit Co., H. L. Shaw, Mgr., Bay City, Mich.
Bge	Portage	126	126	93x29x 8	1881	Great Lakes Dredge & Dock Co., Chicago, Ill.
Gas	Porpoise	14	13	36x10x 5	1911	Harry S. Hinkle et al, Benton Harbor, Mich.
Tug	‡Portia	21	14	39x11x 7		Fuller & Lamoreaux, Muskegon, Mich.
Scw	Porto Lapidum	722	722	198x38x12	1903	The Breakwater Co., Cleveland, O.
Tug	Potawatomie	18	11	48x11x 5	1871	Geo. H. Waters, Jr., Frankfort, Mich.
Str	Potter, Charles A. ..	24	17	56x14x 6	1910	The Leidheiser Bros. Fish Co., Vermilion, O.
Tug	Potter, Geo. R.....	133	66	78x20x 9	1887	Buffalo Fire Dept., Buffalo, N. Y.
Dge	Powell, L. G.....143		121	105x27x..	1903	The Fishack Gypsum Co., Toledo, O.
Gas	Preble	10	9	27x 9x 4	1905	Gus Connard, Green Bay, Wis.
Str	Prentice, James H.	535	398	167x32x13	1885	Soper Lumber Co., Chicago, Ill.
Str	‡Presque Isle 4578		3570	406x50x28	1898	P. R. Isle Trans. Co., Cleveland-Cliffs Iron Co., Mgr., Cleveland, O.
Gas	Presque Isle	41	35	61x17x 8	1907	W. A. Adams, Erie, Pa.
Sty	Presto	22	15	72x 9x 4	1897	Loyal L. Smith, Waldorf Astoria, N. Y.
Str	Price, Charles S. ..6322		4901	504x54x30	1910	The Mahoning Steamship Co., Cleveland, O.
Str	Prince, F. H.....2047		1547	240x42x25	1890	Rutland Trans. Co., Ogdensburg, N. Y. (Burned, 1911.)
Gas	Prince Olaf	12	11	32x 9x 4	1907	John Nordrum et al, Charlevoix, Mich.
Gas	Princess	7	6	26x 8x 3	1906	Olsen & Sandberg, Manistee, Mich.
Str	‡Princeton 5125		3820	454x50x28	1900	Pittsburg Steamship Co., Cleveland, O.
Tug	Princeton	43	21	57x16x 8	1882	Great Lakes Towing Co., Cleveland, O.
Str	Pringle, John C.....	474	389	173x31x12	1880	Hugh R. Havey, Detroit, Mich.
Stp	Prior, Ethel J.	18	9	46x12x 6	1890	James Pryor, Houghton, Mich.
Scy	‡Priscilla	75	71	85x22x 9	1885	Geo. H. Worthington, Cleveland, O.
Tug	Proctor, Wm. L.....	117	58	104x20x10	1883	Ogdensburg Coal & Towing Co., Ogdensburg, N. Y.
Str	Promise	473	295	119x38x15	1892	D. B. I. & W. F. Co., Detroit, Mich.
Tug	Protection	60	30	77x15x 9	1873	Great Lakes Towing Co., Cleveland, O.
Tug	Protection	161	135	113x24x 7	1888	Wm. Hendrickson, Sandusky, O. Rebuilt 1904.

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Str	‡Protector	176	119	101x21x 9	1905	The Lake Champlain Transportation Co., Whitehall, N. Y.
Sty	Pryun	56	38	88x16x 8	1900	Addie W. Chesebrough, Bay City, Mich.
Gay	Psyche	15	13	36x10x 5	1909	R. H. Kellogg, Green Bay, Wis.
Str	Pueblo	1349	1054	225x37x20	1891	Canada Cement Transport Ltd., Montreal.
Gas	Pup	11	9	37x 9x 5	1910	Samuel J. Skimin, Traverse City, Mich.
Str	‡Puritan	1762	1267	260x40x25	1901	Graham & Morton Trans. Co., Chicago, Ill.
Tug	Pup	13	6	45x12x 5	1884	Herman Kaden, Sheboygan, Wis.
Str	Puritan	10	5	70x19x 5	1894	Emma Roeder, Buffalo, N. Y.
Tug	Puritan	20	10	59x13x 5	1892	Hugh McGrory, Erie, Pa.
Str	‡Put-in-Bay	1182	731	226x46x18	1911	Ashley & Dustin, foot First St., Detroit, Mich.
	Q					
Tug	Queen	29	19	51x14x 6	1897	Geo. A. Boldt, Alexandria Bay, N. Y.
Gas	Queen	6	5	25x 8x 3	1906	Charles Hansen, Marinette, Wis.
Str	Queen Anne	14	9	44x 9x 3	1895	Enburg-Martin Lumber Co., Cheboygan, Mich.
Str	‡Queen City	3979	3198	400x48x28	1896	Pittsburg Steamship Co., Cleveland, O.
Tug	Queen City	24	17	53x13x 6	1906	W. J. Hingston, Buffalo, N. Y.
Gay	Queen of the Lake	18	16	46x12x 5		Henry Boyle, Fond du Lac, Wis.
Tug	Quickstep	10	5	41x11x 5	1869	John J. Sullivan, Detroit, Mich.
Tug	Quinn, Jas. A.	42	21	62x16x 9	1881	Great Lakes Towing Co., Cleveland, O.
	R					
Gas	R. & D.	9	9	27x 9x 3	1910	Herman Detzman, Green Bay, Wis.
Tug	Raber, Violet H.	50	25	81x16x 7	1891	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	Racine	1089	740	173x32x21	1901	Chicago, Racine & Milwaukee Line, Chicago, Ill.
Gas	Ragna	6	5	23x 8x 3	1909	John Ellefson, Washington Harbor, Wis.
Tug	Rainbow	16	7	47x12x 5	1894	Charles A. Mattison, Vermilion, O.
Str	Raleigh	1205	1104	227x34x24	1871	Henry Wineman, Jr., Detroit, Mich. (Lost, 1911.)
Str	Ralph, P. J.	964	658	211x37x14	1889	W. E. Holmes & Co., Agents, Chicago, Ill.
Tug	Ralph	42	21	60x15x 8	1874	F. W. Fletcher, Alpena, Mich.
Gas	Rambler	12	10	39x10x 4	1908	George Pomeroy, St. Ignace, Mich.
Sqt	‡Rambler	288	196	155x23x12	1899	Charles H. Thorne, Chicago, Ill.
Sty	‡Ramona	59	31	95x17x 7	1886	Thousand Island Steamboat Co., Cape Vincent, N. Y.
Gas	Randolph	10	9	30x10x 4	1900	John Lafond, Manistique, Mich.
Str	‡Ranney, Rufus P.	4797	3505	420x52x28	1908	Triton S. S. Co., A. E. Williams, Mgr., Cleveland, O.
Str	Ranney, Rufus P.	1627	1233	247x36x20	1881	M. A. Bradley, Cleveland, O. Rebuilt 1902.
Sch	Ransom, Harvey	28	27	59x16x 5	1887	Daniel W. Seavey, Frankfort, Mich.
Gap	Rapid Transit			41x 8x 3.5	1911	Cleve Hamper, Indian River, Mich.
Str	Raser, George B.	554	401	169x36x 7	1896	W. H. Havens, Ashtabula, O. Rebuilt 1901.
Gyt	Raven	78	53	90x17x 7	1911	Carl G. Fisher, Indianapolis, Ind.
Gas	Ray	10	8	32x 9x 4	1902	William DeYoung, Ludington, Mich.
Str	Raymond	27	21	53x15x 6	1910	Eugen Loesch, Erie, Pa.
Str	Raymond	27	21	52x15x 6	1910	Enger Loesch, Erie, Pa.
Gas	Raymond B.	6	6	25x 8x 3	1907	Joseph Burkhardt, Oconto, Wis.
Gas	Raymond B.	9	7	32x10x 3	1911	John Borgerson, Dutton's Bay, Mich.
Str	‡Ream, Norman B.	7053	5444	580x58x32	1906	Pittsburg Steamship Co., Cleveland, O.
Gay	Rebel	6	5	25x 8x 3	1894	R. T. Bennis, Green Bay, Wis.
Str	Reckinger, P.	42	21	61x14x 7	1892	H. Van Ells, Port Washington, Wis.
Str	Rector, Edward P.	368	232	123x..x..	1902	Kelley Island L. & T. Co., Cleveland, O.
Tug	‡Record	59	30	68x17x 9	1884	Great Lakes Towing Co., Cleveland, O.
Gas	Red Bird	16	13	50x 7x 4	1912	George E. Clark, Omgo, Wis.
Str	Redfield Jr.	30	30	46x12x 6	1904	Henry Nettekoven, Oshkosh, Wis.
Gas	Red Wing	8	7	35x10x 4	1907	A. D. Shawl, Cheboygan, Mich.
Gas	Red Wing	13	9	54x12x 3	1908	Charles Sjoquist, Duluth, Minn.
Str	Reed, Charles	44	22	67x17x..	1908	J. N. Dewey, Toledo, O.
Str	‡Reed, James H	5593	4125	448x52x28	1903	Interlake Steamship Co., Cleveland, O.
Str	‡Rees, W. D.	3760	2992	396x45x28	1896	Wilson Transit Co., Cleveland, O.
Gas	Reidal, W.	15	13	33x11x 4	1910	Edward Olson, Frankfort, Mich.
Str	‡Reiss, John P.	6432	4963	504x54x30	1910	R. A. Williams, Mgr., Rockefeller Bldg., Cleveland, O.
Str	‡Reis, Wm. E.	4748	3154	416x50x28	1900	John Mitchell, Cleveland, O.

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Str	‡Reiss, Peter	5923	4217	512x54x30	1910	North American S. S. Co., Duluth; R. A. Williams, Mgr., Cleveland, O.
Gas	Reliable	6	6	28x10x 3	1906	George Windross, Pensanky, Wis.
Str	Reliable	97	44	91x23x 6	1880	Edward Q. Krause, Milwaukee, Wis.
Gas	Reliance	13	9	37x 9x 2	1905	Henry W. Miller, Green Bay, Wis.
Gas	Reliance	14	13	45x15x 4	1905	Ruth M. Weborg, Marinette, Wis.
Str	Relief	34	20	71x17x 4	1878	James Rolson, Chicago, Ill.
Sty	Rembha	47	22	75x15x 8	1886	Phil Kegel, Chicago, Ill.
Str	Rend, Wm. P.	2323	1697	288x40x24	1888	W. P. Rend, Chicago, Ill.
Str	‡Renown	4154	2098	373x52x25	1912	Standard Oil Co., Whiting, Ind.
Str	‡Renssalaer	5124	3827	454x50x29	1900	Pittsburg Steamship Co., Cleveland, O.
Gay	Reomar	52	45	79x14x..	1909	R. E. Olds, Lansing, Mich.
Str	‡Republic	2991	2052	364x40x25	1890	M. A. Hanna & Co., Cleveland, O.
Ltr	‡Rescue	894	790	180x37x15	1904	Great Lakes Towing Co., Cleveland, O.
Tug	Rescue	37	18	60x15x 6	1885	Daly & Hannan, Ogdensburg, N. Y.
Sty	‡Restless	104	52	116x16x 8	1887	H. W. Sibley, Rochester, N. Y.
Gyt	Result	17	17	48x16x 5	1898	Nan Mott Pingree, Fairhaven, Mich.
Tug	Rhea	10	7	38x11x..	1907	A. J. Storms, Duluth, Minn.
Str	Rhoda Emily	570	416	166x32x12	1884	Gus. Clausson, 371 5th Ave., Milwaukee, Wis.
Str	‡Rhodes, Josepa W.	4871	3586	420x52x28	1906	W. H. Becker, Cleveland, O.
Str	‡Rhodes, W. Castle.	2176	1340	242x42x27	1900	Mutual Transit Co., Buffalo, N. Y.
Str	Rice, Owen	16	14	47x14x 3	1903	Booth Fisheries Co., Chicago, Ill.
Str	Richard B.	63	33	76x17x 7	1901	Commissioners of Lincoln Park, Chicago.
Str	‡Richardson, Granville A.	2237	1790	266x41x26	1893	Erie Railroad Lake Line, Buffalo, N. Y.
Str	Richardson, Walter W.	22	13	47x13x 6	1884	Duluth Marine Supply Co., Duluth, Minn.
Str	‡Riddle, J. Q.	6832	5376	532x56x31	1906	Commonwealth Steamship Co., R. A. Williams, Mgr., Rockefeller Bldg., Cleveland, O.
Gas	Ripple	10	9	49x11x..	1908	Henry Reno, Toledo, O.
Tug	Riter, Chas. M.	32	16	54x16x 9	1876	Great Lakes Dredge & Dock Co., Chicago, Ill. (Rebuilt 1889.)
Tug	River Queen	82	41	82x17x 7	1866	M. D. Olds, Cheboygan, Mich.
Str	‡Riverside	124	90	84x19x 6	1892	F. Dana, Alexandria Bay, N. Y.
Gas	Roamer	8	6	32x 7x 4	1906	Eugene C. Baldwinsville, Erie, Pa.
Str	‡Roanoke	423	263	165x27x 9	1871	A. D. Campbell, Michigan City, Ind.
Str	‡Robbins, Francis L.	4222	3036	380x50x28	1905	W. H. Becker, Cleveland, O.
Str	Robbin III (nee Frank Edward)	45	30	58x14x 6	1890	N. Robbins, Grand Haven, Mich.
Gas	Robert R.	35	33	67x15x 5	1908	Sanitary District of Chicago, Ill.
Str	Roberts, John	355	288	133x31x 7	1899	Milwaukee Sand & Gravel Co., Milwaukee,
Str	Roberts, Jr., Percival	....	....	580x58x32		Pittsburgh Steamship Co., Cleveland, O. Wis.
Tug	Robertson, Duncan.	37	23	62x16x 7	1884	Zenith Dredge Co., Duluth, Minn.
Str	Robinson, Lucius W.	1655	1004	244x43x22	1912	George Hall Coal Co., Ogdensburg, N. Y.
Str	‡Rochester	1603	867	246x42x16	1910	Richelieu & Ontario Nav. Co. of the U. S., Montreal, Can.
Str	‡Rochester	4571	3855	383x50x30	1907	Western Transit Co., Buffalo, N. Y.
Str	‡Rockefeller, Frank.	2759	2013	366x45x26	1896	Pittsburg S. S. Co., Cleveland, O.
Tug	‡Rocket	39	27	63x15x 8	1901	William Tallman, Erie, Pa.
Tug	Rogers, George	64	33	77x18x 8	1889	W. L. Martin, Cheboygan, Mich.
Str	‡Rogers, Henry H.	7053	5444	580x58x32	1906	Pittsburg Steamship Co., Cleveland, O.
Str	‡Rogers, Wm. A.	6524	5101	525x55x31	1905	Niagara Transit Co., W. M. Mills, Mgr., N. Tonawanda, N. Y.
Tug	Rollar, Wm.	28	14	56x16x 8	1882	The Standard Contracting Co., Cleveland, O.
Gas	Rollo	15	13	36x11x 4	1911	Wm. Latura, Bois Blanc Island, Mich.
Str	Roma	15	10	57x13x 4	1900	J. R. Dewey & Co., Toledo, O.
Str	‡Roman	2348	1875	296x40x25	1891	Pittsburg Steamship Co., Cleveland, O.
Stp	‡Roosevelt, Theo.	1955	1330	276x40x23	1906	Indiana Trans. Co., 144 S. Water St., Chicago, Ill.
Str	Root, H. A.	198	161	115x26x 9	1886	Cream City Sand Co., Milwaukee, Wis.
Tug	Rooth, W. A.	48	32	81x16x 8	1871	Great Lakes Towing Co., Cleveland, O. Rebuilt 1885.
Gas	Roper, W. T.	13	9	39x13x 4	1910	Charles Osborn, Toledo, O.
Stp	Rose, Fanny M.	33	17	75x14x 6	1893	Edwin N. Emery, Mapleton, Mich.
Gas	Rosey	7	7	26x10x 3	1906	E. G. F. Gustofson, Brevort, Mich.
Gas	Rosie K.	8	7	29x 8x 4	1909	August Koss, Milwaukee, Wis.
Gyt	Roslyn	18	17	57x11x..	1907	Marshall Sheppy, Toledo, O.
Str	Ross, Myrtle M.	156	108	114x20x 8	1890	Berst Mfg. Co., Saginaw, Mich.

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Gas	Rough Rider	12	12	34x10x 4	1907	Edw. Carron, Two Rivers, Wis.
Str	Roumania	1837	1441	273x39x23	1887	W. C. Richardson & Co., Cleveland, O.
Sty	Rowena	69	47	96x16x 7	1905	D. P. McQueen, Schenectady, N. Y.
Str	Rowira	35	24	57x14x 7	1900	Ranney Fish Co., Cleveland, O.
Tug	Roy, R. T.	24	15	54x14x 6	1891	David Lincoln, Alpena, Mich.
Str	Royal	27	21	53x16x 6	1910	Carl R. Daggett, Erie, Pa.
Str	Royal	27	21	52x15x 6	1910	Carl R. Daggett, Erie, Pa.
Tug	Ruby	33	16	54x14x 6	1886	Great Lakes Dredge & Dock Co., Chicago, (Abandoned 1910.)
Gas	Ruby	6	6	25x 8x 3	1907	George Laford, Sturgeon Bay, Wis.
Gas	Ruby	6	6	25x 8x 4	1908	Charles Anderson, Ellison Bay, Wis.
Tug	Ruby	17	12	51x14x 7	1889	Leonard Smith, Muskegon, Mich.
Str	Rudolph, Wm.	267	209	145x24x 9	1880	The Edward Gillen Dock, Dredge & Cons. Co., Racine, Wis.
Str	Rugee, John	1216	950	216x35x20	1888	Geo. Hall Coal Co., Ogdensburg, N. Y.
Tug	Runnels, D. N.	37	18	59x15x 9	1890	John D. Stanton, Cleveland, O.
Str	Runnels, H. E.	889	629	182x35x13	1893	White Transportation Co., Buffalo, N. Y.
Str	‡Ruth	35	24	64x15x 5	1903	Thomas J. Welsh, Erie, Pa.
Gas	Ruth	10	9	42x10x 4	1912	Wm. H. Welcher, Muskegon, Mich.
Gas	Ruth	9	8	31x 9x 4	1906	Henry Welden, Brussel, Wis.
Str	Ruth	14	9	45x13x 4	1909	Richard M. Welsh, Erie, Pa.
Str	Ruth	35	24	64x15x 5	1903	Thomas J. Welsh, Erie, Pa.
Str	‡Rutland	2321	1668	242x43x26	1906	Rutland Transit Co., Ogdensburg, N. Y.
Str	Ryan, Chas. C.	28	14	52x15x 6	1881	Beaver Island Lumber Co., St. James, Mich.
Gyt	Ryan, John J.	16	14	37x11x 5	1910	Anna V. Ryan, Algenac, Mich.
Str	Ryerson, Carrie A.	72	44	66x18x 8	1883	Thomas Young, et al., Chicago, Ill.

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Str	‡St. Clair	5494	4153	444x56x31	1910	Northern Lakes S. S. Co., G. Vonden Steinen, Mgr., Cleveland, O.
Stp	Ste. Genevieve	611	611	215x45x 7	1903	Ill. Southern Ry. Co., Chicago, Ill.
Str	‡St. Lawrence	312	188	154x21x 7	1884	T. I. S. B. Co., Cape Vincent, N. Y.
Str	St. Louis.	985	795	193x32x12	1864	J. C. Morgan, Niagara Falls, N. Y.
Str	‡Sainte Claire	807	507	181x50x15	1910	Detroit, Belle Isle & Windsor Ferry Co., Detroit, Mich.
Str	Sainte Marie	2383	1620	250x62x..	1913	Mackinac Transportation Co., St. Ignace, Mich.
Str	‡St. Paul	2029	1221	238x42x26	1897	Mutual Transit Co., Buffalo, N. Y.
Tug	‡Sabin, L. C.	98	34	74x20x12	1908	Great Lakes Towing Co., Cleveland, O.
Str	Sachem	739	542	187x33x15	1889	Byron S. Aldrich, Detroit, Mich.
Str	Sachem (nee John Kelderhouse)	100	70	72x20x10	1907	Empire Engineering Corporation, Buffalo, N. Y.
Str	Sacramento	2380	1903	308x43x23	1895	G. A. Tomlinson, Duluth, Minn.
Gas	Sadie F.	7	6	25x 9x 3	1905	Wm. Fountain, Scott's Point (Gould City P. O.), Mich.
Str	Sage, Russell.	1224	1104	218x33x24	1881	George C. Bayliss, Binghamton, N. Y. Lost.
Str	Saginaw	508	430	194x29x13	1866	Frank S. Upton, Charlotte, N. Y.
Str	‡Sahara	5785	4497	474x52x29	1904	G. A. Tomlinson, Mgr., Globe S. S. Co., Duluth, Minn.
Str	Sailor Boy	162	111	91x24x 7	1891	The Hart Trans. Co., Sturgeon Bay, Wis.
Scy	Sallie	20	20	54x14x 5	1899	F. C. Sherman, Chicago, Ill.
Tug	‡Sanders, W. B.	103	45	85x21x12	1905	Kelley Isl. Lime & T. Co., Cleveland, O.
Tug	Sandusky	72	38	68x17x11	1912	T. R. Gilmore, Mgr., Huron, O.
Tug	Sanford, Geo. D., Jr.	51	30	77x16x 7	1882	John Degergus, et al., Ludington, Mich.
Stp	Sappho	223	153	107x31x13	1883	Detroit, Belle Isle & Windsor Ferry Co., Detroit, Mich.
Str	‡Saranac	2669	1939	290x40x27	1890	Lehigh Valley Trans. Co., Buffalo, N. Y.
Stp	Saranac	7	5	44x 9x 4	1890	Champlain Trans. Co., Burlington, Vt.
Tug	Sardinia	35	13	61x17x 7	1903	Jas. Davidson, W. Bay City, Mich.
Sty	Satellite	27	14	77x12x 5	1887	Theo. M. Leonard, Rouse Point, N. Y.
Tug	Satisfaction	47	23	64x16x 8	1894	Anderson & Smith, Marinette, Wis.
Str	Saturn	29	17	61x16x 7	1911	Keystone Fish Co., Erie, Pa.
Str	‡Saunders, E. N.	4305	3366	380x50x28	1902	James Davidson, Bay City, Mich.
Tug	Saugatuck	88	77	84x18x 8	1875	John P. Nagle, Toledo, O.
Tug	Savidge Hunter	20	13	51x13x 5	1866	Louis Sands Salt & Lumber Co., Manistee, Mich.
Str	Sawyer, Philetus	449	308	152x32x10	1884	South Side Lumber Co., Chicago, Ill.
Str	Sawyer, W. H.	746	581	201x37x14	1890	Edward Hines Lumber Co., Chicago, Ill.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Str	‡Saxon	2348	1875	296x40x25	1890	Pittsburg Steamship Co., Cleveland, O.
Str	‡Saxona	4716	3441	416x50x28	1903	G. A. Tomlinson, Duluth, Minn.
Gyt	Sayona	32	29	55x17x 6	1900	Wm. O. Goodman, Chicago, Ill.
Tug	Schaefer, Phillip G.	29	20	64x14x 5	1903	Martin Anderson, Cleveland, O.
Tug	‡Schenck, S. C.	126	63	90x21x11	1890	Great Lakes Towing Co., Cleveland, O.
Str	‡Schiller, Wm. B.	7521	5819	580x58x32	1909	Pittsburg Steamship Co., Cleveland, O.
Str	Schlesinger, Ferd.	2607	2081	305x44x25	1891	Wisconsin S. S. Co., D. Vance, Mgr., Milwaukee, Wis.
Str	Schnoor, H. C.	244	191	136x26x11	1874	John Richards, Essexville, Mich.
Str	Schoolcraft	745	595	180x34x15	1884	Fairport Transportation Co., M. D. Olds, Mgr., Cheboygan, Mich.
Tug	Schoellkopf, J. F.	28	19	50x14x 7	1904	Arthur Schoellkopf, Niagara Falls, N. Y.
Str	‡Schoonmaker, Jas. M.	8603	6650	597x64x33	1911	Shenango S. S. & Transp. Co., 1612 Rockefeller Bldg., Cleveland, O.
Tug	Schultz, L. A.	31	15	58x15x 7	1882	F. Schramm, Milwaukee, Wis.
Str	‡Schuylkill	2206	1820	275x40x26	1892	Erie & Western Transp. Co., Anchor Line, Buffalo, N. Y.
Sty	Scionda	84	54	93x18x 9	1887	T. M. Leonard, Rouse's Point, N. Y.
Str	Scott, H. C.	59	37	76x16x 4	1904	C. A. Peterson, Omro, Wis.
Str	‡Scott, Isaac M.	6372	4840	504x54x..	1909	Virginia S. S. Co., J. S. Ashley, Secy., Cleveland, O.
Str	Scott, Mary	47	36	76x16x 6	1892	John E. Doherty, 7 Fifield Pl., Ashland, Wis. (Rebuilt 1911.)
Tug	Scott, Wm. L.	54	27	67x17x10	1890	Great Lakes Towing Co., Cleveland, O.
Str	‡Scranton, Walter	4803	3294	416x50x28	1901	John Mitchell, Cleveland, O.
Str	‡Scranton	2015	1595	260x39x25	1888	S. C. McLouth, Marine City, Ind.
Gas	Sea Bird	6	6	28x 9x 3	1912	Alfred S. Olson, Ephraim, Wis.
Str	‡Sea Bird	21	13	50x11x 6	1900	Mrs. Nellie F. Perkins, Spring Lake, Mich.
Gas	Sea Foam	46	21	64x14x 5	1904	M. A. Alworth, Duluth, Minn.
Sty	Sea Fox	74	37	102x16x 7	1895	Jay Morton, Chicago, Ill.
Gas	Sea Fox	10	9	34x 9x 4	1909	Earl Rock, St. Ignace, Mich.
Str	Sea Fox	15	10	46x14x 6	1893	N. Dues, Cheboygan, Mich.
Sty	Sea Fox	74	37	102x16x 7	1895	Allen F. Rees, Houghton, Mich.
Gas	Sea Gull	7	6	25x 9x 3	1896	Lewis Allard, Charlevoix, Mich.
Gas	Sea Gull	9	8	29x 9x 3	1904	William Eldred, Sturgeon Bay, Wis.
Gas	Sea Gull	13	9	31x 9x..	1907	Joseph Jacob, Chicago, Ill.
Tug	Sea Gull	22	15	45x15x 4	1897	Isaac VanWeelden, Grand Haven, Mich.
Gas	Sea Gull II.	8	8	29x 9x 4	1906	Edward Olson, Sturgeon Bay, Wis.
Gas	Sea Queen	11	11	38x10x 4	1906	Richard Noelck, Bailey's Harbor, Wis.
Str	‡Search	140	95	133x17x10	1896	Corps of Engineers, U. S. Army.
Str	Search Light	95	80	95x19x 6	1884	M. Martinek, Chicago, Ill.
Gas	Seavey	13	11	33x12x 4	1910	Dan Seavey, Frankfort, Mich.
Tug	Sea Wing	39	27	69x17x 6	1899	Booth Fisheries Co., Chicago, Ill.
Str	Security	397	210	141x26x16	1907	The Standard Oil Co., New York.
Str	Security	397	210	141x26x16	1907	The Standard Oil Co., New York.
Stp	‡Seeandbee	...	....	485x58x23.6	1912	Cleveland & Buffalo Transit Co., Cleveland, O.
Str	‡Sellwood, Joseph	6741	5269	525x55x31	1906	John Mitchell, Cleveland, O.
Str	‡Senator	4048	3178	410x46x28	1896	Wolverine Steamship Co., P. H. McMillan, Mgr., Detroit, Mich.
Str	‡Seneca	2660	1939	290x41x24	1889	Lehigh Valley Trans. Co., Buffalo, N. Y.
Gas	Seneca	11	10	32x 9x 3	1910	Otto E. Scherborth, Milwaukee, Wis.
Sty	‡Sentinel	74	47	110x19x 8	1883	L. C. Wachsmith, Chicago, Ill.
Tug	‡Seymour, Geo. D.	76	38	90x17x10	1875	Ogdensburg C. & T. Co., Ogdensburg, N. Y.
Tug	Seymour, Wm. H.	52	26	66x17x 9	1874	Frank Perry, Sault Ste. Marie, Mich.
Str	Shamrock	18	12	37x10x..	1908	James J. Martin, St. James, Mich.
Str	‡Shaughnessey, Sir Thomas	6276	4665	480x52x30	1906	Jenkins S. S. Co., A. T. Kinney, Mgr., Cleveland, O.
Tug	‡Shaughraun	45	22	60x15x 8	1883	Harris T. Dunbar, Buffalo, N. Y.
Tug	‡Shaun Rhue	79	54	66x17x 8	1891	Harris T. Dunbar, Buffalo, N. Y.
Str	‡Shaw, Howard L.	4901	3802	435x50x28	1900	Pittsburg Steamship Co., Cleveland, O.
Str	‡Shaw, Quincy A.	6336	5013	504x54x30	1911	Calumet Transp. Co., M. A. Hanna & Co., Mgrs., Cleveland, O.
Str	‡Sheadle, J. H.	6924	5476	530x56x31	1906	Cleveland-Cliffs Iron Co., Cleveland, O.
Stp	Sheboygan	623	461	208x50x12	1869	Goodrich Trans. Co., Duluth, Minn.
Tug	Sheboygan	62	31	65x18x 9	1886	Great Lakes Towing Co., Cleveland, O.
Tug	Sheldon Bros.	13	11	44x13x 4	1900	Ben Everett, Erie, Pa.
Tug	Sheldon, Cora A.	54	27	65x17x 9	1883	Joseph Croze, Houghton, Mich.
Gas	Sheldonia II	9	9	31x 8x 4	1912	B. L. Adams, Chicago, Ill.

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Str	Shenandoah	2251	1880	308x43x23	1894	James Davidson, West Bay City, Mich.
Str	‡Shenango			585x58x32	1909	Shenango S. S. Co., W. B. Davock, Mgr., Cleveland, O.
Tug	‡Sheridan, Phil	35	17	58x14x 7	1889	Harris T. Dunbar, Buffalo, N. Y.
Str	Sherman, G. R.	92	62	75x30x 8	1890	Port Henry Steam Ferry Co., Port Henry, N. Y.
Str	‡Sherwin, John	7159	5744	514x54x31	1906	Interlake Steamship Co., Cleveland, O.
Gas	Shine-on	7	6	24x 7x 3	1912	Alfred Shellywick, Detroit Harbor, Wis.
Str	Shipman, Allie E.	39	28	61x15x14	1892	Greiling Bros. Co., Green Bay, Wis.
Str	Shores, E. A., Jr.	520	396	176x35x12	1892	Mullen Coal Co., Amherstburg, Ont.
Str	Shrigley, James H.	459	364	171x31x13	1881	American Cedar & Lumber Co., Alpena, Mich.
Gas	Sicilia	5	5	24x 7x 3	1911	Lorenzo Saufilipps, Milwaukee, Wis.
Str	Sidonie	13	7	44x12x 6	1897	James S. Pooler, Pentwater, Mich.
Str	‡Siemens, Sir Wm.	4344	3293	413x48x24	1896	Pittsburg Steamship Co., Cleveland, O.
Str	‡Sierra	4846	4287	438x52x23	1906	Inter-Ocean Steamship Co., G. A. Tomlinson, Mgr., Duluth, Minn.
Tug	Sill, Henry S.	35	17	63x16x 8	1875	Capt. W. G. Harrow, Detroit, Mich.
Gas	Silver Chief	10	8	37x13x 3	1898	Sophia Bird, Cheboygan, Mich.
Sty	Silver Dollar	9	7	44x 9x 4	1886	Arthur O. Lewis, Middleport, N. Y.
Gas	Silver Leaf	9	8	31x 9x 4	1908	Edward E. Schneider, Algoma, Wis.
Tug	Silver Spray	33	22	68x16x 6	1898	John Lay, Sandusky, O. (Lost, 1911.)
Tug	Silver Spray	40	28	83x17x 5	1889	John P. Harrington, Erie, Pa. Rebuilt 1907.
Tug	Silver Spray	38	26	54x16x 6	1895	Albert F. Peterman, Munising, Mich.
Stp	Silver Spray	95	64	109x21x 8	1894	Thomas Young, Chicago, Ill.
Gas	Silver Star	9	9	32x10x 4	1906	G. A. Hansen, Pentwater, Mich.
Str	Sir Arthur	28	19	59x15x 6	1892	W. Habel, St. Joseph, Mich. Rebuilt 1903.
Str	‡Sinaloa	5439	3503	416x50x28	1903	G. A. Tomlinson, Mgr., Superior S. S. Co., Duluth, Minn.
Str	Sinclair, James R.	71	36	73x19x10	1907	A. B. Wolvin, Duluth, Minn.
Sty	Sioux	55	37	102x12x 6	1904	F. G. Bourne, Oakdale, L. I., N. Y.
Tug	Sioux	52	26	71x16x 9	1883	C. H. Starke Dredge & Dock Co., Milwaukee, Wis.
Str	Sirius	22	15	63x12x 4	1885	Weston U. Cline, Massena, N. Y.
Str	‡Sirius	4470	3143	416x50x28	1903	Interlake Steamship Co., Cleveland, O.
Gap	Sir Knight	7	6	30x10x 4	1909	F. A. Graham, Harbor Springs, Mich.
Gas	Sisama	19	13	49x12x 4	1904	Honduras Development Co., Detroit, Mich.
Stp	Skater	92	63	89x23x 7	1890	Chequamegon Bay Transit Co., Ashland, Wis.
Gap	Skidoo	18	12	37x16x 5	1906	Macatawa Transp. Co., Holland, Mich.
Str	Sloat, Joseph T.	29	20	63x15x..	1908	H. B. Kishman, Vermilion, O.
Gay	Slome	38	28	54x..x..	1909	John W. Stringer, Detroit, Mich.
Tug	Smith	191	130	127x22x10	1881	Leatham & Smith, Sturgeon Bay, Wis. Rebuilt 1906.
Ltr	Smith, Angus	580	551	182x32x12	1871	John D. Gilchrist, Cleveland, O.
Str	Smith, Annie L.	43	23	61x16x 9	1868	Eli Jacques, Duluth, Minn.
Str	‡Smith, B. Lyman	4271	3017	380x50x28	1903	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Str	Smith, Edward	700	523	194x33x17	1883	Guy White, Buffalo, N. Y.
Str	‡Smith, Henry B.	6631	5229	525x55x31	1906	Acme Transit Co., Cleveland, O.
Str	‡Smith, Hurlbut W.	4662	3415	414x50x28	1903	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Tug	Smith, Janie E.	50	34	72x16x 7	1903	Frank E. Nettleton, Dunkirk, N. Y.
Tug	Smith, John	14	10	50x11x 6	1876	Sophia M. Dahlner, Dunkirk, N. Y.
Str	‡Smith, L. C.	4702	3418	414x50x28	1902	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Tug	Smith, Leathem D.	46	23	70x16x 8	1890	Great Lakes Towing Co., Cleveland, O.
Tug	‡Smith, L. P.	73	36	67x18x 9	1894	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	‡Smith, Lyman C.	6200	4916	525x55x31	1905	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Str	‡Smith, Monroe C.	4281	3016	380x50x28	1903	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Str	‡Smith, Wilbert L.	4319	3039	380x50x28	1903	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Str	Snook, T. W.	168	124	112x25x11	1873	Harris W. Baker, Detroit, Mich.
Str	‡Snyder, Wm. P.	6939	5492	530x56x31	1906	Shenango Steamship Co., W. B. Davock, Mgr., Cleveland, O.
Str	‡Snyder, Wm. P. Jr.	8603	6650	597x64x33	1912	Shenango S. S. & Transp. Co., 1612 Rockefeller Bldg., Cleveland, O.
Str	‡Socapa	6272	4826	504x54x30	1905	G. A. Tomlinson, Duluth, Minn.

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Str	‡Sonoma	4539	3503	416x50x28	1903	G. A. Tomlinson, Duluth, Minn.
Str	‡Sonora	3630	2731	353x48x24	1902	G. A. Tomlinson, Duluth, Minn.
Gas	Sonora	8	5	35x10x 4	1906	Empire Engineering Corporation, Buffalo, N. Y.
Str	Soper, Albert	349	268	144x28x11	1881	Herman A. Greiling, Green Bay, Wis.
Gap	Sophie	10	8	34x10x 4	1907	F. E. Pfister, Harbor Springs, Mich.
Gas	Southern Cross	13	9	40x 9x 4	1912	John Creamer, Chicago.
Str	Southern Cross	25	12	56x14x 5	1894	John I. Kinsey, Milwaukee, Wis.
Tug	South Shore	73	49	84x20x 6	1899	E. G. Endress, Sault Ste. Marie, Mich. Lost.
Str	‡Spalding, Jesse	1043	856	220x40x16	1899	Charles F. Spalding, Chicago, Ill.
Tug	‡Spalpeen	29	14	46x14x 6	1889	Harris T. Dunbar, Buffalo, N. Y.
Tug	Spencer, Mollie	53	26	72x16x 8	1869	Great Lakes Towing Co., Cleveland, O.
Str	‡Spokane	2356	1974	312x38x24	1886	Reid Wrecking Co., Port Huron, Mich.
Tug	‡Sport	45	22	56x14x 9	1873	Carter Lumber Co., Ludington, Mich.
Sty	Sport	72	36	84x16x 6	1881	E. P. Wilber, S. Bethlehem, Pa.
Gas	Sport	9	8	29x 9x 4	1904	Frank Chapek, Algoma, Wis.
Gas	Sport	9	8	29x 9x 4	1904	Frank Chapek, Algoma, Wis.
Tug	‡Sprankle, J. R.	44	23	59x16x 9	1894	Great Lakes Towing Co., Cleveland, O.
Gas	Spray	9	8	29x 9x 4	1910	Robert J. Price, Traverse City, Mich.
Gas	Spray	7	6	29x 8x 3	1910	Louis Vanderburg, Muskegon, Mich.
Tug	Sprudel	67	51	62x14x 5	1891	John H. Werner, Lorain, O. Rebuilt 1906.
Str	‡Squire, F. B.	4582	3694	410x50x28	1903	Jenkins Steamship Co., A. T. Kinney, Mgr., Cleveland, O.
Tug	Squaw	42	28	59x17x 6		Empire Engineering Corporation, Buffalo, N. Y.
Str	‡Stackhouse, Powell	6171	4919	504x54x30	1905	Mahoning S. S. Co., J. S. Ashley, Mgr., Cleveland, O.
Str	‡Stadacona	6014	4654	479x56x..	1909	Stadacona Steamship Co., Michigan City, Ind.
Str	Stafford, W. R.	744	546	184x34x12	1886	Harvey-Morrison Co., Cleveland, O.
Str	S. O. Co. No. 2	157	84	98x22x10	1898	Standard Oil Co., New York, N. Y.
Str	‡Stanton, John	6129	4668	504x54x30	1905	Hutchinson & Co., Cleveland, O.
Tug	Stanwood, F. H.	18	10	58x15x 6	1883	Whitney Bros. Co., West Superior, Wis.
Str	‡Star	9	5	38x12x 4	1902	S. S. Moore, Erie, Pa.
Str	Starke, C. H.	317	266	148x30x11	1881	Paul H. Hoeft, Rogers City, Mich.
Gas	Starlight	30	14	61x15x 7	1897	Wallace H. Van Dyke, Pentwater, Mich.
Gas	Starling	7	6	26x 9x 3	1904	Jens M. Vevang, Northport, Mich.
Stp	‡State of New York.	807	564	203x32x21	1883	Detroit & Cleveland Navigation Co., Detroit, Mich.
Stp	‡State of Ohio	1222	917	225x32x22	1880	Cleveland & Buffalo Transit Co., Cleveland.
Gay	Stave Island	41	17	69x13x 7	1903	Fred H. Wells, Burlington, Vt.
Str	‡Stearn, Abraham	6657	5140	525x55x31	1906	Commonwealth Steamship Co., Cleveland, O
Tug	Stedman, Oscar C.	68	37	73x19x10	1896	Great Lakes Towing Co., Cleveland, O.
Str	‡Steel King	4308	3366	380x50x28	1902	James Davidson, Bay City, Mich.
Str	‡Steinbrenner, Henry.	4719	3955	416x50x28	1901	Kinsman Transit Co., Henry Steinbrenner, Mgr., Cleveland, O.
Sty	Stella	9	6	56x10x 4	1899	Samuel S. Fifield, Ashland, Wis.
Str	Stella B.	6	5	40x 8x 4	1899	John Neveaux, Odanah, Wis.
Tug	Stephenson, Bob	18	9	50x13x 6	1872	S. A. Carrow, Cheboygan, Mich.
Str	‡Stephenson, Geo.	4563	3502	408x49x28	1896	Pittsburg Steamship Co., Cleveland, O.
Str	Stephenson, S. M.	546	426	166x33x12	1880	James Sanford, Sandusky, O.
Str	Stephens'n, I. Watson	639	501	132x15x11	1895	I. Stephenson Co., Wells, Mich.
Tug	Stevens, Ida M.	22	12	45x11x 7	1869	Roy Love, et al., Muskegon, Mich.
Str	Stevenson, Russel.	28	20	53x12x 5	1906	James Stevenson, Cedarville, Mich.
Tug	Stevenson, Wm.	34	23	51x15x 6	1887	Lake Erie Dredging Co., Buffalo, N. Y.
Str	‡Stewart, A. E.	3943	3049	356x50x28	1876	Charles M. McDonald, Jackson Harbor, Wis.
	Stewart, Edward	15	7	45x13x 5	1902	Stewart Transp. Co., Detroit, Mich.
Tug	‡Stewart Graeme	309	30	104x28x16	1908	City of Chicago, Ill.
Str	Stewart, Rhoda	447	356	138x29x12	1873	Great Lakes Dredge & Dock Co., Chicago, Ill.
Tug	Stickney, Natt	77	41	81x18x 9	1880	Great Lakes Dredge & Dock Co., Chicago.
Str	Stirling, John R.	1302	1157	223x34x22	1871	Northern Michigan Transportation Co., Chicago, Ill.
Tug	Stocker, Hugh	30	21	53x15x 6	1904	Booth Fisheries Co., Chicago, Ill.
Tug	Strohm, C. B.	26	16	49x15x 5	1888	Mrs. M. R. Pickands, Cheboygan, Mich.
Str	Stone, Amasa	6282	4930	525x55x31	1905	Interlake Steamship Co., Cleveland, O.
Tug	Stricker, Charles P.	22	15	56x13x 6	1892	C. A. Mattison, Vermilion, O.
Gas	Sue Don	18	15	43x14x 5	1904	Mathew S. Maloney, Detroit, Mich.
Str	Suit, Joseph C.	152	118	105x24x 9	1884	D. McMann, Harbor Beach, Mich. Lost.

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Str	‡Sullivan, J. J.	7077	5541	532x56x31	1907	Superior S. S. Co., Hutchinson & Co., Mgrs., Cleveland, O.
Str	Sullivan, Roger C.	51	35	64x17x 9	1903	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	‡Sultana	3914	2850	362x48x24	1902	G. A. Tomlinson, Duluth, Minn.
Tug	Sunbeam	53	33	68x17x 7	1891	R. K. Smith, Sheboygan, Wis.
Sty	Sunbeam	52	42	64x13x 6	1888	Aaron C. Cline, Huron, N. Y.
Gyt	Sunflower	21	18	51x12x 5	1904	James Young, Chicago, Ill.
Gas	Sunflower	25	22	51x12x 5	1904	Geik C. Geiken, et al., Charlevoix, Mich.
Tug	Sunol	62	31	73x19x 7	1892	Great Lakes Towing Co., Cleveland, O.
Gas	Sunrise	13	12	33x10x 5	1909	Henry Lafond, Two Rivers, Wis.
Str	‡Superior	4544	3845	382x50x30	1905	Western Transit Co., Buffalo, N. Y.
Stp	‡Superior	251	167	98x30x19	1890	Pittsburg Steamship Co., Cleveland, O.
Tug	Superior	70	48	68x20x11	1896	Great Lakes Towing Co., Cleveland, O.
Gas	Superior	9	8	32x 9x 3	1904	John R. Hilborn, Cheboygan, Mich.
Str	‡Superior City	4795	3693	429x50x29	1898	Pittsburg Steamship Co., Cleveland, O.
Str	Survey	190	145	88x20x15	1891	U. S. Government, Washington, D. C.
Gyt	Susanne	16	11	55x 9x..	1910	E. H. Clase, Toledo, O.
Str	‡Susquehanna	2781	2347	303x40x27	1886	Erie & Western Transp. Co., Anchor Line, Buffalo, N. Y.
Tug	Sutton, E. W., Jr.	33	22	59x13x 6	1902	E. W. Sutton, Jr., Buffalo, N. Y.
Str	Swallow	37	25	68x10x 5	1896	J. S. Stevens, Oshkosh, Wis.
Gas	Swallow	9	8	31x 8x..	1904	Charles Hendrickson, Manistee, Mich.
Gas	Swallow	11	9	30x 9x 3	1907	Berent S. Johnson, South Manitou, Mich.
Gas	Swan	8	7	31x10x 3	1904	George Knipfer, Two Rivers, Wis.
Gas	Swan	8	7	27x 9x 4	1907	J. H. Harris, Frankfort, Mich.
Gas	Swan	10	8	31x 9x 4	1904	H. P. Petersen, Manistee, Mich.
Str	Swan	94	64	79x20x 7	1888	C. B. Moiles, Saginaw, Mich.
Str	Swansea	19	9	77x17x 8	1887	Albert C. Majo, Duluth, Minn.
Gas	Swastika	19	18	35x10x 5		Arthur M. Johnson, Green Bay, Wis.
F.B.	Swenie, D. J.	143	71	98x24x10	1886	Chicago Fire Dept., Chicago, Ill.
Tug	Sweetheart	7	5	45x10x..	1909	Albert Miller, Buffalo, N. Y.
Str	Sylph	28	18	74x13x 4	1882	White Lake Transp. Co., Muskegon, Mich. (Out of commission.)
Str	‡Sylvania	6272	4826	504x54x30	1905	G. A. Tomlinson, Duluth, Minn.
Str	Sylvia	25	17	51x14x 6	1902	Albert Kalmbach, Sturgeon Bay, Wis.

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Str	Tacoma	1879	1609	260x39x23	1881	Gilchrist Transportation Co., Cleveland, O.
Str	Tampa	1972	1632	291x41x22	1890	Henry Wineman, Jr., Detroit, Mich. Rebuilt 1899. (Lost, 1911.)
Str	Tanner, O. B.	137	91	...x..x..	1901	Wm. W. Hoag, Kirkville, N. Y.
Sly	Tarpon	26	24	50x14x 6	1892	Mary C. Patchell, Bay City, Mich.
Gas	Tarpon	9	7	34x10x 4	1909	George I. Ryan, Cleveland, O.
Stp	‡Tashmoo	1344	766	306x36x22	1900	White Star Line, Detroit, Mich.
Str	‡Taurus	4470	3143	416x50x28	1903	Interlake Steamship Co., Cleveland, O.
Str	Tayler, Helen	43	33	56x30x 4	1894	A. E. Cartier Sons Co., Ludington, Mich.
Tug	Taylor, J. V.	40	20	60x15x 9	1881	Charlevoix Lumber Co., Charlevoix, Mich.
Str	‡Taylor, Moses	4772	3401	416x50x28	1902	John Mitchell, Cleveland, O.
Tug	Taylor, W. S.	318	216	126x24x13	1907	Nau Tug Line, Green Bay, Wis.
Gas	Teaser	11	10	33x 9x 3	1911	John Gustofson, et al., Ludington, Mich.
Gas	Teddy	8	6	31x 9x 3	1913	Joseph F. Fink, Chicago, Ill.
Tug	Teed, Bob	45	22	64x19x 9	1883	Greiling Bros. Co., Green Bay, Wis.
Str	Tegtmeyer, Archie	40	27	54x14x 7	1911	Adam Paczocha, Milwaukee, Wis.
Tug	Telephone	19	9	50x12x 6	1880	Colon McRae, Marais, Mich.
Str	Tempest	14	7	40x11x 5	1884	William Jeffery, Duluth, Minn.
Str	Tempest	412	341	159x30x13	1872	Johnson & Rasch Co., East Chicago, Ind.
Stp	Tennessee	691	548	171x35x12		Pere Marquette Line Steamer, Manistee, Mich.
Str	‡Tessler	57	40	70x16x 8	1905	Chas. Tessler, Milwaukee, Wis.
Tug	Tessler, A. A. C.	30	15	59x14x 7	1898	John Hollander, Port Washington, Wis.
Gas	Texas Ranger	13	9	40x12x 5	1910	The Texas Co., Ogdensburg, N. Y.
Gyt	Thelma	26	17	57x10x 5	1894	Com. Will Huntington, Elyria, O.
Gay	The Pitt	12	12	40x10x 4	1907	George W. Pittenger, Sturgeon Bay, Wis.
Tug	The Moose	98	52	82x20x10	1907	Whitney Bros. Co., Superior, Wis.
Str	Theora	73	37	62x16x 8	1893	John Parker, Marquette, Mich. (Rebuilt 1908.)
Str	Theresa	37	20	59x11x 4	1901	George Tryon, Eureka, Wis.
Str	Theresa D.	11	8	28x 9x 4	1905	Clark Deremo, Grand Haven, Mich.

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Sty	Thetis	407	277	132x30x12	1892	Hiram W. Sibley, Rochester, N. Y.
Gay	Thetis	7	6	33x 8x 4	1906	Henry Graass, Sturgeon Bay, Wis.
Tug	Third Michigan	42	22	63x15x 7		Greiling Bros. Co., Green Bay, Wis.
Stp	Thistle	49	28	80x14x 6	1887	The Hart Trans. Co., Sturgeon Bay, Wis.
Stp	Thistle	127	84	124x25x 5	1894	Oshkosh Steamboat Co., Oshkosh, Wis.
Sch	‡Thomas, Sidney G.	3200	2912	366x44x26	1897	Pittsburg Steamship Co., Cleveland, O.
Str	‡Thompson, Alexis W.	6436	4670	504x55x30	1908	W. H. Becker, Cleveland, O.
Tug	Thompson, C. D.	91	45	81x19x11	1893	Great Lakes Towing Co., Cleveland, O.
Str	‡Thompson, Smith	4786	4227	438x52x28	1907	Great Lakes Steamship Co., Syracuse, N. Y.
Tug	Thompson, Thomas.	19	10	49x14x 6	1873	Nels Olsen, Menominee, Mich.
Gas	Three Bros.	10	9	29x 8x 3	1910	Nels Larsen, et al., Ludington, Mich.
Gas	Three Brothers	10	7	34x10x 4	1909	John Gamash, Waukegan, Ill.
Gas	Three Sisters	52	48	69x19x 7	1901	Philip Klumb, Marinette, Wis.
Gas	Thor	9	6	40x10x 5	1909	John Coventry, Duluth, Minn.
Str	Tia Juana	16	10	63x11x 4	1901	W. M. Gilbert, Neenah, Wis.
Stp	‡Ticonderoga	892	344	212x57x10	1906	Champlain Trans. Co., Burlington, Vt.
Str	Tillie E.	17	12	47x13x 4	1903	Torges Engelson, Detroit Harbor, Wis.
Gas	Timer	8	8	28x10x 4	1906	Charles Claflin, Brussels, Wis.
Str	‡Tioga	2320	1684	285x39x17	1885	Erie Railroad Lake Line, Buffalo, N. Y.
Stp	‡Tionesta	4329	2652	340x45x28	1903	Erie & Western Trans. Co., Anchor Line, Buffalo, N. Y.
Dge	‡Tipperary Boy	379	291	100x32x..	1901	Dunbar & Sullivan Dredging Co., Buffalo, N. Y.
Str	‡Tisdale, H. G.	81	40	94x18x 9	1872	Lake Champlain T. Co., Whitehall, N. Y.
Gas	Tisnin	8	6	36x 8x 4	1898	Charles C. Wicks, Erie, Pa.
Gap	Togo	7	6	33x 9x 4	1905	Thomas C. Thompson, Holland, Mich.
Ltr	Toledo	960	846	159x36x11	1907	Pittsburg & Erie Coal Co., George B. Taylor, Mgr., Erie, Pa.
Str	Toltec	769	621	191x33x15	1889	Grace Harbor Lumber Co., Detroit, Mich.
Ywly	Tomah	10	10	39x11x 4	1884	B. L. Parker, Green Bay, Wis.
Str	‡Tomlinson, G. A.	6361	4862	504x30x..	1909	Douglass S. S. Co., Brown & Co., Mgrs., Buffalo, N. Y.
Tug	Tonawanda	31	15	59x15x 8	1893	Wm. J. Scott, Oswego, N. Y.
Gyt	Tonopah	51	27	81x13x 7	1905	James D. Lacy, Chicago, Ill.
Gas	Topaz	14	13	37x10x 4	1904	Herman Wisch, Sheboygan, Wis.
Str	Topeka	1376	1111	228x36x20	1889	Lake Shore Stone Co., Milwaukee, Wis.
Str	Topinabee	16	13	64x15x 5	1899	A. L. Hamill, Petoskey, Mich.
Tug	Torrent	203	140	115x21x19	1869	Adolph Green, Green Bay, Wis.
Tug	‡Torrent	296	197	110x28x15	1910	The Duluth & Iron Range Ry., Duluth, Minn.
Tug	Torrent, John	18	9	50x12x 6	1875	Stewart Ten Eyck, Sault Ste. Marie, Mich.
Stp	‡Tourist	64	43	76x18x..	1909	E. J. Dodge, Put-in-Bay, O.
Gas	Tourist	7	6	32x 8x 4	1909	Charles A. Davis, Burt Lake, Mich.
Str	Tower, Charlemange, Jr.	1825	1543	255x40x22		Charles S. Neff, Milwaukee, Wis.
Str	‡Townsend, Edw. Y.	7438	5673	580x58x32	1906	Cambria Steamship Co., Cleveland, O.
Tug	Tramp, The	41	25	60x15x 8	1890	Charles H. Jones, Ontonagon, Mich.
C.F.	‡Transfer	1511	1060	265x46x17	1888	Grand Trunk Ry. Co., Windsor, Ont.
C.F.	‡Transport	1594	797	254x46x14	1880	Grand Trunk Ry. Co., Windsor, Ont.
Scw	Tremie	476	476	155x35x..	1907	Butler Bros. & Hoff Co., Detroit, Mich.
Str	Treu, Martin	18	12	44x12x 4	1907	Louis Larson, Racine, Wis.
Str	‡Trenton	517	352	133x32x10	1905	Allen I. Halloway, Buffalo, N. Y.
Str	‡Trimble, Richard	....	....	580x58x32	1912	Pittsburgh Steamship Co., Cleveland, O.
Gyt	Tringa	33	28	74x11x 6	1906	Milton Wilsen, Chicago, Ill.
Gas	Trinter, Chas. A.	8	5	34x10x..	1909	R. F. Quigley, Jr., Vermilion, O. Lost.
Gas	Triplets	8	8	30x 9x 4	1909	Louis Johnson, Sturgeon Bay, Wis.
Tug	Triton	35	24	52x15x 6	1899	Great Lakes Towing Co., Cleveland, O.
Gyt	Tritonia	13	12	39x11x15	1906	Dr. A. M. Gerow, Cheboygan, Mich.
Gas	Trix	8	7	30x 8x 3	1909	Elery Bunn, Elk Rapids, Mich.
Str	Trombly, Jose	16	11	50x12x 4	1881	L. M. Trudell, Bay City, Mich.
Gas	Trout	6	5	31x 9x 3	1910	Joseph White et al., Point aux Pins, Mich.
Tug	Troy, Henry.	27	16	61x14x 6	1891	Wm. Lehmann, Milwaukee, Wis.
Str	‡Troy	3655	2966	398x46x28	1898	Western Transit Co., Buffalo, N. Y.
Gas	Truant	11	9	38x 9x 4	1908	Lewis E. Greilick, Traverse City, Mich.
Sty	‡Truant	100	50	120x17x10	1892	H. H. Newberry, Detroit, Mich.
Tug	Truby, John M.	113	61	71x20x13	1910	Great Lakes Towing Co., Cleveland, O.
Tug	True, O. J.	16	8	43x12x 5	1881	Herbert Little, Lorain, O.
Str	‡Truesdale, Wm. H.	5057	3764	432x52x28	1908	Empire Steamship Co., Brown & Co., Mgrs., Buffalo, N. Y.
Gas	Trumpour, D. A.	9	5	40x 9x 4	1904	M. V. Davis, Au Gres, Mich.

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Sty	Truth	23	23	36x11x 3	1910	Jenna M. C. Bingley, Chicago, Ill.
Gas	Try	5	5	24x 6x 3	1907	Arthur Cornell, Detroit Harbor, Wis.
Str	Turner, C. W.	14	10	55x12x 4	1910	Booth Fisheries Co., Chicago, Ill.
Str	‡Tuscarora	2386	1679	291x40x22	1899	Lehigh Valley Trans. Co., Buffalo, N. Y.
Gap	Tuscarora	12	8	39x12x 4	1906	John C. Everett, Holland, Mich.
Str	Tuttle, M.	51	41	95x18x 5	1870	Clarence Le Beau, Toledo, O. (Rebuilt 1911.)
Gas	Twin River	7	6	27x 9x 3	1907	Albert Kalenbach, Sturgeon Bay, Wis.
Gas	Two Brothers	5	5	27x 9x 4	1912	Frank C. Livermore, Pensaukee, Wis.
Gas	Two Brothers	6	5	24x 8x 3	1907	Joseph Lablanc, Naubinway, Mich.
Gas	Two Brothers	11	10	32x10x 4	1908	August Christiansen, Pentwater, Mich.
Gas	Two Brothers	13	12	32x10x 4	1909	F. D. Richter, Detroit Harbor, Wis.
Tug	Two Brothers	37	18	54x14x 7	1891	Ole Hansen, Milwaukee, Wis.
Gas	Two Bros.	12	11	28x10x 4	1911	Lars F. Stangvik, Sutton Bay, Mich.
Str	Two Myrtles	96	65	80x23x 7	1899	U. S. Engineers Dept.
Gas	Two Sisters	8	7	27x 9x 3	1903	A. F. Turner, Naubinway, Mich.
	U					
Gas	U and I.	10	8	29x 9x 4	1901	Lafond & Martin, Manistique, Mich.
Sty	‡Uarda	89	61	95x17x 8	1881	Albert B. Scott, Hancock, Mich.
Str	Uganda	2298	1892	291x41x22	1892	Edward Mehl, Erie, Pa. Rebuilt 1905.
Str	‡Umbria	4803	3519	420x50x25	1904	Acme Transit Co., Cleveland, O.
Gas	Una	7	7	30x 9x 4	1906	Fred Paetschow, Bailey's Harbor, Wis.
Tug	Uncle	14	10	49x13x 4	1900	Simon Schacht, Erie, Pa.
Gas	Uncle Sam.	13	12	35x 9x 4	1902	G. C. Steinman, Chicago, Ill.
Str	‡Underwood, F. D.	3314	2499	319x44x28	1896	Erie Railroad Lake Line, Buffalo, N. Y.
Gay	Undine	7	7	26x 8x 4	1907	Julius Liebenow, Green Bay, Wis.
Str	Unique	91	61	91x19x 8	1900	The Whitehall & St. Johns Towing & Trans. Co., Whitehall, N. Y.
Str	United Shores	336	229	150x38x12		Buffalo Steamship Co., Buffalo, N. Y.
Stp	‡United States	1374	811	193x41x16	1909	Indiana Transportation Co., 144 S. Water St., Chicago, Ill.
Str	‡Upson, Andrew S.	4442	3120	380x52x28	1909	Tecumseh S. S. Co., A. T. Kinney, Pres., Cleveland, O.
Str	‡Upson, J. E.	6309	4853	504x54x30	1908	Wilson Transit Co., Cleveland, O.
Str	‡Utica	3533	2658	325x44x30	1904	Western Transit Co., Buffalo, N. Y.
Str	‡Utley, E. H.	6287	4861	504x54x30	1910	Franklin S. S. Co., Duluth, H. K. Oakes, Detroit, Mgr.
Str	Uvira	44	27	76x16x 8	1889	John T. Fuller, Alexandria Bay, N. Y.
	V					
Stp	Valcour	10	7	44x 9x 4	1890	Champlain Trans. Co., Burlington, Vt.
Sty	Vacuna	46	23	75x14x 8	1896	S. R. Van Duzen, Alexandria Bay, N. Y.
Str	Vail, Walter	789	536	210x35x13	1890	H. H. Hettler Lumber Co., 2601 Elston Ave., Chicago, Ill.
Sty	Valcour	61	48	89x14x 8	1895	Hon. Jos. C. Sibley, Valcour, N. Y.
Str	Valentin, J. A.	17	11	36x11x 4	1899	George C. Abbott, Northport, Mich.
Str	Valerie	59	29	69x18x 7	1872	Joseph Croze, Houghton, Mich.
Str	Valiant	33	22	53x15x 6	1909	Booth Fisheries Co., Chicago, Ill.
Scy	Valmore	37	34	65x16x 8	1903	William Hale Thompson, Chicago, Ill.
Str	Vance, Frank L.	1952	1642	258x42x23	1887	Fay S. S. Co., Duluth, Minn. (Burned 1910.)
Gas	E. J. Vandreuil, Jr.	7	7	29x 8x 4	1902	Kahlenberg Bros. Co., Two Rivers, Wis.
Str	Vaneita	37	19	55x12x.	1908	John A. Desana, Wyandotte, Mich.
Tug	Van Ells, H. M.	28	20	55x13x 7	1885	J. E. Reynolds, Harbor Beach, Mich.
Nyt	Vanessa	42	37	52x16x 3	1901	John H. Smedley, Detroit, Mich.
Str	‡Van Hise, Chas. R.	5117	3673	458x50x25	1900	Pittsburg Steamship Co., Cleveland, O.
Str	Van Vleck, Geo. H.	1020	940	238x34x12	1875	Petrol Traffic Co., Toledo O. (Rebuilt 1906.)
Gas	Venn, Katie	8	7	28x 8x.	1906	Robert Venn, Pentwater, Mich.
Str	Venezuela	2125	1733	263x43x23	1897	James Davidson, W. Bay City, Mich.
Str	Venus	59	39	64x14x 5	1912	W. U. Cline, Massena, N. Y.
Str	‡Venus	3719	2766	346x48x28	1901	Interlake Steamship Co., Cleveland, O.
Stp	‡Vermont	1195	608	251x35x11	1903	Champlain Trans. Co., Burlington, Vt.
Gas	Vern L.	9	8	32x 8x 3	1909	Ferd Lorentz, Ludington, Mich.
Str	‡Verona	6186	4765	480x52x30		Interlake Steamship Co., Cleveland, O.
Str	Veronica	1093	880	202x35x19	1886	Tonawanda I. & S. Co., N. Tonawanda, N. Y.
Gas	Veronica	9	8	26x10x 4	1908	P. R. Thibault, St. Ignace, Mich.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Sty	Vesta	70	45	87x15x 9	1893	Mortimer J. Lawrence, Cleveland, O.
Gay	Vesta	10	9	35x 8x 4	1904	Frank Roth, Green Bay, Wis.
Stp	Victor	26	18	63x13x 5	1897	Estate of Lewis Daniels, Vergennes, Vt.
Str	Victor	13	11	43x12x 4	1897	George Pomeroy, Detour, Mich.
Sts	Victoria	192	116	96x28x12	1872	D. B. I. & W. Ferry Co., Detroit, Mich.
Str	‡Victory	4527	3704	452x48x27	1895	Interlake Steamship Co., Cleveland, O.
Str	‡Viking	1117	943	217x37x18	1889	F. W. Gilchrist, Alpena, Mich.
Gas	Vim	20	16	61x10x..	1905	F. M. Alger, Detroit, Mich.
Tug	Viola	31	16	61x14x 5	1889	Timothy J. Desmond, Dunkirk, N. Y.
Gas	Viola	8	7	26x 9x 3	1902	Peter Nelson, et al., St. James, Mich.
Gas	Violet	8	7	27x 9x 4	1908	Prout & Shampine, Epoufette, Mich.
Tug	Violet	18	9	48x13x 6	1890	Robert Beuttell, Bay City, Mich.
Stp	‡Virginia	1606	979	269x38x13	1891	Goodrich Trans. Co., Chicago, Ill.
Str	Virginia	22	14	72x11x 4	1897	J. P. Wagoner, Alexandria Bay, N. Y.
Gyt	Virginia	67	58	73x17x 2	1912	E. W. Andrews, Chicago, Ill.
Sty	‡Visitor	70	....	81x20x 6	1892	U. S. Engineer Corps, Washington, D. C.
Sty	Vita	69	48	86x17x 7	1888	Frank S. Upton, Charlotte, N. Y.
Dge	Vivian, Alice	710	710	120x35x12	1898	Zenith Dredge Co., Duluth, Minn.
Gap	Vixen	8	7	39x 8x 4	1906	Walter E. Pofahl, Manistee, Mich.
Sty	‡Volanta	33	24	82x11x 6	1875	Charles Thoeman, Sault Ste. Marie, Mich.
Gas	Volunteer	11	11	30x30x 4	1910	Martin B. Peterson, Sturgeon Bay, Wis.
Tug	Volunteer	13	9	58x10x 5	1887	J. Martell, Depere, Wis.
Str	‡Vulcan	1759	1366	260x38x23	1889	The Atlas Steamship Co., Duluth, D. T. Helm, Mgr.

W

Str	Waccamaw	1359	920	243x40x18	1900	J. L. Crosthwaite, Buffalo, N. Y.
Sts	Wade, Addie	98	67	80x20x 7	1902	Joseph A. Lemere, Jacksonport, Mich.
Str	‡Wade, J. H.	1863	1502	266x38x23	1890	W. C. Richardson & Co., Cleveland, O.
Sty	Wagner, Matt	53	38	63x13x 6	1888	A. E. Baker, et al., Dunkirk, N. Y. Rebuilt 1904.
Str	Wagoner, Capt. D.	19	13	54x11x 5	1901	David Wagoner, Alexandria Bay, N. Y.
Gas	Wah-ne-tah	13	12	46x 9x 4	1910	Gustav Bormann, Oshkosh, Wis.
Str	‡Wainwright	4937	3714	420x52x28	1908	Edward Mehl, Erie, Pa.
Str	‡Waldo, L. C.	4466	3519	452x48x28	1896	Roby Trans. Co., L. C. Waldo, Mgr., Detroit.
Tug	Walker, T. B.	18	13	42x12x 6	1902	Arthur Wilson, Erie, Pa.
Str	‡Wallace, E. L.	4956	3678	420x52x28	1906	Dearborn Transit Co., Detroit, Mich.
Str	‡Wallace, James C.	6684	5403	532x56x31	1905	Interlake Steamship Co., Cleveland, O.
Str	‡Wallace, Robt.	1640	944	239x41x19	1903	Great Lakes & St. Lawrence Trans. Co., D. Sullivan, Mgr., Chicago, Ill.
Str	Wallula	1924	1415	260x40x24	1882	Gilchrist Transportation Co., Cleveland, O.
Str	‡Walsh, Jas. P.	5630	4772	480x52x30	1905	Ohio S. S. Co., Hutchinson & Co., Mgrs., Cleveland, O.
Stp	Walsh, Lizzie	37	22	65x14x 6	1882	R. J. Ferris, Spring Lake, Mich. (Out of com.)
Dge	Walter D.	136	123	102x27x 6	1891	Toledo Builders' Supply Co., Toledo, O.
Str	Walter J.	9	6	29x 8x 4	1896	Alice May Westfall, Port Byron, N. Y.
Str	Walter S.	35	24	57x14x..	1909	Charles Balow, et al., Michigan City, Ind.
Str	‡Walters, Thomas	7518	5787	580x58x32	1911	Interstate Steamship Co., W. H. Becker, Mgr., Cleveland, O.
Tug	Walton B.	32	16	62x15x 7	1891	Lake Sup. Con. & D. Co., Board of Trade, Duluth, Minn. (Abandoned.)
Tug	Ward, J. W.	40	29	64x16x 8	1891	Thomas Durocher, Sault Ste. Marie, Mich.
Gas	Ward S.	9	9	27x 9x 3	1910	Erik Solberg, Manistee, Mich.
Str	‡Warner, Charles M.	3812	2733	370x48x28	1903	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
Str	‡Warner, Randolph S.	3062	2128	318x42x27	1901	Calumet Trans. Co., J. S. Ashley, Mgr., Cleveland, O.
Gas	Warner, Wm. L.	10	8	31x 9x 4	1902	William L. Warner, Cross Village, Mich.
Tug	Warnick	24	16	50x13x 7	1880	Peter B. Colgan, Dunkirk, N. Y.
Tug	Warren	19	13	42x13x..	1908	Sarah Warren, Tonawanda, N. Y.
Str	Warren, H. O.	26	17	51x10x 6	1898	Oshkosh Builders' Supply Co.
Tug	Warren, Minnie	19	13	47x12x 5	1869	Carter L. Baker, Sturgeon Bay, Wis.
Gas	Watanna	15	12	48x12x 4	1905	Lay Bros., Sandusky, O.
Gas	Water Lilly	12	12	34x 9x 4	1908	John L. Monka, Two Rivers, Wis.
Gas	Water Lily	8	8	26x 8x 3	1911	Clarence J. Schiller, Green Bay, Wis.
Gas	Water Witch	6	5	30x10x 3	1903	Charles E. St. Andre, Naubinway, Mich.
Str	Watkins, Edward	20	10	45x16x 6	1873	David L. Ramage, Sturgeon Bay, Wis.
Str	‡Watson, C. W.	4306	3364	380x50x28	1902	G. A. Tomlinson, Duluth, Minn.
Str	‡Watson, Harvey	23	15	57x14x 6	1893	Joseph Landon, 278 North Ave., Chicago, Ill.

CLASS	VESSEL	Gross Tonnage	Net Tonnage	Keel Beam Depth	Year Built	NAME AND ADDRESS OF OWNER OR MANAGER
Str	‡Watt, James	4090	3105	406x48x28	1896	Pittsburg Steamship Co., Cleveland, O.
Tug	Waubun	77	52	72x19x 9	1887	C. H. Starke Dredge & Dock Co., Milwaukee, Wis. Rebuilt 1904.
Stp	Wauketa	...	....	175x38x14	1908	White Star Line, Detroit, Mich.
Stp	Wau-Kon	137	93	95x19x16	1883	Island Transp. Co., L. R. Boynton, Pres., St. Ignace, Mich.
Gas	Wauneta	6	5	36x 8x 4	1906	H. A. Buttrick, Sturgeon Bay, Wis.
Gay	Waunetka	8	8	32x 8x 4	1903	Edw. J. Early, Green Bay, Wis.
Str	Wave	13	7	39x11x 4	1887	W. G. Wilcox, Plattsburg, N. Y.
Scy	Wave Crest	63	60	84x23x 7	1864	R. K. Dryer, Rochester, N. Y.
Str	Wa Wa	17	10	44x10x 4	1891	Geo. F. Shipman, Escanaba, Mich.
Str	‡Wawatam	1879	1526	266x38x23	1891	Pittsburg Steamship Co., Cleveland, O.
Gas	Wayne	9	6	30x10x..	1906	David A. Thompson, Cheboygan, Mich.
Gas	Weasel	8	7	28x 9x..	1907	W. E. Harting, Charlevoix, Mich.
Tug	Web	24	16	58x15x 5	1903	Case Fish Co., Cleveland, O.
Gas	Wego	7	6	26x 7x 3	1902	Samuel C. & Edward Darrow, Traverse City, Mich.
Stp	Wehrle, A., Jr.	421	291	148x27x 9	1889	G. A. Boeckling, Sandusky, O.
Str	Weidemann, R. H.	34	20	58x16x 7	1882	Edward Bros., Sault Ste. Marie, Mich.
Gas	Weigand, Frank L.	8	7	40x11x 4	1908	Louis Sandwich, Cleveland, O.
Gyt	Weir, Nancy	14	13	48x 9x 3	1910	Claude C. Hopkins, Chicago, Ill.
Tug	Welcome	77	38	85x20x15	1890	Sophia Meyer, Milwaukee, Wis.
Tug	Welcome	58	29	68x17x10	1890	Great Lakes Dredge & Dock Co., Chicago, Ill.
Str	Welcome	212	129	80x21x10	1894	Douglass Transp. Co., St. Clair, Mich.
Gas	Welcome	9	8	29x 8x 3	1906	David A. Trompour, Cheboygan, Mich.
Gas	Welcome	7	6	42x10x 3	1903	W. D. Scott, Chicago, Ill.
Tug	Welcome	10	5	43x12x 4	1888	Thomas Goodman, Washington Harbor, Wis.
Gas	Welcome	13	9	36x10x 4	1906	Mrs. Marjorie C. Moody, Cheboygan, Mich.
Str	‡Wells, Frederick B.	4897	3630	430x50x29	1901	Peavey S. S. Co., G. A. Tomlinson, Mgr., Duluth, Minn.
Str	Wente, Robert C.	335	267	141x30x11	1888	Gus Kitzinger, Manistee, Mich.
Gas	Wesley	6	6	28x 9x 4	1912	Emil Wingum, Sturgeon Bay, Wis.
Str	Westcott, J. W.	522	451	169x31x12	1883	Charles G. Forster, Milwaukee, Wis.
Str	‡Western Star	4764	3593	416x50x28	1903	Cadillac Steamship Co., Detroit; H. K. Oakes, Cleveland, Mgr.
Stp	‡Western States	3077	1566	350x45x20	1902	Detroit & Cleveland Navigation Co., Detroit, Mich.
Str	‡Weston, Charles A.	6996	5511	549x56x31	1906	W. M. Mills, Mgr., Tonawanda, N. Y.
Gap	West Shore	6	6	37x 9x 3	1908	James Campbell, Saugatuck, Mich.
Tug	Wheeler, Irma L.	51	25	66x15x 8	1877	Sturgeon Bay Stone Co., Sawyer, Wis.
Str	Whitaker, Byron	1586	1388	220x38x21	1890	Thomas Furnace Co., Milwaukee, Wis.
Gas	White	8	7	33x10x 4	1908	Hector McLeod, St. Ignace, Mich.
Gas	White Cloud	10	9	33x 9x 4	1907	Severin Kuntson, Marinette, Wis.
Tug	Whitehaven	22	15	44x12x 7	1889	Fred L. Mesmer, Buffalo, N. Y.
Str	‡White, Peter	6184	4931	504x54x30	1905	Presque Isle Trans. Co., Cleveland-Cliffs Iron Co., Mgrs., Cleveland, O.
Str	‡White, Pendennis	4382	3205	416x50x28	1906	John Mitchell, Cleveland, O.
Gas	White Swan	7	6	30x 8x 2	1904	John T. Bossler, Port Washington, Wis.
Slp	White Wings	28	28	43x14x 6	1903	James M. Osgood, South Frankfort, Mich. (Out of com.)
Str	Whitford	14	9	40x 8x 3	1907	Cook & Brown Line Co., Oshkosh, Wis.
Str	‡Whitney, David M.	4626	3584	404x50x28		H. K. Oakes, Rockefeller Bldg., Cleveland.
Gas	Why Not	8	7	27x 8x 3	1905	George Cook, et al., Leland, Mich.
Str	‡Wickwire, Theodore H.	5141	3894	444x56x28	1909	Boland & Cornelius, Buffalo, N. Y.
Str	‡Wickwire, Theodore H., Jr.	6077	4927	504x56x26	1910	American S. S. Co., Boland & Cornelius, Buffalo, Mgrs.
Str	‡Widener, Peter A.B.	7053	5444	580x58x32	1906	Pittsburg Steamship Co., Cleveland, O.
Str	‡Widlar, Francis	4682	3368	416x50x28	1904	Columbia S. S. Co., Wm. Becker, Mgr., Cleveland, O.
Yt	Wilah	32	32	45x19x 6	1910	Leonard S. Poyne, Chicago.
Gay	Wilanna	25	21	64x11x 5	1902	Chas. W. Kotcher, Detroit, Mich.
Gas	Wilbur M.	6	5	27x 9x 4	1909	H. W. Melching, Harbor Springs, Mich.
Tug	Wilcox Co., The M. I.	14	10	40x12x 6	1880	John R. Beucher, Toledo, O.
Gas	Wilcox, Major	15	12	49x12x 4	1904	Booth Fisheries Co., Chicago, Ill.
Sly	Wilcox, M. I.	28	....	61x16x 4	1894	Simon Failing, Point Peninsula, N. Y.
Str	Wild, H. C.	46	31	67x16x 9	1910	Great Lakes Dredge & Dock Co., Chicago.

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Gyt	Wildflower	33	27	66x12x 5	1906	W. A. Gilchrist, Chicago, Ill.
Gay	Wilhelmina	6	6	28x 7x 3	1911	Fred C. Ebeling, Green Bay, Wis.
Str	‡Wilkesbarre	4153	3311	382x50x28	1901	Lehigh Valley Trans. Co., Buffalo, N. Y.
Str	‡Wilkinson, Horace S.	3860	3057	370x48x28	1902	Great Lakes Steamship Co., Rockefeller Bldg., Cleveland, O.
St.s.	Will & Harry	10	7	39x12x 4	1898	U. S. Cornell, Sheboygan, Wis.
Str	Willard L.	46	32	61x16x 8	1910	The Case Fish Co., Cleveland, O.
Tug	Williams, Charles E.	98	67	75x21x10	1907	Great Lakes Dredge & Dock Co., Chicago, Ill.
Tug	Williams, J. L.	51	25	67x19x 9	1883	E. F. England, Duluth, Minn.
Gas	William S.	8	6	33x11x..	1909	Carl G. Johnson, Lorain, O.
Gas	Willie	10	9	30x10x 4	1895	Skenner Bros., Traverse City, Mich.
Gas	Willis W.	10	9	38x11x 5	1907	Michael Weindorf, Erie, Pa.
Str	Willow	18	13	72x14x 3	1903	P. H. Riley, Erie, Pa.
Gap	Willow H.	7	6	32x 8x 3	1903	Wm. Skimin, Ludington, Mich.
Str	‡Wilpen	7612	5851	554x58x32	1906	Shenango S. S. Co., W. B. Davock, Mgr., Cleveland, O.
St.s	Wilson, Anna C.	100	68	91x20x 7	1912	W. P. Wilson et al, Saugatuck, Mich.
Str	Wilson, Mathew	322	243	141x28x11	1872	Dennis McMillan, et al., Muskegon, Mich.
Str	‡Wilson, Capt. Thos.	4719	3959	416x50x28	1900	Wilson Transit Co., Cleveland, O.
Tug	Wilson, Thomas	71	35	73x18x10	1888	Great Lakes Towing Co., Cleveland, O.
Tug	‡Wilson, Gen. John M.	42	28	70x15x 8	1898	U. S. Engineer, Buffalo, N. Y.
Gscy	Wing and Wing	16	12	45x 9x 7	1903	Warren J. Brodie, Cleveland, O.
Str	Winnepeg	1708	1474	252x35x16	1878	Boland & Cornelius, Buffalo, N.Y.
Gas	Winnie M.	10	9	37x11x..	1909	John C. Tabb, Erie, Pa.
Sty	‡Winyah	143	74	115x20x 9	1894	F. W. Fletcher, Alpena, Mich.
Str	‡Wisconsin	4858	3707	420x50x28	1903	Acme Transit Co., Cleveland, O.
Str	Wisconsin	16	11	41x10x 5	1901	Charles Merbach, Neenah, Wis.
Str	‡Wissahickon	4062	3104	350x46x30	1907	Erie & Western Trans. Co., Anchor Line, Buffalo, N. Y.
Tug	Witch	44	17	60x18x 7	1904	Wm. H. Sharp, Bay City, Mich.
Str	Witherbee, J. G.	114	75	108x20x 9	1872	Lake Champlain Trans. Co., Whitehall, N. Y.
Str	Witt, Herman	12	7	43x11x 5	1903	Nicholas H. Witt, Duluth, Minn.
Str	‡Wolf, William H.	6281	4767	504x54x30	1908	Gartland S. S. Co., D. Sullivan, Mgr., Chicago, Ill.
Str	Wolf, William H.	2265	1791	285x42x21	1887	Pennsylvania S. S. Co., Milwaukee, Wis.
Str	‡Wood, Joseph	6360	4921	504x54x30	1910	Eastern S. S. Co., M. A. Hanna & Co., Mgrs., Cleveland, O.
Str	Woods, Frank	384	316	120x26x18	1888	Benton Transit Co., Benton Harbor, Mich.
Str	Woodworth, F. C.	89	78	68x15x 5	1901	F. Woodworth, W. Webster, N. Y.
Gap	Wolverine	9	8	45x10x 4	1907	Logan J. Drake, St. Joseph, Mich.
Str	‡Wolvin, Augustus B.	6585	5311	540x56x32	1904	Interlake Steamship Co., Cleveland, O.
Gap	Wonder	7	6	27x 9x 3	1903	Edward Brooke, Glen Harbor, Mich.
Tug	Woods, Arthur	37	19	54x16x 6	1888	The Breakwater Co., Cleveland, O.
Gas	Woodward, Col.	14	11	49x12x 4	1905	G. A. Boeckling, Sandusky, O.
Stp	Wotan	886	712	192x37x14	1893	Louis Sands Salt & Lumber Co., Manistee, Mich.
Str	‡Wyandotte	2095	1283	286x45x24	1908	Wyandotte Transp Co., Detroit, Mich.
Gas	Wyandotte	7	6	26x 7x 3	1903	Rasmus Hendrickson, Manistee, Mich.
Gas	Wyanoke	17	11	41x10x 4	1900	Horace Allen, Hammond, N. Y.
Tug	Wyland, J. L.	27	18	60x14x 6	1885	Booth Fisheries Co., Chicago, Ill.
Str	Wyoming	1488	934	241x39x14	1887	Wyoming Steamship Co., Buffalo, N. Y.

Y

Str	Yale	99	36	71x20x10	1909	Great Lakes Towing Co., Cleveland, O.
Str	‡Yale	3453	2698	371x45x27	1895	Boland & Cornelius, Buffalo, N. Y.
Gas	Yankton	14	9	40x10x 4	1912	John S. Phelps, Oswego, N. Y.
Str	‡Yates, Harry	6077	4927	504x56x26	1910	American S. S. Co., Boland & Cornelius, Mgrs., Buffalo, N. Y.
Str	Yonkers	1770	1571	264x37x24	1879	Edw. Gillen Dock, Dredge & Construction Co., Racine, Wis.
Str	York State	89	71	66x24x 6	1899	Andrew N. Johnson, Chicago, Ill.
Str	‡Yosemite	3879	3044	356x50x28	1901	G. A. Tomlinson, Duluth, Minn.
Ltr	Youghiogheny	177	170	115x30x 4	1889	Pittsburg Coal Co., Cleveland, O.
Gas	Yours Always	5	5	27x 7x 3	1898	John Carlson, Ellison Bay, Wis.
Str	‡Yuma	2194	1828	323x42x24	1893	Wilson Transit Co., Cleveland, O.

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	Z					
Dge	Zancle	757	360	125x36x..	1907	St. Lawrence River Power Co., Massena, N. Y.
Str	‡Zenith City	3850	3429	387x48x29	1895	Pittsburg Steamship Co., Cleveland, O.
Str	Zillah	748	583	201x37x13	1890	O. W. Blodgett, Bay City, Mich.
Str	‡Zimmerman, Eug'ne	5630	4772	480x52x30	1905	The Toledo S. S. Co., John Craig, Mgrs., Toledo, O.
Gas	Zita	6	6	29x 9x 4	1898	Thomas Ringer, Two Rivers, Wis.

BARKENTINE BENECIA

Steam and Power Vessels on the Inland Waters of Canada from the Lake of the Woods to the River St. Lawrence, inclusive.

(Copyright, 1913, The Penton Pub. Co., Cleveland.)

‡Indicates steel or iron vessels. Tons of steam vessels are gross tons. Year in brackets, thus (1895), is year in which vessel was built.

A

Abeona, stm., 46 tons, 89 ft. (1889), Harry Oldfield, Parry Sound, Ont.

Aberdeen, stm., 13 tons, 51 ft. (1894), Amos Hudgin, Tp. of Halliwell, Ont.

Aberdeen, stm., 87 tons, 79 ft. (1895), Harbor Commissioners, Montreal, Que.

Aberdeen, stm., 142 tons, 99 ft. (1894), Ontario & Quebec Nav. Co., Ltd., Picton, Ont.

Abino, stm., 8 tons, 41 ft. (1894), Wm. T. Windsor, Callender, Ont.

Abitibi, stm., 106 tons, 74 ft. (1907), Thomas Walsh, Kenora, Ont.

Acacia, stm., 107 tons, 92 ft. (1893), Wallaceburg Sugar Co., Ltd., Wallaceburg, Ont.

Accommodation, stm., 409 tons, 151 ft. (1910), St. Lawrence Sand Gravel Dredging Co. Ltd., Sorel, Que.

Actaea, stm., 11 tons, 46 ft. (1894), Andrew F. Gault, Montreal, Que.

Activity, stm., 22 tons, 44 ft. (1892), E. A. D. Morgan, Montreal, Que.

Ada, stm., 29 tons, 61 ft. (1886), W. C. Edwards & Co., Ltd., Ottawa.

Ada Alice, stm., 60 tons, 66 ft. (1879), Wm. Davies Co. Ltd., Toronto, Ont.

Adams, Freddie, stm., 16 tons, 40 ft. (1906), Geo. E. Adams, Parry Sound, Ont.

Adelaide, stm., 3 tons, 30 ft. (1888), L. R. Dowker, Montreal, Que.

Adelard, stm., 17 tons, 46 ft. (1907), Jos. Capistran, Yamaska, Que.

Adelia S., stm., 19 tons, 51 ft. (1911), St. Gabriel Lumber Co. Ltd., Montreal, Que.

Adine, gas, 5 tons, 32 ft. (1909), Clarence H. Lewis, Montreal, Que.

Adine II, gas, 21 tons, 55 ft. (1910), J. K. L. Ross, Montreal, Que.

Adirondack, stm., 12 tons, 40 ft. (1887), Joseph H. Dansereau, Vercheres, Que.

Adiramled, stm., 630 tons, 198 ft. (1866-1882), Lachine Transportation & Coal Co., Ltd., Montreal, Que.

Adonis, stm., 14 tons, 61 ft. (1890), J. B. Tressider, Montreal, Que.

Adrelexa, stm., 20 tons, 61 ft. (1886), Edward Adamson, Toronto, Ont.

Advance, stm., 72 tons, 48 ft. (1886), Wm. A. Kennedy, Manitoulin, Ont.

Advance, stm., 1031 tons, 175 ft. (1884), Montreal Trans. Co., Ltd., Montreal, Que.

‡Agawa, stm., 3759 tons, 379 ft. (1902), Algoma Central & H. B. Ry. Co., Sault Ste. Marie, Ont.

Agnes, stm., 23 tons, 50 ft. (1884), W. W. Grant, et al., Spanish River, Ont.

Agnes, stm., 14 tons, 55 ft. (1898), Montreal River Nav. Co. Ltd., Cobalt, Ont.

Agnes, stm., 29 tons, 56 ft. (1883), G. Bothwell, Buckingham, Que.

Agnes C., stm., 20 tons, 47 ft. (1887), W. H. Plummer, Sault Ste. Marie.

Agwinde, stm., 307 tons, 105 ft. (1900), Rainy River Nav. Co., Ltd., Kenora, Ont.

Ahmic, stm., 77 tons, 80 ft. (1896), The Muskoka Lakes Navigation & Hotel Co., Ltd., Toronto, Ont.

Aid, stm., 25 tons, 65 ft. (1886), J. A. Cameron, Thurso, Que.

Aikins, W. J., stm., 42 tons, 60 ft.(1874), D. C. Graham, Fort William.

Aileen, stm., 38 tons, 68 ft. (1904), The Upper Ontario Steamboat Co. Ltd., New Liskeard, Ont.

Ailsa, gas, 2 tons, 21 ft. (1909), F. J. Spielman & A. Solomon, Montreal, Que.

Ainsworth, C. E., stm., 76 tons, 81 ft. (1901), Dominion Fish Co. Ltd., Winnipeg, Man.

Ajax, stm., 33 tons, 54 ft. (1902), W. F. C. Boyd, Bobcaygeon.

Alan, stm., 6 tons, 29 ft. (1907), W. H. Argue, Parry Sound, Ont.

Alaska, stm., 246 tons, 102 ft. (1906), Sincennes-McNaughton Line, Montreal, Que.

Alaska, stm., 51 tons, 73 ft. (1899), Cie Maritime et Commercial du Bas, St. Laurent, Lee, Anticosti, Que.

Albani, stm., 5 tons, 36 ft. (1892), Wm. Davies, Toronto, Ont.

Alberic, Charles, bge., 104 tons, 100 ft. (1875), Joseph Souillier, Sorel, Que.

Albert, stm., 3 tons, 42 ft. (1890), Adolphe Pepin, St. Aime, Que.

Albert, stm., 296 tons, 147 ft. (1888), Upper Ottawa Improvement Co. Ltd., Ottawa, Ont.

Albert C., stm., 17 tons, 43 ft. (1911), J. D. Chennard, Berthierville, Que.

Alberta, stm., 125 tons, 96 ft. (1905), Sincennes-McNaughton Line, Ltd., Montreal, Que.

Alberta, stm., 7 tons, 30 ft. (1907), Geo. Gerow, Rossport, Ont.

Alberta, stm., 2 tons, 20 ft. (1904), D. L. Mather, Kenora, Ont.

‡Alberta, stm., 2828 tons, 304 ft. (1883 & 1911), Canadian Pacific Ry. Co., Montreal, Que.

Alberta M., stm., 38 tons, 69 ft. (1907), W. J. Keen et al., Blind River, Ont.

Alcyon, stm., 44 tons, 63 ft. (1901), E. Gagnon, St. Anne de Chicoutimi, Que.

Alcyone, stm., 38 tons, 76 ft. (1890), H. M. Molson, Montreal, Que.

Aldrich, W. B., stm., 59 tons, 68 ft. (1868-1905), H. A. Hacket et al., Amherstburg, Ont.

‡Alert, stm., 53 tons, 68 ft. (1904), Upper Ottawa Improvement Co. Ltd., Ottawa, Ont.

Alert, stm., 50 tons, 64 ft. (1886), Minister of Railways & Canals, Ottawa.

Alert, stm., 47 tons, 58 ft. (1886), Welland Canal Tug Co. Ltd., Pt. Colborne, Ont.

Alert, stm., 9 tons, 37 ft. (1903), North Channel Towing Co. Ltd., Cutler, Ont.

Alert, stm., 4 tons, 40 ft. (1879), Louis H. Hebert, St. Johns, Que.

Aletha, stm., 171 tons, 107 ft. (1901), Ontario & Quebec Nav. Co. Ltd., Picton, Ont.

Alex, sail, 13 tons, 33 ft. (1893), J. A. Martin, Rimouski, Que.

Alexandra, see Arthur C.

‡Alexandra, stm., 417 tons, 148 ft. (1903), Upper Ottawa Improvement Co. Ltd., Ottawa, Ont.

Alexandria, paddle stm., 863 tons, 173 ft. (1883), Ontario & Quebec Nav. Co. Ltd., Picton, Ont.

Alfred, paddle stm., 89 tons, 48 ft. (1895), A. L. Davis, Peterboro.

‡Algoma, stm., 157 tons, 104 ft. (1901), International Transit Co. Ltd., Sault Ste. Marie, Ont.

Algoma, stm., 5 tons, 36 ft. (1901), John H. Davis, Kingston.

Algoma, stm., 69 tons, 56 ft. (1904), Rat Portage Lumber Co., Ltd., St. Boniface, Man.

Algonquin, stm., 305 tons, 120 ft. (1906), Huntsville L. of Bays and L. Sim Nav. Co., Toronto, Ont.

‡Algonquin, stm., 1806 tons, 245 ft. (1888), St. Lawrence & Chicago Steam Nav. Co. Ltd., Toronto.

Algonquin, dredge, 335 tons, 91 ft. (1894-1907), C. J. Smith, Montreal, Que.

Alice, stm., 67 tons, 70 ft. (1894), Dominion Dredging Co. Ltd., Ottawa, Ont.

Alice, stm., 15 tons, 41 ft. (1902), T. Lemyre, Grandes Piles, Que.

Alice, stm., 3 tons, 31 ft. (1896), A. Whelan, Aylmer, Que.

Alice, stm., 48 tons, 70 ft. (1901), J. B. Fraser, Ottawa, Ont.

Alice, stm., 403 tons, 125 ft. (1907), The Minister of Agriculture, Ottawa, Ont.

Alice G., stm., 36 tons, 60 ft. (1902), Dominion Fish Co. Ltd., Winnipeg.

Aligator, paddle stm., 6 tons, 31 ft. (1893), F. Baker, Barrie.

Allena May, stm., 16 tons, 47 ft. (1897), H. Walker, and Chas. J. Smith, J. O. Walker's Point, Ont.

Allege, stm., 73 tons, 69 ft. (1910), D. Magnan, Sorel, Que.

Allie, stm., 11 tons, 40 ft. (1890), A. W. Jones and D. M. Jones, Ottawa.

Alma, stm., 43 tons, 54 ft. (1903), Charles Marcoux, Berthier, Que.

Alma, stm., 6 tons, 29 ft. (1895), Charles J. Lorimer, Stanstead, Que.

Alma, stm., 12 tons, 36 ft. (1891), A. Lemay, Portneuf, Que.

Alma C., stm., 19 tons, 60 ft. (1906), Turner Lumber Co. Ltd., Toronto, Ont.

Alonette, gas, 3 tons, 30 ft. (1912), Alphonse Decary, Montreal, Que.

Alpha, stm., 61 tons, 72 ft. (1898), Cie Maritime et Commerciale du Bas St. Laurent, Ltd., Anticosti, Que.

Alpha, stm., 2 tons, 30 ft. (1902), Y. M. C. A., Winnipeg, Man.

Alpha, stm., 20 tons, 47 ft. (1900), Minister of Marine and Fisheries, Ottawa, Ont.

Alpha, gas, 2 tons, 23 ft. (1906), John Alexander Johnston, Ignace, Ont.

Alporto, stm., 101 tons, 85 ft. (1912), Beaumont Bros., Muskoka, Ont.

Alva, stm., 27 tons, 50 ft. (1901), The Minister of Public Works, Ottawa, Ont.

Alva D., stm., 22 tons, 43 ft. (1912), Paul Dupuis, Penetanguishene, Ont.

Alva W., stm., 39 tons, 65 ft. (1908), Brayton C. Westcott and Freeman S. Wright, J. O., Leamington, Ont.

Amable du Fond, stm., 17 tons, 42 ft. (1884), McLachlin Bros. Ltd., Arnprior, Ont.

Amanda, stm., 11 tons, 32 ft. (1868), Hyacinth Beaulieu, Levis, Que.

Amanda, stm., 6 tons, 36 ft. (1903), W. Stewart, Muskoka, Ont.

Amappah, gas, 26 tons. 51 ft. (1908), J. W. Duncan, Montreal, Que.

America, stm., 521 tons, 153 ft. (1895), St. Lawrence River Stbt. Co. Ltd., Kingston.

Amigo, stm., 17 tons, 41 ft. (1907), Mrs. M. J. Sims, Manitowaning, Ont.

Amy, stm., 40 tons, 55 ft. (1901), Randolph Macdonald, Toronto.

Anchora, stm., 6 tons, 42 ft. (1902), Robt. J. McKee, Toronto.

Anna M., gas, 2 tons, 28 ft. (1906), G. W. Mahood, Kingston, Ont.

Anne Marie, stm., 8 tons, 37 ft. (1886), D. Gillies, Carleton Pl., Ont.

Annie, stm., 1 ton, 25 ft. (1886), E. A. Dunlop et al., Pembroke, Ont.

Annie C., stm., 6 tons, 37 ft. (1894), N. A. Beach, Georgeville, Que.

Annie Laurie, stm., 3 tons, 36 ft. (1890), T. Reynolds and H. Dreany, North Bay, Ont.

Annie M., stm., 33 tons, 56 ft. (1900), Mrs. M. A. Clark, Collingwood.

Annie Mc., stm., 13 tons, 33 ft. (1897), Thos. McLeod, Port Arthur.

Anoka, stm., 61 tons, 65 ft. (1912), Keewatin Lumber Co. Ltd., Keewatin, Ont.

Anona, gas, 5 tons, 32 ft. (1903), A. W. Winnett, Kingston, Ont.

Antelope, stm., 20 tons, 60 ft. (1889), J. D. Beaton & J. R. Loney, Ottawa, Ont.

Antelope, stm., 83 tons, 82 ft. (1887), Dickson Anderson, Montreal, Que.

Anthemis, stm., 95 tons, 86 ft. (1909), Memphremagog Nav. Co., Montreal, Que.

Aphia, gas, 11 tons, 45 ft. (1907), Robert Lucas, Lachine, Que.

‡Arabian, stm., 1073 tons, 178 ft. (1892), Frank Plummer, Toronto, Ont.

Arbutus, stm., 49 tons, 63 ft. (1887), Northern Island Pulpwood Co. Ltd., Port Arthur, Ont.

Archibald, stm., 20 tons, 46 ft. (1904), W. R. Isherwood & S. Dyer, Fort Frances, Ont.

Arctic, stm., 101 tons, 96 ft. (1893), Rathbun Co., Deseronto, Ont.

Argo, stm., 20 tons, 50 ft. (1906), D. Foster, Port Coldwell, Ont.

Argyle, stm., 97 tons, 79 ft. (1900-1912), James Fraser, Keewatin, Ont.

Argyle, paddle stm., see Frontier.

Ariel, stm., 11 tons, 56 ft. (1890), D. J. Kaine, St. Alphonse de Chicoutimi, Que.

Ariel, stm., 3 tons, 25 ft. (1900), John H. Mason, Toronto.

Armenia, stm., 467 tons, 176 ft. (1873), Adolf Lomer, Montreal, Que.

Armour, stm., 191 tons, 87 ft. (1906), A. A. Agar, Burk's Falls, Ont.

Arnold, Fanny, stm., 73 tons, 89 ft. (1882), Spanish River Co., Spanish River.

Arnoldi, John R., dredge, 68 tons, 72 ft. (1884), William Marleton, Goderich, Ont.

Arnott, Mary, stm., 8 tons, 31 ft. (1886), D. Lowery, Brantford.

Arpin, Ed., stm., 6 tons, 38 ft. (1879), Ed. Arpin, St. John's, Que.

Arrah Wanna, stm., formerly Genl. Wm. B. Franklin, 20 tons, 54 ft. (1880-1899), Peter Cavanagh, Perth, Ont.

Arrow, gas, 3 tons, 24 ft. (1907), J. W. Stone Boat Mfg. Co. Ltd., Kenora, Ont.

Arrow, gas, 4 tons, 35 ft. (1901), Minister of the Naval Service, Ottawa.

Arthemise, stm., 11 tons, 34 ft. (1902), F. J. Squires, Havelock, Ont.

Arthur, stm., 78 tons, 90 ft. (1890), Tourville Lumber Mills Co., Montreal, Que.

Arthur, stm., 15 tons, 43 ft. (1895), Joseph Levesque, Roberval, Que.

Arthur C., (formerly Alexander & Sunbeam), stm., 105 tons, 76 ft. (1891), Kawartha Lakes Navigation Co. Ltd., Lindsay, Ont.

Aryan, stm., 2 tons, 30 ft. (1895), M. R. Davis, Kingston.

‡Assiniboia, stm., 3880 tons, 336 ft. (1907), Can. Pacific Ry., Montreal, Que.

‡Athabaska, stm., 2784 tons, 298 ft. (1883 & 1910), Canadian Pacific Ry. Co., Montreal, Que.

Athendune, gas, 4 tons, 33 ft. (1904), Jas. H. Ashdown, Winnipeg, Man.

‡Atikokan (formerly John B. Trevor), stm., 2004 tons, 362 ft. (1895), Canadian North West S. S. Co. Ltd., Port Arthur, Ont.

Auburn, scow, 190 tons, 110 ft. (1912), Minister of Railways & Canals, Ottawa, Ont.

Audrey C., stm., 87 tons, 71 ft. (1907), Manley Chew, Midland, Ont.

Auger, H., 37 tons, 55 ft. (1892), Joseph N. Dussault, Les Ecureuils, Que.

Aurelia, stm., 34 tons, 56 ft. (1869 and 1903), Robt. Weddell, Trenton, Ont.

Aurora II, gas (formerly Ethel May), 24 tons, 58 ft. (1909), Dr. John J. Harty, Kingston, Ont.

Avery, F. W., stm., 14 tons, 37 ft. (1895), F. W. Avery, Ottawa, Ont.

Awahanna II, stm., 50 tons, 44 ft. (1908), Frederick Mills, Beaumaris P. O., Muskoka, Ont.

Ayuda, gas, 10 tons, 38 ft. (1908), Wm. Cuthbert, Montreal, Que.

B

Bain, Jessie, stm., 67 tons, 70 ft. (1888), St. Lawrence River Stbt. Co. Ltd., Kingston, Ont.

Baird, Harry, stm., 42 tons, 61 ft. (1885-1896), James Leighton, Port Elgin, Ont.

Balize, stm., 247 tons, 132 ft. (1863), John Charlton, Lynedock.

Balmoral, stm., 37 tons, 53 ft. (1899), L. Bellefeuille, Kenora, Ont.

Bancroft, stm., 10 tons, 37 ft. (1903), R. C. Carter, Deseronto.

Bangs, C. W., stm., 4 tons, 36 ft. (1902), John F. Hurdman, Ottawa.

Banning, Ethel, stm., 38 tons, 50 ft. (1890), W. A. Weir, Kenora, Ont.

Baptiste, paddle stm., 8 tons, 37 ft. (1902), R. C. Carter, Deseronto.

Barnes, Frank C., stm., 63 tons, 66 ft. (1892), Canadian Towing & Wrecking Co. Ltd., Port Arthur, Ont.

Barrett, Annie, stm., 42 tons, 58 ft. (1901), Antoine St. Pierre, Three Rivers, Que.

‡Bartlett, stm., 328 tons, 124 ft. (1908), Montreal Trans. Co. Ltd., Montreal, Que.

Baskatong, stm., 13 tons, 36 ft. (1895), John Gilmore, Ottawa, Ont.

Batt, Frank C., stm., 33 tons, 59 ft. (1883), Robt. Reford, Montreal, Que.

Battle, Thomas Freel, stm., 54 tons, 64 ft. (1888), Joseph Battle, Thorold, Ont.

Bawating, stm., 246 tons, 110 ft. (1875), International Transit Co., Sault Ste. Marie.

‡Bayfield (formerly Lord Stanley), stm., 276 tons, 140 ft. (1889), Minister of the Naval Service, Ottawa.

B. C. L., stm., 18 tons, 44 ft. (1911), H. F. Huxtable, Michipicaten, Ont.

Beatrice, stm., 40 tons, 64 ft. (1892), A. Baptiste, Three Rivers, Que.

Beatrice, stm., 7 tons, 35 ft. (1900), Daniel Dashwood, Dunnville.

Beatrice M., stm., 36 tons, 60 ft. (1902), John Bowman, Rossport.

‡Beauharnois (formerly Richelieu), paddle stm., 167 tons, 130 ft. (1845), Calixte Guyon, Montreal, Que.

‡Beaumont, stm., 58 tons, 69 ft. (1907), John Stewart, Glasgow, G. B.

‡Beaupre (formerly Montreal), paddle stm., 2,068 tons, 262 ft. (1868), Richelieu & Ont. Nav. Co., Montreal.

Beaver, stm., 2 tons, 36 ft. (1901), O'Connor Steamboat & Hotel Co. Ltd., Toronto, Ont.

Beaver, paddle stm., 31 tons, 50 ft. (1907), Upper Ottawa Improvement Co. Ltd., Ottawa, Ont.

Beaver, stm., 34 tons, 28 ft. (1883 and 1908), Peterboro Fuel & Cartage Co. Ltd., Peterboro, Ont.

Beaver, stm. pa., 13 tons, 36 ft. (1893), John Lumsden, Ottawa, Ont.

Beaver, stm., 41 tons, 64 ft. (1892), Harbour Commissioners, Montreal, Que.

Beaver, stm., 92 tons, 78 ft. (1897), John Carew, Lindsay.

Beaver, stm., 29 tons, 54 ft. (1899), Wm. Cane Sons Co. Ltd., Newmarket, Ont.

Bedford, Mary, sail, 61 tons, 101 ft. (1888), Benj. Tett, Bedford Mills.

Bell, Hattie, stm., 8 tons, 40 ft. (1907), Mrs. Hattie Bell et al., Bridgenorth, Ont.

Bell, Ida, stm., 6 tons, 28 ft. (1890), C. C. Bates, Clear Creek.

Bell, Katie, stm., 2 tons, 31 ft. (1898), John R. McRae, Ottawa.

Bella, stm., 43 tons, 52 ft. (1900), J. L. MacDonald, Cross Point, Que.

Bella Donna, gas, 57 tons, 59 ft. (1910), Charles Ross, Port Maitland, Ont.

Belle, stm., 16 tons, 44 ft. (1896), G. A. Brown, Port Burwell.

Belle, stm., 3 tons, 29 ft. (1903), Abner Nichols, Carleton Place.

Belle, stm., 82 tons, 77 ft. (1883 & 1904), John S. Thom, Quebec, Que.

Belle Amelia, stm., 4 tons, 39 ft. (1883), G. W. Dench, Trenton.

Belle (The), stm., 31 tons, 66 ft. (1899), Alexander Kennedy, Meaford, Ont.

Belle of Temagami, stm., 169 tons, 100 ft. (1906), O'Connor Steamboat & Hotel Co. Ltd., Toronto, Ont.

Belletta, stm., 2 tons, 21 ft. (1901), Alfred G. Peasey, Toronto.

‡Belleville (formerly Spartan), paddle stmr., 1233 tons, 200 ft. (1865 and 1905), Richelieu & Ont. Nav. Co., Montreal, Que.

Bellwood, stm., 23 tons, 44 ft. (1908), Charles Mickle, Gravenhurst, Ont.

Benham, C. E., stm., 140 tons, 102 ft. (1865), W. J. McMenemy, Bruce Mines.

Bennett, J. W., stm., 107 tons, 90 ft. (1876), G. H. Fineout and A. I. Perry, Port Arthur, Ont.

Berry, Hattie, stm., 42 tons, 68 ft. (1908), William Berry, Port Stanley, Ont.

Bertha, stm., 11 tons, 35 ft. (1901), Frank Dompier, Rossport.

Bertha, stm., 18 tons, 51 ft. (1891), F. Montgomery, Parry Sound.

Bertha May, stm., 20 tons, 43 ft. (1886), Harper Walker, Walkers' Point, Muskoka, Ont.

‡Berthier, paddle stm., 934 tons, 184 ft. (1870), Richelieu & Ont. Nav. Co., Montreal.

Bessie, stm., 1 ton, 18 ft. (1901), James R. Dodsworth, Lakefield, Ont.

Bessie B., stm., 53 tons, 60 ft. (1904), Jos. E. Budreau, Rainy River.

Bessie F., gas, 3 tons, 26 ft. (1907), Herbert Ditchburn, Gravenhurst, Ont.

Bessie M., stm., 44 tons, 69 ft. (1907), James P. McDonald, Blind River, Ont.

Beta, gas, 2 tons, 23 ft. (1906), John A. Johnston, Ignace, Ont.

‡Bethalma, stm., 113 tons, 110 ft. (1899), Hon. C. S. Hyman, London, Ont.

Bethleem, bge., 129 tons, 97 ft. (1874-1904), Arsene Massicotte, Deschaillons, Que.

‡Bickerdike (formerly Arabia) stm., 1,515 tons, 233 ft. (1873), Montreal & Great Lakes S. S. Co. Ltd., Ottawa, Ont.

Bienvenu, stm., 648 tons, 144 ft. (1875), Zephirin Arpin, Lanoraie, Que.

Bill, gas, 2 tons, 21 ft. (1900), Manley Cross, Gananoque.

Bird (formerly Anglesea), stm., 280 tons, 132 ft. (1879 and 1900), Kaine & Bird Transp. Co. Ltd., Quebec, Que.

Black Douglass, stm., 750 tons, 166 ft. (1883), Carlaw & Smith, Belleville, Ont.

Blake, Edward, stm., 22 tons, 48 ft. (1884), Wm. Birmingham, Ottawa, Ont.

Blanche, stm., 6 tons, 30 ft. (1903), J. B. Rheauet, St. Remi du Lac aux Sables, Que.

‡Blue Bell, paddle stm., 752 tons, 150 ft. (1906), The Toronto Ferry Co. Ltd., Toronto, Ont.

Bluebell, stm., 12 tons, 48 ft. (1888), Hiram A. Calvin, Garden Island, Ont.

Blue Peter III, gas, 5 tons, 35 ft. (1906), Francis R. Redpath, Montreal, Que.

Bly, Nellie, stm., 13 tons, 42 ft. (1890), Jos. Goodwin, Toronto.

‡Bobs, stm., 9 tons, 36 ft. (1900), E. H. Durnan, Toronto, Ont.

Bobs, stm., 11 tons, 28 ft. (1904), J. L. Rogers, Peterboro, Ont.

‡Bobs, stm., 38 tons, 66 ft. (1900), The Temagami Stmbt. & Hotel Co. Ltd., Temagami, Ont.

Bon Ami, stm., 245 tons, 105 ft. (1902), T. C. and C. L. D. Sims, Little Current, Ont.

Bonenfant, H., stm., 22 tons, 63 ft. (1883), Honore Bonenfant, Charlemagne, Que.

Bonenfant, H., stm., 31 tons, 61 ft. (1893), Alexandre Chatelain, L'Original, Ont.

Bonnechere, stm., 13 tons, 35 ft. (1893), McLachlin Bros. Ltd., Arnprior, Ont.

Boone, C. A. (formerly Severn), stm., 44 tons, 63 ft. (1883), Chas. S. Boone, Toronto.

Booth, J. F., paddle stm., 90 tons, 75 ft. (1907), John R. Booth, Ottawa, Ont.

Booth, C. J., paddle stm., 86 tons, 15 ft. (1907), John R. Booth, Ottawa, Ont.

Booth, Wm., stm., 46 tons, 67 ft. (1883), Henry Quinlan et al., Belleville, Ont.

Bothnia (formerly Jack), stm., 833 tons, 178 ft. (1895), Meaford Transportation Co., Ltd., Meaford, Ont.

Botrel, stm., 18 tons, 50 ft. (1903), J. N. Godin, Three Rivers, Que.

‡Boucherville, paddle stm., 419 tons, 178 ft. (1886), Richelieu & Ont. Nav. Co., Montreal.

Bourgeois, stm., 94 tons, 108 ft. (1892), The Corporation of the City of Three Rivers, Que.

Bout de Lile, stm., 15 tons, 61 ft. (1904), Alex. Chatelain, L'Original, Ont.

Bout de Lile, ferry, 10 tons, 64 ft. (1887), Sam Beaudry, Pointe aux Trembles, Que.

Bow Echo, gas, 4 tons, 33 ft. (1911), Peterboro Canoe Co. Ltd., Peterboro, Ont.

Bowman, C. M., stm., 88 tons, 92 ft. (1897), C. M. Bowman and W. J. Strong, Southampton.

Bowman, A. F., stm., 113 tons, 76 ft. (1906), Canadian Towing & Wrecking Co. Ltd., Port Arthur, Ont.

Brant, stm., 49 tons, 55 ft. (1906), W. E. Phin, Welland, Ont.

Brant, gas, 6 tons, 31 ft. (1905), Joseph K. Boswell, Quebec, Que.

Breck, Marion L., sail, 298 tons, 127 ft. (1863), John McGibbon, Sarnia.

‡Britannic, paddle stm., 428 tons, 150 ft. (1866-1892), Montreal & Cornwall Nav. Co. Ltd., Cornwall, Ont.

British Lion, stm., 22 tons, 36 ft. (1903), Rainy River Lumber Co. Ltd., Rainy River, Ont.

Briton, (The), formerly S. & J. Collier, sail, 146 tons, 106 ft. (1862), A. M. Palmatier, Picton.

Brittain, R. C., stm., 213 tons, 142 ft. (1877), Wm. Scott, Wallaceburg.

Brittania, ferry, 14 tons, 54 ft. (1899), John McAra, Bristol, Que.

Brock, W. D., stm., 13 tons, 35 ft. (1905), Thos. Longworth, Steelton, Ont.

Brockville, stm., 191 tons, 105 ft. (1898), Ontario & Quebec Nav. Co. Ltd., Picton, Que.

Brodeur, Demers, sail, 142 tons, 106 ft. (1882), D. Leroux, Vandreuil, Que.

Bronson, E. H., stm., 285 tons, 140 ft. (1895), Upper Ottawa Improvement Co. Ltd., Ottawa, Ont.

Bronson, H. F., stm., 137 tons, 91 ft. (1870), Montreal Transportation Co. Ltd., Montreal.

Brooks, Le Roy, stm., 61 tons, 71 ft. (1891-1910), J. S. McQueen, Amherstburg, Ont.

Brothers, stm., 18 tons, 39 ft. (1886), E. T. Morrow, Ft. William.

Brown, Gordon, stm., 33 tons, 69 ft. (1901), A. C. Brown, Port Stanley.

Brulot, stm., 8 tons, 32 ft. (1903), George J. Paradis, Salmon Lake, Que.

Brydges, C. J., stm., 39 tons, 62 ft. (1874), Minister of Public Works, Ottawa.

Buckly, W. P., stm., 27 tons, 45 ft. (1870), James Buckly, Prescott.

Buena Vista, stm., 144 tons, 93 ft. (1911), John Randall, Seeleys Bay, Ont.

Burke, D. J. (formerly Waubaushene), stm., 97 tons, 71 ft. (1882), D. J. Burke, Midland, Ont.

Burwash, paddle stm., 45 tons, 68 ft. (1909), McLachlin Bros. Ltd., Arnprior, Ont.

‡Butler, Bessie, stm., 77 tons, 78 ft. (1907). Minister of Railways and Canals, Ottawa, Ont.

Byers, Stanley, stm., 9 tons, 30 ft. (1901), Robert Byers, Spanish River, Ont.

C

C. A. B., stm., 30 tons, 55 ft. (1909), C. A. Bernier, St. Joseph de Levis, Que.

Callender, stm., 2 tons, 20 ft. (1892), Isaac Dollery, Fairbank.

Calumet, stm., see Winnett.

Calumet Island, gas paddle, 18 tons, 42 ft. (1909), Fred Ladouceur, Calumet Island, Ont.

Campania, stm., 23 tons, 48 ft. (1893), G. M. Stearns, Lake Megantic, Que.

Canada, stm., 557 tons, 135 ft. (1872), J. S. Nesbit, Sarnia.

Canada Atlantic Transfer, stm., 619 tons, 171 ft. (1884), Montreal Lighterage Co. Ltd., Montreal, Que.

Canadien, stm., 22 tons, 61 ft. (1883), Remi Godin, Sorel, Que.

Canard, stm., 1 ton, 22 ft. (1896), P. J. B. Belanger, Ottawa, Ont.

Cape Blanc Boy, stm., 11 tons, 38 ft. (1881), E. Huot, Montreal, Que.

Capital, dredge, 178 tons, 79 ft. (1905), A. Marchildon et al., Three Rivers, Que.

Capitola (formerly Ramona) gas, 4 tons, 30 ft. (1904), R. W. Fawcett, Hamill's Pt., Muskoka, Ont.

Caponaning, stm., 18 tons, 41 ft. (1888), The Ontario Lumber Co. Ltd., Toronto, Ont.

Caprice, gas, 9 tons, 35 ft. (1903), A. C. Hardy, Brockville, Ont.

Captain Jim, stm., 58 tons, 78 ft. (1902), Dominion Fish Co. Ltd., Winnipeg, Man.

Cara R. (formerly Cara), stm., 23 tons, 58 ft. (1898), Geo. Rumpel, Berlin, Ont.

Cardinal, (formerly Mayflower), stm., 237 tons, 121 ft. (1875), A. A. Larocque, Montreal, Que.

Caribou, stm., 597 tons, 144 ft. (1904), Dominion Fish Co., Winnipeg. Man.

Carillon, stm., 41 tons, 57 ft. (1912), Minister of Railways & Canals, Ottawa, Ont.

Carlotta, stm., 114 tons, 87 ft. (1908), James Playfair, Midland, Ont.

Carmana, stm., 56 tons, 90 ft. (1889), T. S. Carman, Belleville.

Carmel, C., stm., 49 tons, 37 ft. (1900), William C. Kirtwell, Kingston, Ont.

Carmita, stm., 9 tons, 39 ft. (1901), Mrs. Eliza J. McClusky and George W. Leach, North Bay, Ont.

Carmilia, stm., 63 tons, 66 ft. (1902), Minister of Public Works, Ottawa.

Carne, Derry, stm., 3 tons, 15 ft. (1900), W. D. Morris, Ottawa.

Carolina, stm., 104 tons, 76 ft. (1897-1912), Louis Dugre, Three Rivers, Que.

Caroline, stm., 12 tons, 38 ft. (1900), Charles Martin, Midland.

Carrie L., stm., 16 tons, 50 ft. (1900), Sam Lounsbury, Bell City, Ont.

‡Cascapedia, stm., 1849 tons, 245 ft. (1895), Quebec S. S. Co. Ltd., Quebec, Que.

‡Caspian, paddle stm., 957 tons, 177 ft. (1846), Lake Ont. & Bay of Quinte Stbt. Co. Ltd., Kingston.

‡Castor, stm., 88 tons, 66 ft. (1907), Upper Ottawa Improvement Co. Ltd., Ottawa, Ont.

Cataract (formerly Myles) stm., 957 tons, 175 ft. (1882), Port Colborne & St. Lawrence Nav. Co. Ltd., Toronto, Ont.

Catharine C., stm., 19 tons, 48 ft. (1903), Minister of Public Works, Ottawa, Ont.

Catherine S., stm., 67 tons, 66 ft. (1896), John Short, Kenora, Ont.

‡Cayuga, stm., 2,196 tons, 305 ft. (1907), Niagara Nav. Co. Ltd., Toronto, Ont.

Cecile No. 4, stm., 138 tons, 85 ft. (unknown), Harbour Commissioners, Montreal, Que.

Celima, ferry, 7 tons, 56 ft. (1888), Jos. Gariepy, Riviere des Prairie, Que.

Celt, stm., 6 tons, 34 ft. (1900), Archibald Campbell, Midland, Ont.

Cemego, stm., 1 ton, 15 ft. (1903), Mrs. F. A. Price, Massanaga.

Central City, dge., 157 tons, 79 ft. (1905), Lyon Cohen, Montreal, Que.

Chaffey, stm., 42 tons, 59 ft. (1875), Alex. Le-Duc, St. Thomas, d'Alfred, Que.

Challenger, stm., 108 tons, 89 ft. (1886), Minister of Agriculture, Ottawa, Ont.

Chamberlain, C. W., stm., 385 tons, 127 ft. (1881), E. F. Burke, Midland, Ont.

Chambers, A., stm., 23 tons, 55 ft. (1888), John McCormick, Tp. of Pelee, Ont.

‡Champion, 482 tons, 143 ft. (1897), La Cie Maritime et Industrielle de Levis, Levis, Que.

Champion, paddle stm., 142 tons, 94 ft. (1868), Geo. Crandell, Lindsay.

Champion, stm., 42 tons, 69 ft. (1904), Montreal River Nav. Co. Ltd., Cobalt, Ont.

Montreal Sand & Gravel Co. Ltd., Montreal, Que.

Champlain, stm., 522 tons, 120 ft. (1904), Minister of Marine and Fisheries, Ottawa.

Chance, stm., 5 tons, 43 ft. (1895), O'Connor Steamboat Co., Toronto, Ont.

Charlemagne, stm., 76 tons, 87 ft. (1891), Charlemagne & Lac Ouareau Lumber Co. Ltd., Montreal, Que.

Charles F., stm., 8 tons, 31 ft. (1905), John Nichol, Port Bruce, Ont.

Charlie M., stm., 50 tons, 54 ft. (1897), The Muskoka Lakes Nav. & Hotel Co. Ltd., Toronto.

Charlotte, stm., 59 tons, 68 ft. (1870), Thos. Gauthier, Montreal, Que.

Charlton, stm., 389 tons, 135 ft. (1862), Victoria Harbor Lumber Co. Ltd., Victoria Harbor.

‡Chateauguay, stm., 222 tons, 134 ft. (1894), The Chateauguay & Beauharnois Nav. Co., Chateauguay Basin, Que.

Chatson, stm., 55 tons, 61 ft. (1911), Robt. Ross, Port Robinson, Ont.

‡Cherokee, stm., 328 tons, 120 ft. (1907), Muskoka Lakes Navigation & Hotel Co. Ltd., Toronto, Ont.

Chickadee, gas, 9 tons, 35 ft. (1909), Chas. G. Coristine, Montreal, Que.

Chicora, paddle stm., 931 tons, 221 ft. (1864), Niagara Nav. Co. Ltd., Toronto.

Chicoutimi (formerly Saguenay), paddle stm., 992 tons, 219 ft. (1891), Richelieu & Ont. Nav. Co., Montreal.

Chief, dr'ge., 269 tons, 80 ft. (1903), W. E. Phin, Welland, Ont.

Chieftain, stm., 40 tons, 52 ft. (1889), F. W. Coates, Fort Frances.

Child, R. F., stm., 5 tons, 35 ft. (——), H. D. Gamble, Toronto.

‡Chippewa, paddle stm., 1514 tons, 308 ft. (1893), Niagara Nav. Co. Ltd., Toronto.

Chippewa, sail, 1105 tons, 222 ft. (1890), Ontario & Quebec Navigation Co. Ltd., Picton, Ont.

Choctaw, stm., 53 tons, 75 ft. (1911), C. F. Stanton and P. L. Glover, Port Stanley, Ont.

†Christine, stm., 140 tons, 126 ft. (1881), John S. Thom, Quebec, Que.

Chummy, stm., 22 tons, 49 ft. (1905), William E. Beaton, Ottawa East, Ont.

Churchill, stm. (formerly Harrison), 150 tons, 110 ft. (1864), E. J. Harrison, Owen Sound, Ont.

Cingalee, stm., 59 tons, 65 ft. (1905), Minister of Public Works, Ottawa, Ont.

Cisco, stm., 42 tons, 72 ft. (1910), N. S. Cornell, Port Stanley, Ont.

City Dredge No. 2, 233 tons, 90 ft. (1906), Corporation of the City of Toronto, Ont.

City Dredge No. 3, 306 tons, 110 ft. (1908), Corporation of the City of Toronto, Ont.

City of Bala, stm., 74 tons, 76 ft. (1901), Anglo-Canadian Leather Co. Ltd., Huntsville, Ont.

City of Belleville, stm., 101 tons, 89 ft. (1878), Prescott & Ogdensburg Ferry Co. Ltd., Prescott, Ont.

City of Chatham, stm., 362 tons, 125 ft. (1888), St. Joe Isld. & Sault Line, Ltd., Sault Ste. Marie, Ont.

City of Dresden, stm., 194 tons, 93 ft. (1872), Chas. D. Shirley, Blenheim.

City of Hamilton (formerly Japan), stm., 1574 tons, 220 ft. (1871), Montreal & Lake Erie S. S. Co. Ltd., Toronto, Ont.

City of Haileybury, stm., 38 tons, 67 ft. (1908), Temaskaming Nav. Co. Ltd., Haileybury, Ont.

City of Ladysmith, paddle stm., 35 tons, 69 ft. (1900), Chas. Ross, Port Maitland.

City of London, stm., 516 tons, 120 ft. (1888 and 1892), Achille Bernier, Levis, Que.

City of Meaford, stm., 328 tons, 111 ft. (1906), J., F. and E. Perks, J. O., Meaford, Ont.

City of Midland, stm., 974 tons, 176 ft. (1890), Northern Nav. Co. Ltd., Collingwood.

‡City of Montreal (formerly China), stm., 1554 tons, 220 ft. (1871), Montreal & Lake Erie S. S. Co. Ltd., Toronto, Ont.

City of New York, stm., 292 tons, 136 ft. (1863), Murray Brown, Toronto, Ont.

‡City of Ottawa (formerly India), stm., 1,529 tons, 220 ft. (1871), Montreal & Lake Erie S. S. Co. Ltd., Toronto, Ont.

City of Toronto, paddle stm., 782 tons, 150 ft. (1895), Antoine Viau, Cornwall, Ont.

City of Windsor, stm. (see Michipicaten).

City Queen, stm., 69 tons, 70 ft. (1900), A. L. Nickerson and C. T. Nickerson, J. O., Midland, Ont.

Clam Shell, dge., 62 tons, 80 ft. (1887), F. B. McNamee, Montreal, Que.

Clara May, stm., 9 tons, 39 ft. (1902), Thos. B. Fitzpatrick, Meldrum Bay, Ont.

Clark, Alex., stm., 99 tons, 91 ft. (1911), R. S. Fisher, Collingwood, Ont.

Clark Bros., stm., 92 tons, 80 ft. (1890-1901), Lawrence Solman, Toronto, Ont.

Clark, Ivy, stm., 28 tons, 46 ft. (1907), C. W. Clark, Sturgeon Falls, Ont.

Clark, Minnie A., stm., 36 tons, 69 ft. (1903), Dominion Fish Co. Ltd., Winnipeg, Man.

‡Clark, T. J., stm., 75 tons, 69 ft. (1911), Clark Ltd., Toronto, Ont.

Clarke, Alfred (formerly Saugatuck) stm., 229 tons, 110 ft. (1887), Pelee & Lake Erie Nav. Co. Ltd., Pelee Isld., Ont.

‡Cleopatra, stm., 104 tons, 113 ft. (1893), A. E. Gooderham, Toronto, Ont.

Cliffside, stm., 68 tons, 70 ft. (1909), The Minister of Public Works, Ottawa, Ont.

‡Clipper, stm., 53 tons, 69 ft. (1897), C. G. Pennock et al., Kenora, Ont.

Clipper, stm., 46 tons, 62 ft. (1903), The Sable & Spanish Boom & Slide Co. of Algoma, Ltd., Spanish River, Ont.

Cluaran, gas, 8 tons, 34 ft. (1905), Mrs. Jannett T. Pitts, Montreal, Que.

Clucas, stm., 28 tons, 60 ft. (1882), Dominion Fish Co. Ltd., Winnipeg, Man.

Cole, C. W., stm., 16 tons, 49 ft. (1903), Claude W. Cole, Milford.

‡Collingwood, stm., 4,529 tons, 386 ft. (1907), Farrar Trans. Co. Ltd., Collingwood, Ont.

Collop, T. J., paddle stm., 63 tons, 58 ft. (1894), H. McMillan and J. Grimes, Sault Ste. Marie, Ont.

‡Colomb, stm., 559 tons, 120 ft. (1910), Levis Ferry, Ltd., Levis, Que.

Colonge, stm., 18 tons, 47 ft. (1901), Gillies Bros. Co. Ltd., Braeside, Ont.

Colonial, stm., 47 tons, 52 ft. (1906), Colonial Lumber Co. Ltd., Pembroke, Ont.

Comet, stm., 20 tons, 60 ft. (1887), The Rathbun Co., Deseronto.

Comet, stm., 8 tons, 45 ft. (1895), Josiah Ball, Fesserton.

Comfort (formerly Vera), stm., 14 tons, 43 ft. (1891), John D. MacDonald, Sarnia, Ont.

Commodore, stm., 3 tons, 36 ft. (1895), Colin McIntosh, Carleton Place, Ont.

Commodore, stm., 40 tons, 59 ft. (1885), Jos. Ganley, Sault Ste. Marie.

Commodore, paddle stm., 175 tons, 96 ft. (1867), Geo. Crandell, Lindsay.

Commodore Holiwell, stm., 10 tons, 31 ft. (1878), Sherbrooke Lumber Co., Sherbrooke, Que.

Commodore Jarvis, stm., 287 tons, 109 ft. (1903), Sand & Dredging Co. Ltd., Toronto.

Como, stm., 75 tons, 95 ft. (1875), La Ferriere Lumber Co. Ltd., Montreal, Que.

Congercoal, stm., 672 tons, 164 ft. (1882), Conger Lehigh Coal Co. Ltd., Toronto, Ont.

Constance, stm., 52 tons, 82 ft. (1898), J. L. Fenn et al., Bracebridge, Ont.

Contest, stm., 274 tons, 132 ft. (1872 and 1895), Julien Chabot, Levis, Que.

Coocoocache, gas, 1 ton, 23 ft. (1910), Jean A. Lafontaine, Grandes Piles, Que.

‡Contrecoeur, stm., 174 tons, 83 ft. (1910), Minister of Marine & Fisheries, Ottawa.

Cook, A. B., stm., 34 tons, 54 ft. (1885), Robert Weddell, Trenton, Ont.

Coquette, yt., 3 tons, 35 ft. (1892), Arthur Hamilton, Montreal, Que.

Cora, stm., 23 tons, 55 ft. (1902), J. B. Bowerman, Port Perry.

Cora, stm., 4 tons, 32 ft. (1887), Oliver B. Sheppard, Toronto.

Corrinne, stm., 23 tons, 48 ft. (1903), W. J. Poupore, Montreal, Que.

‡Cornwall, stm., 588 tons, 176 ft. (1874), The Calvin Co. Ltd., Garden Island, Ont.

‡Corona, paddle stm., 1274 tons, 270 ft. (1896), Niagara Nav. Co. Ltd., Toronto.

‡Corona, stm., 2408 tons, 299 ft. (1888), James Whalen, Port Arthur, Ont.

Corrella, stm., 4 tons, 30 ft. (1889), M. Kenville, Brockville.

Courier, stm., 12 tons, 36 ft. (1900), Harbor Com. of Montreal, Montreal, Que.

Craig, Annie, stm., 80 tons, 78 ft. (1879 and 1880), Eugene O'Keefe, Toronto.

‡Crawford, stm., 50 tons, 86 ft. (1905), W. M. Tyson, Wiarton, Ont.

Crane, Willard, bge., 155 tons, 110 ft. (1887), Riordan Paper Co. Ltd., Montreal, Que.

Crete, George, gas, 17 tons, 54 ft. (1905), G. Crete, Grandes Piles, Que.

Cross, A. D., stm., 47 tons, 49 ft. (1897), William E. Phin, Welland, Ont.

Cross, William, stm., 22 tons, 43 ft. (1897), L. R. Johnstone et al., Wabigoon, Ont.

Crow, D. W., stm., 31 tons, 63 ft. (1902), Norman Trotter, Little Current, Ont.

‡Crowe, G. R., stm., 2940 tons, 331 ft. (1907-1910), St. Lawrence & Chicago Steam Nav. Co. Ltd., Toronto, Ont.

Cruiser, stm., 86 tons, 87 ft. (1887), John B. Miller, Toronto, Ont.

Cruiser, stm., 27 tons, 39 ft. (1880 and 1898), Keewatin Lumber Co. Ltd., Keewatin, Ont.

Curlew, stm., 9 tons, 35 ft. (1895), H. A. Cartwright, Belleville.

Curlew, stm., 85 tons, 77 ft. (1896, 1903 and 1907), Great Lakes Dredging Co. Ltd., Port Arthur, Ont.

Curtis, H. C., stm., 36 tons, 52 ft. (1878), W. H. Davis, Ottawa.

Cuyler, Geo. W., stm., 56 tons, 64 ft. (1880), B. H. Turner, Little Current.

Cygnet, stm., 4 tons, 32 ft. (1904), G. R. Crowe, Winnipeg, Man.

Cynthia, stm., 35 tons, 60 ft. (1897), Dominion Fish Co. Ltd., Winnipeg, Man.

Cynthia (The), stm., 1 ton, 18 ft. (1900), F. Adams Briggs, Waterloo, Que.

D

D. and G., stm., 41 tons, 58 ft. (1909), George Jones, Port Maitland, Ont.

D5, dredge, 210 tons, 85 ft. (1897), Great Lakes Dredging Co. Ltd., Port Arthur, Ont.

Dack (formerly Dean), stm., 18 tons, 46 ft. (1898), W. & W. G. Black, Belleville, Ont.

Daisy, stm., 2 tons, 30 ft. (1890), Claude McLachlin, Arnprior, Ont.

Daisy, stm., 2 tons, 39 ft. (——), G. B. Magee, Merrickville, Ont.

Daisy, stm., 15 tons, 41 ft. (1893), Minister of Public Works, Ottawa.

‡Dalhousie City, stm., 1256 tons, 199 ft. (1911), Niagara, St. Catharines and Toronto Nav. Co., St. Catharines, Ont.

‡Dandy, stm., 77 tons, 72 ft. (1905), J. Lariviere, St. Anne de Bellevue, Que.

Dart, gas, 2 tons, 21 ft. (1904), Scott Hudson Building Co. Ltd., Kenora, Ont.

Dauntless, stm., 8 tons, 44 ft. (1884), S. C. MacDonald, Dunnville.

Dauntless, stm., 23 tons, 47 ft. (1906), I. & E. Smale, Port Bruce, Ont.

Davidson, Fred, stm., 43 tons, 62 ft. (1887), Chas. L. D. Sims, Little Current, Ont.

Davis, M. P., stm., 11 tons, 40 ft. (1879), Harbor Commissioners, Montreal, Que.

‡Davis, Wm., stm., 40 tons, 63 ft. (1897), Michael McAuliff et al., Welland, Ont.

Davitt, Michael, tug, 28 tons, 52 ft. (1885), Montreal General Contracting Co. Ltd., Montreal, Que.

Dawn, stm., 20 tons, 48 ft. (1888), S. Purser, Hall's Bridge, Ont.

Dawn, stm., 3 tons, 27 ft. (1900), Jos. Cooper, Bracebridge, Ont.

Day Star, stm., 13 tons, 34 ft. (1903), Foreign Mission Com. of Presbyterian Church, Kenora, Ont.

DeLos, stm., 1 ton, 16 ft. (1900), T. W. Whitely, Tombra, Ont.

Delia, stm., 4 tons, 32 ft. (1896), J. David, Carmanah, Ont.

Delilah C., gas, 23 tons, 56 ft. (1907), S. Carsley, Montreal, Que.

Delisle, stm., 46 tons, 62 ft. (1869), Minister of Public Works, Ottawa.

Delver No. 1, dge., 305 tons, 100 ft. (1908), Dominion Dredging Co. Ltd., Ottawa, Ont.

Denisa, stm., 38 tons, 55 ft. (1905), Cie Etienne Dussault, Levis, Que.

‡Denise S., stm., 54 tons, 54 ft. (1912), Sincennes-McNaughton Line, Ltd., Montreal, Que.

Derby, stm., 3 tons, 35 ft. (1897), Basil Tessier, Pembroke, Ont.

Derbyshire, Senator, stm., 1246 tons, 220 ft. (1897), Antoine Wendling, Brockville, Ont.

De St. Juste, stm., 5 tons, 37 ft. (1893), Jean Baptiste E. Lettellier, Quebec, Que.

Dey, D. P., stm., 11 tons, 35 ft. (1866), Lyon Cohen, Montreal, Que.

Diane, stm., 23 tons, 65 ft. (1891), H. Beauchemin, Sorel, Que.

Dick, stm., 42 tons, 71 ft. (1906), Price Bros. & Co. Ltd., Quebec, Que.

Dickson, paddle stm., 16 tons, 28 ft. (1890), The Dickson Co. Ltd., Peterborough, Ont.

Diver, stm., 86 tons, 72 ft. (1869), Pierre Begin, Quebec, Que.

Diver, J. M., stm., 48 tons, 67 ft. (1904), Reid Wrecking Co. Ltd., Sarnia, Ont.

Dobson, R. H., stm., 44 tons, 75 ft. (1902), Dobson & McLeod, Southampton.

Dolce, stm., 5 tons, 42 ft. (1894), J. W. Church, Gananoque, Ont.

Dolphin, stm., 70 tons, 74 ft. (1881), Ottawa Transportation Co. Ltd., Ottawa.

Dolphin, stm., 24 tons, 49 ft. (——), J. Playfair et al., Midland, Ont.

Dolphin, stm., 13 tons, 50 ft. (1871), Savanagh Lumber Co. Ltd., Penetanguishene.

Dolphin, stm., 6 tons, 37 ft. (1887), John T. Nicholson, Montreal, Que.

Dolphin, gas, 2 tons, 24 ft. (1906), George M. Henry, Gregory, Muskoka.

Dolphin E., stm., 6 tons, 36 ft. (1901), Miss Minnie McVicar, Paris.

Dominion, dge., 951 tons, 114 ft. (1905), Great Lakes Dredging Co., Port Arthur, Ont.

Dominion, paddle stm., 46 tons, 79 ft. (1884), Francis Burke, Lindsay.

Dominion Park No. 1, gas, 2 tons, 25 ft. (1910), A. A. Cherrier, Montreal, Que.

Donald, stm., 10 tons, 36 ft. (1907), John Thompson, South Bay, Ont.

Don de Dieu, gas, 3 tons, 31 ft. (1907), Jean A. Chapdelaine, Sorel, Que.

‡Donnacona, stm., 1906 tons, 245 ft. (1900), "Donnacona," Ltd., Hamilton, Ont.

Donnelly (formerly Eurydice & Hastings), paddle stm., 319 tons, 142 ft. (1863), Donnelly Salvage & Wkg. Co. Ltd., Kingston.

Doone, Lorna, stm., 5 tons, 36 ft. (1893), W. H. Edwards, Bracondale, Ont.

Dora, stm., 48 tons, 61 ft. (1889), Minister of Public Works, Ottawa.

Dorcas, stm., 3 tons, 31 ft. (1897), Dr. W. F. Jackson, Brockville, Ont.

Doric (formerly Tadousac), stm., 2359 tons, 260 ft. (1903), Northern Nav. Co. Ltd., Toronto, Ont.

Dorothe, stm., 8 tons, 33 ft. (1900), W. F. Thomson, Rose Point.

Dorothy, gas, 5 tons, 35 ft. (1906), John M. and Herbert Wallace, Cobalt, Ont.

Dorothy, stm., 12 tons, 48 ft. (1903), R. Booth et al., Pembroke, Ont.

Dorothy J., stm., 10 tons, 34 ft. (1907), J. F. Crawford et al., Haldimand, Ont.

Dorothy May, stm., 55 tons, 53 ft. (1912), Wm. Hand, Port Dalhousie, Ont.

Dortha (see Ramona).

Dotken, gas, 3 tons, 24 ft. (1907), C. B. Routley, Peterboro, Ont.

Dottie, stm., 1 ton, 25 ft. (1888), Mrs. Jeannie F. Ferguson, North Bay.

Douglas H., stm., 54 tons, 73 ft. (1912), R. H. Long, Port Stanley, Ont.

Downey, Robert, stm., 37 tons, 58 ft. (1893), Chas. S. Boone, Toronto, Ont.

Doyle, Tim, stm., 15 tons, 41 ft. (1874-1894), Lyon Cohen, Montreal, Que.

Dragon Rogue, dge., 203 tons, 86 ft. (1908), John E. Russell, Toronto, Ont.

Dream, stm., 12 tons, 50 ft. (1886), The Minister of Customs, Ottawa.

Drummond Belle, stm., 30 tons, 56 ft. (1894), Mrs. Arabella D. Drummond, Radnor Forges, Que.

‡Drummond, Thos. J., stm., 2201 tons, 247 ft. (1910), Algona Central & H. B. Ry., Sault Ste. Marie, Ont.

Dryden, Bell, stm., 15 tons, 35 ft. (1903), D. Cummings, Dryden, Ont.

DuSault, gas, 3 tons, 34 ft. (1906), A. Dussault, Varennes, Que.

‡Duchess of York, stm., 490 tons, 156 ft. (1895), King Edward Park Co., Montreal, Que.

Dudley, Joe, stm., 52 tons, 70 ft. (1865), Great Lakes Dredging Co. Ltd., Port Arthur, Ont.

Duke of York, dredge, 144 tons, 74 ft. (1903), W. J. Poupore, Montreal, Que.

Dunbar, C. F., stm., 33 tons, 47 ft. (1871), James Prendergast, Cornwall.

Dundaff, stm., 2 tons, 30 ft. (1899), P. Waters, Hull, Que.

†Dundee, stm., 2278 tons, 250 ft. (1906), Dundee S. S. Co. Ltd., Hamilton, Ont.

Dundurn (formerly Pere Marquette) stm., 1120 tons, 190 ft. (1882), Hamilton & Montreal Nav. Co. Ltd., Hamilton, Ont.

‡Dupre, F., stm., 114 tons, 73 ft. (1904), Sincennes-McNaughton Line, Ltd., Montreal, Que.

Dyment, N., stm., 59 tons, 73 ft. (1900), A. G. Knowles, Sault Ste. Marie, Ont.

E

Eagle, stm., 12 tons, 32 ft. (1905), Dominion Fish Co. Ltd., Winnipeg, Man.

E. B. No. 1, dredge, 139 tons, 67 ft. (——), V. T. Bartram, Toronto, Ont.

Eagle, stm., 10 tons, 34 ft. (1898), James Moreau, Port Severn.

East Side, stm., 50 tons, 76 ft. (1912), Clair Thorn, et al., Port Stanley, Ont.

Echo, stm., 5 tons, 27 ft. (1901), John S. M. Alexander, Peterborough.

Eddie B., stm., 9 tons, 29 ft. (1902), David Baker, Midland.

Eddy, C. F., stm., 16 tons, 45 ft. (1902), Mrs. E. J. Kennedy, Garden River, Ont.

Eddy Lulu, stm., 29 tons, 51 ft. (1888), C. S. Boone Dredging & Construction Co. Ltd., Toronto, Ont.

Edith Ann, stm., 11 tons, 43 ft. (1903), John Davis, Kingston.

Edmond, stm., 39 tons, 56 ft. (1879), B. Tett, Bedford Mills.

Edna, stm., 55 tons, 64 ft. (1898), Mrs. Carrie E. Pratt, Parry Sound.

Edna K., stm., 22 tons, 48 ft. (1903), Roy Grabell, Port Colborne, Ont.

Edward Alfred, stm., 139 tons, 85 ft. (1910), La Cie General du Port de Chicoutimi, Que.

Edwards Bros., No. 2 dredge, 237 tons, 70 ft. (1896), Soo Dredging & Construction Co. Ltd., Sault Ste. Marie, Ont.

Edwards Bros., No. 3, dge., 202 tons, 63 ft. (1902), Soo Dredging & Construction Co. Ltd., Sault Ste. Marie, Ont.

Egan, Wiley M., stm., 1733 tons, 253 ft. (1887), Ontario & Quebec Nav. Co. Ltd., Picton, Ont.

‡Eileen, stm., 11 tons, 41 ft. (1893), Mrs. Stella Ann Kelly, Montreal, Que.

Eleanor, stm., 26 tons, 56 ft. (1895), Frank Ross, Port Maitland, Ont.

Electric, stm., 49 tons, 69 ft. (1887), John J. Wright, Toronto.

Elevator Dredge Premier, sail, 177 tons, 86 ft. (1905), Harbour Commissioners, Montreal, Que.

Elgin E., stm., 66 tons, 75 ft. (1908), Clare Thorn, Port Stanley, Ont.

Elite, paddle stmr., 22 tons, 60 ft. (1894), F. T. James Co. Ltd., Toronto, Ont.

Ella M., dge., 384 tons, 101 ft. (1904), M. J. Hogan, Montreal, Que.

Ella Mary, stm., 42 tons, 66 ft. (1910), Polson Iron Works, Ltd., Toronto, Ont.

Ella, stm., 2 tons, 22 ft. (1900), Pierre A. Guay, Chicoutimi, Que.

Ella, stm., 15 tons, 49 ft. (1898), J. A. Dease & F. H. Pearsall, Port Rowan, Ont.

Ella C., stm., 9 tons, 37 ft. (1906), The Minister of Public Works for the Province of Ontario, Toronto, Ont.

Else, J. C., paddle stmr., 33 tons, 44 ft. (1893), Georgian Bay Lumber Co., Ltd., Waubaushene.

Elsie, stm., 48 tons, 69 ft. (1906), Clark, Ltd., Toronto, Ont.

Elsie, stm., 7 tons, 37 ft. (1904), N. A. Beach, Georgeville, Que.

Elsie M., stm., 28 tons, 54 ft. (1908), Donald McInnes, Meaford, Ont.

Emerald, (formerly Garnet), stm., 385 tons, 140 ft. (1903), J. U. Bedard, Valleyfield, Que.

‡Emerson, stm., 276 tons, 108 ft. (1903), Montreal Transp. Co., Ltd., Montreal, Que.

Emerson, George, stm., 32 tons, 61 ft. (1888), Thomas Ganley, Sault Ste. Marie, Ont.

Emerson, W. J., stm., 28 tons, 66 ft. (1900), Alexander McKay, Port Arthur, Ont.

Emile, stm., 12 tons, 50 ft. (1892), L. E. Dufresne, Three Rivers, Que.

Emily May, stm., 30 tons, 59 ft. (1906), M. McInnes, Meaford, Ont.

Emma, stm., 2 tons, 28 ft. (1897), W. O. Spearman, Ottawa.

Emma G., stm., 29 tons, 39 ft. (1900), Gilmour & Hughson, Ltd., Ottawa, Ont.

Emma L. (formerly D. S. Walker) stm., 56 tons, 68 ft. (1903), Sincennes McNaughton Line, Ltd., Montreal, Que.

Emma Mac, stm., 57 tons, 78 ft. (1910), John Lumsden, Ottawa, Ont.

‡Emperor, stm., 7031 tons, 525 ft. (1910), Inland Lines Ltd., Midland, Ont.

Empress, stm., 678 tons, 185 ft. (1873-1886), Central Ry. Co. of Canada, Montreal, Que.

Empress, stm., 36 tons, 63 ft. (1891), French River & Nipissing Nav. Co., Sturgeon Falls, Ont.

Empress, stm., 84 tons, 93 ft. (1899), Trent Valley Nav. Co., Bobcaygeon.

Empress Victoria, stm., 106 tons, 76 ft. (1894), Huntsville, Lake of Bays & Lake Simcoe Nav. Co., Ltd., Huntsville, Ont.

Endress, Bertha, stm., 32 tons, 42 ft. (1876), H. A. Duncan, Sault Ste. Marie.

Energy, stm., 116 tons, 81 ft. (1883), J. Hackett, Amherstburg.

Eno, stm., 7 tons, 32 ft. (1906), Chas. O. Clark, Montreal, Que.

Enterprise, stm., 148 tons, 81 ft. (1869), Huntsville, Lake of Bays and Lake Simcoe Nav. Co., Huntsville, Ont.

Enterprise, stm., 18 tons, 58 ft. (1892), Levi Young, Port Bruce.

Enterprise, stm., 13 tons, 48 ft. (1893), W. J. Poupore, Montreal, Que.

Equal Rights, stm., 14 tons, 42 ft. (1909), F. W. Kemp, Franklin, Muskoka, Ont.

Eric, stm., 3 tons, 30 ft. (1902), F. F. Millar, Napanee, Ont.

Erie, stm., 2 tons, 18 ft. (1902), Mrs. Edna R. Price, St. Catharines.

Erin, stm., 14 tons, 33 ft. (1905), Rat Portage Lumber Co. Ltd., St. Boniface, Man.

Erl King, stm., 46 tons, 52 ft. (1909), Wm. Newman, Toronto, Ont.

Ernice, stm., 9 tons, 34 ft. (——), J. D. Aylmer, Peterboro, Ont.

Escort, stm., 40 tons, 44 ft. (1894), The Welland Canal Tug Co., Ltd., Port Colborne.

Escoumains, stm., 74 tons, 76 ft. (1907), Joseph A. Mercier, Les Escoumains, Saguenay Co., Que.

‡Espanola, stm., 7 tons, 36 ft. (1897), Spanish River Paper & Pulp Co., Ltd., Toronto.

Estelle, stm., 8 tons, 31 ft. (1887), Chas. H. Grylls, Lakefield.

Esturian, paddle stmr., 139 tons, 94 ft. (1897), The Trent Valley Nav. Co., Bobcaygeon.

Esturion, paddle stmr., 118 tons, 96 ft. (1884), The Trent Valley Nav. Co., Bobcaygeon.

Ethel, stm., 13 tons, 42 ft. (1887), Henry Sims, Sudbury, Ont.

Ethel, stm., 72 tons, 64 ft. (1895), Sincennes McNaughton Line, Ltd., Montreal, Que.

Ethel, stm., 10 tons, 39 ft. (1896), Cameron Islands Mining & Development Co., Ltd., Kenora, Ont.

Ethel May, stm., 13 tons, 46 ft. (1897), John Fleming, Mortimer's Point.

Etoile, stm., 560 tons, 142 ft. (1879), Ferdinand Boisvert, Ste. Croix, Que.

Etta, stm., 13 tons, 40 ft. (1906), N. E. Picotte, Montreal, Que.

Eu Jennie, stm., 22 tons, 52 ft. (1905), John Lapointe, Spanish River, Ont.

Euphemia, stm., 29 tons, 47 ft. (1903), M. P. & J. T. Davis, Ottawa, Ont.

‡Eureka, stm., 170 tons, 94 ft. (1893), The Minister of Marine and Fisheries, Ottawa.

Eva, stm., 3 tons, 28 ft. (1906), Francis Blake, Barriefield, Ont.

Eva, stm., 21 tons, 55 ft. (1891-1902), Jos. Nadon, Montebello, Que.

Eva Belle, stm., 10 tons, 39 ft. (1892), The Commissioner of Fisheries, Toronto, Ont.

Evelyn, stm., 32 tons, 61 ft. (1893), Dominion Fish Co., Winnipeg, Man.

Evelyn, stm., 85 tons, 67 ft. (1892), French River Tug Co., Windsor.

Evelyn, stm., 4 tons, 30 ft. (1906), J. Blewett, Lakefield, Ont.

Everard, stm., 25 tons, 51 ft. (1900), M. Graham, Kagawong.

Excelsior, dredge, 372 tons, 100 ft. (1906), Canadian Dredging Co. Ltd., Durham, Ont.

Express, stm., 4 tons, 35 ft. (1887), John B. Bowerman, Port Perry.

F

Fabiola, stm., 81 tons, 70 ft. (1893), Andrew Nickle, Montreal, Que.

Fairfax, stm., 1424 tons, 209 ft. (1890), Ontario & Quebec Nav. Co. Ltd., Picton, Ont.

‡Fairmount, stm., 1895 tons, 248 ft. (1903), Montreal Transportation Co., Ltd., Montreal, Que.

Falcon, stm., 13 tons, 40 ft. (1874), J. G. Richardson, Brockville.

Fashion, stm., 43 tons, 60 ft. (1893), Minister of Public Works, Ottawa, Ont.

Fast, gas, 58 tons, 81 ft. (1909), The Minister of Public Works, Ottawa, Ont.

F. N. & B., pa. stm., 12 tons, 28 ft. (1911), F. E. Clark, Sturgeon Falls, Ont.

Fay, stm., 7 tons, 37 ft. (1904), E. T. Edwards, et al., Ottawa, Ont.

F. E. C., stm., 22 tons, 37 ft. (1907), F. E. Clark, Sturgeon Falls, Ont.

Fearless, stm., 46 tons, 56 ft. (1886), Mrs. Sarah M. Carman, Iroquois, Ont.

Ferdinand, stm., 76 tons, 87 ft. (1905), F. Fecteau, St. Antoine, Que.

Ferguson, A., stm., 35 tons, 42 ft. (1909), J. R. Booth, Ottawa, Ont.

Fern, stm., 2 tons, 22 ft. (1895), T. Magnan, St. Thecle, Que.

Fida, stm., 2 tons, 24 ft. (——), Ben Almos, Jackfish, Ont.

Fidelia, stm., 9 tons, 38 ft. (1897), A. W. Blackford, Toronto, Ont.

‡Fischer, S. M., stm., 628 tons, 140 ft. (1896), Reid Wrecking Co., Sarnia, Ont.

Fisk, Edward, stm., 73 tons, 70 ft. (1883 and 1909), Can. Towing & Wrecking Co., Ltd., Port Arthur, Ont.

Five Roses, stm., 43 tons, 54 ft. (1902), Edward Connors, Rainy River, Ont.

Fleetwing, stm., 7 tons, 30 ft. (1905), W. McMaster, Amherst Island, Ont.

Fleure de Mai, stm., 7 tons, 34 ft. (1891), Isaac Larocque, Sturgeon Falls, Ont.

Florence, stm., 113 tons, 91 ft. (1885), The Quebec Trans. & Forwarding Co., Ltd., Quebec, Que.

Florence, stm., 133 tons, 91 ft. (1883), W. Robidoux, Yamaska, Que.

Florence, stm., 3 tons, 28 ft. (1894), John Milling, Fredericksburg.

Florence, stm., 62 tons, 81 ft. (1881), The Ottawa Transportation Co., Ltd., Ottawa.

Florence, stm., 40 tons, 74 ft. (1889), Canada Lumber Co., Carleton Place, Ont.

Florence, stm., 27 tons, 54 ft. (1884), Lorenzo McKenny, Huntsville.

Florence, stm., 18 tons, 51 ft. (1892), Jas. MacLaren Co. Ltd., Buckingham, Que.

Florence, gas, 3 tons, 35 ft. (1905), R. C. Smith, Montreal, Que.

Florence, stm., 7 tons, 48 ft. (1901), E. P. Ainsworth, Brighton, Ont.

‡Florence (formerly Emeline), stm., 237 tons, 144 ft. (1903), John C. Eaton, Toronto, Ont.

Florence M., stm., 8 tons, 44 ft. (1897), J. McDonald, Sault Ste. Marie, Ont.

Florissant, stm., 3 tons, 30 ft. (1891), Rutherford Cumming, Toronto, Ont.

Flyer, stm., 4 tons, 39 ft. (1892), John Rogers, Port Sandfield.

Foam, stm., 16 tons, 42 ft. (1900), John S. Thom, Quebec, Que.

Foederis, Arca, sail, 46 tons, 66 ft. (1896), Germainne Marcotte, Leclercville, Que.

Forest B. (formerly Brandon & Edna Brydges), stm., 88 tons, 75 ft. (1895-1910), Rat Portage Lumber Co., Ltd., St. Boniface, Man.

Forrest, stm., 26 tons, 58 ft. (1887), B. J. Kaine, Quebec, Que.

Forrest, W. L., stm., 84 tons, 68 ft. (1912), Wm. Bermingham, Kingston, Ont.

Forward, Jessie, stm., 6 tons, 36 ft. (1896), J. F. Walsh, Napanee.

Foster, R. R., stm., 135 tons, 105 ft. (1912), Rideau Canal Supply Co. Ltd., Ottawa, Ont.

Foster, Stanley, 56 tons, 77 ft. (1912), N. S. Cornell, Port Stanley, Ont.

Fox, William G., stm., 39 tons, 61 ft. (1875), Randolph Macdonald Co. Ltd., Toronto, Ont.

Frances W., stm., 43 tons, 59 ft. (1908), Canadian Dredging Co., Ltd., Durham, Ont.

Francis, W. C., stm., 38 tons, 64 ft. (1873), Wm. Bermingham, Kingston, Ont.

Francois C., stm., 126 tons, 86 ft. (1909), Francois Crepeau, Sorel, Que.

Frank, stm., 16 tons, 40 ft. (1900), Laurin & Leitch, Montreal, Que.

Frank L., stm., 46 tons, 68 ft. (1905), William H. Oldfield, Parry Sound, Ont.

Frankie, stm., 24 tons, 41 ft. (1888), John Lee, Sr., Wallaceburg.

Frankie H., stm., 17 tons, 45 ft. (1903), Michael J. Hackett, Quebec, Que.

‡Fraser, Alexander, stm., 320 tons, 140 ft. (1890), Upper Ottawa Improvement Co., Ottawa, Ont.

Fraser, B. M., stm., 50 tons, 69 ft. (1900), J. Ganley, Sault Ste. Marie, Ont.

Fraser, John, stm., 6 tons, 31 ft. (1905), John Fraser, Parry Sound, Ont.

‡Fraserville, stm., 51 tons, 60 ft. (1904), D. Fraser, et al., Cabano, Que.

Fred, stm., 24 tons, 48 ft. (1899), Sincennes McNaughton Line, Ltd., Montreal, Que.

Freddie, stm., 5 tons, 28 ft. (1897), F. V. Rodgers, Richards Landing.

Frolic, stm., 16 tons, 47 ft. (1890), Octave Mausette, Grand Mere, Que.

‡Frontenac, stm., 304 tons, 119 ft. (1899), La Compagnie Maritime et Industrielle de Levis, Levis, Que.

Frontenac, stm., 111 tons, 89 ft. (1901), The Calvin Co., Ltd., Garden Island.

Frontenac, stm., 8 tons, 34 ft. (1903), Upper Ottawa Improvement Co. Ltd., Ottawa, Ont.

Frontier (formerly Argyle) paddle stm., 700 tons, 185 ft. (1899), Argyle S. S. Co. Ltd., Toronto, Ont.

Frost, E. E., stm., 13 tons, 38 ft. (1885), Fallon Brothers, Cornwall, Ont.

Fulton, E. A. (formerly A. Boody), sail, 288 tons, 137 ft. (1863), Reid Wrecking Co. Ltd., Sarnia, Ont.

‡Fundy, dredge, 597 tons, 120 ft. (1909), Dominion Dredging Co. Ltd., Ottawa, Ont.

G

G. Whiz, stm., 55 tons, 73 ft. (1911), N. E. Bennett, Hamlet, Ont.

Gabriel de St. Nicholas, sail, 21 tons, 46 ft. (1903), Leander Bouchard, Portneuf, Que.

Gadabout, stm., 3 tons, 30 ft. (1895), C. R. Hosmer, Montreal, Que.

Gadfly, stm., 2 tons, 27 ft. (1898), James Bryce Alan, Montreal, Que.

Gaetan, stm., 15 tons, 35 ft. (1909), Geo. Dansereau, Grenville, Que.

Galatia, stm., 46 tons, 60 ft. (1898), John T. Lepage, Wabigoon, Ont.

Gale, stm., 3 tons, 22 ft. (——), Foley Mines Co., Ltd., Mine Centre, Ont.

Gale, Charlie (formerly Active) stm., 34 tons, 54 ft. (1904), John Fraser, Amherstburg, Ont.

Gambler, gas, 26 tons, 54 ft. (1909), H. W. Ansley, Port Dover, Ont.

Gamma, gas, 2 tons, 23 ft. (1906), John A. Johnstone, Ignace, Ont.

‡Garden City, paddle stm., 637 tons, 177 ft. (1892), Niagara, St. Catharines & Toronto Nav. Co., Ltd., Toronto.

Gargantua (formerly D. C. Whitney), stm., 1,490 tons, 240 ft. (1882), Midland Towing & Wrecking Co. Ltd., Midland, Ont.

Garnet, stm., 19 tons, 53 ft. (1889), James P. MacDonald, Missasaga Island.

Garnet, bge., 154 tons, 109 ft. (1882), Dickson Anderson, Montreal, Que.

Gaskin, John, bge., 487 tons, 166 ft. (1881), Montreal Transp. Co., Ltd., Montreal, Que.

Gaspesian, stm., 490 tons, 160 ft. (1874), Honore Blouin, Quebec, Que.

Gaudiose, stm., 5 tons, 27 ft. (1911), Lake Megantic Pulp Co. Ltd., Lake Megantic, Que.

Gauthier, Harold, stm., 9 tons, 36 ft. (1888), O. E. Fleming, Windsor.

Geary, G. R., stm., 199 tons, 62 ft. (1912), Corporation of the City of Toronto, Ont.

Geisha, stm., 20 tons, 50 ft. (1900), John Hendry, Toronto.

Gem, stm., 27 tons, 51 ft. (1897), A. S. Smith, Stephenson Twp. Muskoka, Ont.

General Meade, dge., 244 tons, 72 ft. (——), C. S. Boone, Toronto, Ont.

Gen. Weitzel, stm., 32 tons, 57 ft. (1881), Mrs. F. A. Shipman, Richards Landing, Ont.

Geneva, stm., 92 tons, 80 ft. (1905), William Thompson, Orillia, Ont.

George H., stm., 4 tons, 31 ft. (1886), Mrs. George A. Hammond, Kingston, Ont.

George P., stm., 7 tons, 31 ft. (1905), C. J. Reilly, Brockville, Ont.

Georgina, stm., 44 tons, 74 ft. (1893), Samuel Forrest, Fort William, Ont.

Gerald, R., stm., 51 tons, 56 ft. (1910), M. J. Haney, Toronto, Ont.

Geraldine, stm., 65 tons, 66 ft. (1893), J. Galna, Parry Sound, Ont.

German, W. M., stm., 28 tons, 58 ft. (1888), H. W. Ansley, Port Dover.

Germanic, stm., 1014 tons, 184 ft. (1899), Northern Nav. Co., Ltd., Collingwood.

‡Geronia, stm., 2105 tons, 219 ft. (1911), Ontario & Quebec Nav. Co. Ltd., Picton, Ont.

Gertie (formerly Champion), stm., 21 tons, 51 ft. (1873-1900), Jas. Pendergast, Cornwall, Ont.

Gertie, stm., 53 tons, 58 ft. (1903), Samuel Forrest, Ft. William, Ont.

Gertrude, stm., 3 tons, 27 ft. (1895), P. F. Nolan, Brockville.

Geyser, stm., 47 tons, 60 ft. (1889), C. S. Boone, Toronto, Ont.

Gilbert, stm., 41 tons, 72 ft. (1884), Haney & Miller, Toronto, Ont.

Gipsy, stm., 35 tons, 51 ft. (1906), F. W. Hendry, et al., Toronto, Ont.

Glacial, stm., 109 tons, 103 ft. (1885), Corporation of the City of Three Rivers, Que.

Glad Tidings, stm., 10 tons, 42 ft. (1902), Muskoka Wood Mfg. Co., Ltd., Huntsville, Ont.

Glenada, stm., 65 tons, 69 ft. (1904), A. A. Agar, Burks Falls, Ont.

‡Glenallan, stm., 276 tons, 112 ft. (1912), Ottawa Trans. Co. Ltd., Ottawa, Ont.

‡Glenellah, stm., 2272 tons, 250 ft. (1905), Union S. S. Co., Ltd., Hamilton, Ont.

Glengarry, stm., 509 tons, 170 ft. (1872-1886), Henry W. Richardson, Kingston, Ont.

‡Glenmount, stm., 1957 tons, 249 ft. (1907), Montreal Trans. Co., Ltd., Montreal, Que.

Glenora, stm., 17 tons, 45 ft. (1900), H. W. Saxton, Bayham.

Glen Erie, stm., 43 tons, 60 ft. (1909), John Howe, et al., Port Stanley, Ont.

Glen Isle (formerly Welshman), stm., 156 tons, 108 ft. (1900 & 1911), Rideau Canal Supply Co. Ltd., Ottawa, Ont.

Glen Villa, stm., 8 tons, 36 ft. (1906), G. A. Le Baron, North Hatley, Que.

Glide, stm., 78 tons, 74 ft. (1866), Montreal Transp. Co., Ltd., Montreal, Que.

Glide, stm., 80 tons, 72 ft. (1884), Wm. Lawlor, Hawkesbury, Ont.

Glympse, stm., 9 tons, 38 ft. (1908), Francis Stanton and A. F. Stanton, Sparrow Lake, Ont.

Glyn, stm., 20 tons, 47 ft. (1900), J. J. Noble et al., Little Current, Ont.

Goderich, dredge, 259 tons, 82 ft. (1911), Wm. Marlton, Goderich, Ont.

Gooding, stm. pa., 10 tons, 29 ft. (1904), F. E. Clark, Sturgeon Falls, Ont.

Golden City, stm., 35 tons, 57 ft. (1873), V. T. Bartram, Toronto, Ont.

Go Now, gas, 1 ton, 22 ft. (1904), Geo. H. Funnell, Gananoque, Ont.

Goodwin, Joe, stm., 38 tons, 48 ft. (1912), Jos. Goodwin, Toronto, Ont.

Gorden, stm., 7 tons, 28 ft. (1904), J. Harty, Fort Frances, Ont.

Gorman, Pete, stm., 64 tons, 76 ft. (1892), Great Lakes Dredging Co. Ltd., Port Arthur, Ont.

Gossoon, stm., 15 tons, 38 ft. (1888), Michael J. Hogan, Quebec, Que.

Gowganda, stm., 25 tons, 46 ft. (1907), F. E. Clark, Sturgeon Falls, Ont.

Gowanda, gas, 5 tons, 35 ft. (1907), Norman Trotter, Little Current, Ont.

Grabell, S. B., stm., 40 tons, 61 ft. (1912), S. B. Grabell, Burnaby, Ont.

Grace, stm., 4 tons, 29 ft. (1899), Robert Rowley, Lake Edward, Que.

Grace M., stm., 61 tons, 68 ft. (1905), C. Mickle, et al., Gravenhurst, Ont.

Gracie, pa. stm., 11 tons, 42 ft. (1894), Robert Smith, Cornwall, Ont.

Gracie, stm., 41 tons, 72 ft. (1904), John Maloney, Port Arthur, Ont.

Gracie B., stm., 20 tons, 41 ft. (1904), Camp Bay Gold Mining Co., Kenora, Ont.

Graham, Geo. A. (formerly Marina), stm., 2410 tons, 310 ft. (1891), Canadian North West S. S. Co. Ltd., Port Arthur, Ont.

Grande Ligne, stm., 70 tons, 67 ft. (1907), Francis Lemoine, Montreal, Que.

Grandes Piles, gas pa., 18 tons, 59 ft. (1904), A. Mongrain, St. Severn, Que.

‡Gravel, J. O., stm., 197 tons, 94 ft. (1909), Sincennes-McNaughton Line, Ltd., Montreal, Que.

Gravenhurst, stm., 29 tons, 52 ft. (1902), A. A. Agar, Burks Falls, Ont.

Gray, Dolly, stm., 5 tons, 35 ft. (1900), Wm. Howard, Baysville.

Great Western, paddle stmr., 1080 tons, 220 ft. (1866), Grand Trunk Ry. Co., Montreal, Que.

Grebe, stm., 9 tons, 38 ft. (1904), J. Seagel, Port Arthur, Ont.

‡Greene, G. B., stm., 255 tons, 142 ft. (1896), Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.

Greyhound, stm., 37 tons, 59 ft. (1894), Edward Elliott, Lindsay, Ont.

Grosbeak, stm., 14 tons, 39 ft. (1911), Randolph Macdonald Co. Ltd., Toronto, Ont.

Gypsy, stm., 11 tons, 39 ft. (1902), Collins Inlet Lumber Co., Ltd., Toronto, Ont.

H

H. C. M. No. 1, stm., 135 tons, 84 ft. (1868), Harbour Commissioners of Montreal, Montreal, Que.

H. C. M. No. 2, stm., 177 tons, 86 ft. (1864), Harbour Commissioners of Montreal, Montreal, Que.

‡H. C. M. No. 5, dredge, 498 tons, 104 ft. (1910), Harbour Commissioners of Montreal, Montreal, Que.

H. C. M. No. 6, stm., 168 tons, 84 ft. (1873), Harbour Commissioners of Montreal, Montreal, Que.

H. C. M. No. 7, stm., 173 tons, 83 ft. (1872), Harbour Commissioners of Montreal, Montreal, Que.

H. C. M. No. 9, stm., 170 tons, 84 ft. (1873), Harbour Commissioners of Montreal, Montreal, Que.

H. C. M. No. 10, stm., 172 tons, 92 ft. (1875), Harbour Commissioners of Montreal, Montreal, Que.

H. C. M. No. 14, stm., 190 tons, 86 ft. (1881), Harbour Commissioners of Montreal, Montreal, Que.

H. C. M. No. 15, stm., 205 tons, 85 ft. (1899), Harbour Commissioners of Montreal, Montreal, Que.

H. C. M. No. 16, stm., 205 tons, 85 ft. (1899), Harbour Commissioners of Montreal, Montreal, Que.

H. C. M. No. 17, stm., 210 tons, 84 ft. (1904), Harbour Commissioners of Montreal, Montreal, Que.

H. C. M. No. 18, stm., 210 tons, 84 ft. (1904), Harbour Commissioners of Montreal, Montreal, Que.

Hackett, J. H., stm., 117 tons, 88 ft. (1901), Quebec Transp. & Forwarding Co., Ltd., Quebec, Que.

Hackett, M. E., 78 tons, 70 ft. (1894), Wm. Hackett, Quebec, Que.

‡Haddington, stm., 1603 tons, 256 ft. (1904), Mathews S. S. Co., Ltd., Toronto, Ont.

Haggart, John, stm., 184 tons, 99 ft. (1887), T. C. Sims, Little Current, Ont.

Halcro, stm., 8 tons, 34 ft. (1889), H. Hailstone, Carling, Ont.

Halcro II, (formerly Mineta) stm., 11 tons, 51 ft. (1905), Sir John A. Boyd, Toronto, Ont.

Hale, Lorne, stm., 22 tons, 37 ft. (1893), J. J. McFadden, Sault Ste. Marie, Ont.

Hall, stm., 247 tons, 102 ft. (1889), The Ottawa Transportation Co., Ltd., Ottawa, Ont.

Hall, Bob, 27 tons, 49 ft. (1907), Minister of Railways and Canals, Ottawa, Ont.

Hall No. 1, Edmund, dredge, 246 tons, 79 ft. (1896), General Construction & Dredging Co. Ltd., Toronto, Ont.

Hall, Jessie, stm., 57 tons, 83 ft. (1867), Thos. Ganley, Sault Ste. Marie, Ont.

Hall, Lorne, stm., 14 tons, 37 ft. (1895), J. R. Booth and Thomas Hall, Jr., Ottawa, Ont.

Hall, Mary P., stm., 104 tons, 82 ft. (1898), Montreal Transp. Co., Montreal, Que.

Hall, Stephen C., stm., 511 tons, 161 ft. (1880), G. G. Horne & G. Y. Chown, Kingston, Ont.

Halley's Comet, stm. pa., 50 tons, 68 ft. (1906), H. E. Crow, Chatham, Ont.

Hallie, gas, 2 tons, 25 ft. (1906), Samuel Anglin, Kingston, Ont.

Hamill, J. B., dredge, 119 tons, 13 ft. (——), W. E. Phin, Toronto, Ont.

Hamill, J. D., stm., 111 tons, 80 ft. (1904), John Island Tug Co. Ltd., John Island, Ont.

‡Hamilton, stm., 320 tons, 131 ft. (1896), Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.

Hamilton H., stm., 22 tons, 36 ft. (1894), Geo. Gooderham, Toronto, Ont.

‡Hamonic, stm., 5265 tons, 349 ft. (1909), Northern Navigation Co. Ltd., Sarnia, Ont.

Hanlan, John, stm., 37 tons, 71 ft. (1884), Lawrence Solman, Toronto, Ont.

Hannah, Arthur, gas, 22 tons, 47 ft. (1899), Caleb Hopkins & Geo. Hare, Port Credit, Ont.

Hardy, stm., 28 tons, 37 ft. (1896), W. E. Bigwood, Toronto, Ont.

Monarch, stm., 73 tons, 84 ft. (1906), Wm. Hardy, dredge, 64 tons, 66 ft. (1905), Sand & Dredging Co., Ltd., Toronto, Ont.

Harold, stm., 7 tons, 31 ft. (1905), Hon. Richard Turner, Quebec, Que.

Harold, stm., 1 ton, 17 ft. (1887), Samuel Sunstrum, Jr., Golden Lake, Ont.

Harper, Jennie G., stm., 20 tons, 48 ft. (1874), James Pilgrim, Meaford.

Harris, George A., stm., 87 tons, 90 ft. (1882), Ottawa Transp. Co., Ltd., Ottawa, Ont.

Harrison, stm., 222 tons, 120 ft. (1909), John Harrison & Sons Co., Ltd., Owen Sound, Ont.

Harvey, stm., 7 tons, 36 ft. (1904), Harvey Arnold, Wilkesport, Ont.

Harwood, stm., 23 tons, 36 ft. (1909), Minister of Railways and Canals, Ottawa, Ont.

Hazard, stm., 34 tons, 62 ft. (1892), E. Harris, Port Dover.

Hazel B., stm., 27 tons, 65 ft. (1904), Armstrong Towing Co. Ltd., Callendar, Ont.

Hazel E., stm., 13 tons, 45 ft. (1901), Thos. Morten, Newport, Vt., U. S. A.

Hazel W., stm., 4 tons, 29 ft. (1897), Mrs. Susan McNabb, Sault Ste. Marie, Ont.

Hazlitt, paddle stmr., 24 tons, 41 ft. (1902), The Dickson Co., Ltd., Peterborough.

Healy, Tim, stm., 34 tons, 41 ft. (1908), Windsor Dredging Co. Ltd., Windsor, Ont.

Heather Belle, stm., 20 tons, 50 ft. (1882), W. S. Richmond, Parry Sound, Ont.

Heather Belle, stm., 9 tons, 35 ft. (1902), Sidney E. McKinnon, Toronto, Ont.

Hebron, stm., 149 tons, 98 ft. (1899), Alex. Clarke, Cornwall, Ont.

Hector, stm., 66 tons, 67 ft. (1903), M. J. Hogan, Montreal, Que.

Hector, stm., 21 tons, 53 ft. (1898), Montreal Sand & Gravel Co., Ltd., Montreal, Que.

Helen, gas, 3 tons, 25 ft. (1906), H. L. Bastien, Hamilton, Ont.

Helen, gas, 2 tons, 25 ft. (1903), R. C. Argue and Frederick McLaughlin, Latchford, Ont.

Helen S., stm., 13 tons, 38 ft. (1906), J. W. Short, Kenora, Ont.

Helen Anita, stm., 19 tons, 42 ft. (1909), J. W. Stewart, Matheson, Ont.

‡Helen S., stm., 86 tons, 80 ft. (1899), The Collin's Inlet Lumber Co., Ltd., Toronto.

Helena, gas, 3 tons, 25 ft. (1906), H. L. Bastien, Hamilton, Ont.

‡Hemans, Capt., stm., 35 tons, 50 ft. (1902), Mrs. J. K. Paisley, Ottawa, Ont.

Henri R., stm., 101 tons, 78 ft. (——), Touzin Sand Co. Ltd., Montreal, Que.

Henrietta, dredge, 125 tons, 126 ft. (1879), Algoma Builders' Supply Co., Ltd., Port Arthur, Ont.

Henry, W. J., stm., 1 ton, 22 ft. (1890), R. L. Haycock, Ottawa, Ont.

Hepburn, stm., 15 tons, 50 ft. (1901), John H. Wilmott, Beaumaris.

Herbert, stm., 21 tons, 42 ft. (1897), Great Lakes Dredging Co. Ltd., Port Arthur, Ont.

Herbert M., stm., 44 tons, 51 ft. (1908), Chas. Mickle, Gravenhurst, Ont.

Hercule, stm., 45 tons, 58 ft. (1904), Canadian Sand & Gravel Co. Ltd., Montreal, Que.

Hercule, stm., 15 tons, 39 ft. (1905), Maurice Benard, Astorville, Ont.

‡Hercules, pa. stm., 30 tons, 50 ft. (1911), Upper Ottawa Improvement Co. Ltd., Ottawa, Ont.

‡Hercules, stm., 234 tons, 100 ft. (1906), Minister of Public Works, Ottawa, Ont.

Here, C., stm., 7 tons, 49 ft. (1899), Mrs. Barbara Davis, Kingston, Ont.

Hero, stm., 32 tons, 54 ft. (1907), W. J. Poupore, Montreal, Que.

Hewis, J. D., stm., 51 tons, 55 ft. (1892), David Hewis, Midland.

Hiawatha, paddle stmr., 22 tons, 48 ft. (1901), R. Kennedy, Lindsay.

Hiawatha, stm., 27 tons, 49 ft. (1905), T. B. & A. Croucher, Port Carling, Ont.

Hiawatha, stm., 163 tons, 92 ft. (1874), Sarnia Tug & Transit Co., Ltd., Sarnia, Ont.

Hiawatha, stm., 46 tons, 56 ft. (1895), Royal Canadian Yacht Club, Toronto.

Hickler, Clara, stm., 42 tons, 41 ft. (1882), John F. Boyd, Sault Ste. Marie, Ont.

Hickler, Laura, stm., 13 tons, 46 ft. (1883), John McCreight, Thessalon, Ont.

Hiesordt, P. S., stm., 45 tons, 66 ft. (1887), W. J. Bell, Sudbury.

High Rock (The), stm., 8 tons, 41 ft. (1885), Thomas Wilson, Montreal, Que.

High View Launch, stm., 2 tons, 25 ft. (1893), Mrs. Maria McAllister, Pembroke.

Highland Belle, (formerly Van Woodland), stm., 50 tons, 75 ft. (1900), French River & Nipissing Nav. Co. Ltd., Sturgeon Falls, Ont.

Hill, Annie C., stm., 14 tons, 36 ft. (1890), John Forsyth, Barrie.

Hodgkins, Evelyne, stm., 4 tons, 29 ft. (1888), Freeman Hodgkins, Toronto.

Hodgson, Fred A., stm., 173 tons, 97 ft. (1890), Manley Chew, Midland, Ont.

Holcomb, Ralph T., stm., 375 tons, 133 ft. (1898), Edwardsburg Starch Co. Ltd., Montreal, Que.

Holland & Graves No. 3, stm., 30 tons, 41 ft. (1905), W. E. Bigwood, Toronto, Ont.

Holland & Graves No. 4, stm., 30 tons, 41 ft. (1905), W. E. Bigwood, Toronto, Ont.

Holland, Grace, stm., 3 tons, 27 ft. (1901), Wm. E. Bigwood, Toronto, Ont.

Home Rule, stm., 81 tons, 74 ft. (1890), Miss A. M. Hackett, Amherstburg.

Home Rule, stm., 3 tons, 28 ft. (1887), Wilfred France, Penetanguishene.

Honfleur, stm., 19 tons, 38 ft. (1900), Chas. Potvin, St. Jerome, Que.

Honoré, stm., 22 tons, 51 ft. (1894), Lyon Cohen, Montreal, Que.

Hope, stm., 170 tons, 95 ft. (1870), Buffalo & Fort Erie Ferry & Ry. Co., Fort Erie, Ont.

Hope, stm., 19 tons, 44 ft. (1893), J. S. Thom, Quebec, Que.

Horton, stm., 66 tons, 72 ft. (1906), W. Marlton, Goderich, Ont.

Hosanna, stm., 89 tons, 58 ft. (1893), The Minister of Marine & Fisheries, Ottawa, Ont.

Hudson, stm., 158 tons, 128 ft. (1891), Sincennes McNaughton Line, Ltd., Montreal, Que.

Hudson, stm., 45 tons, 73 ft. (1899), H. E. Hudson & J. C. Hudson, Barry's Bay.

Humber, stm., 13 tons, 50 ft. (1873), Mrs. Alfred Paré, Lachine, Que.

Hume, Jessie, stm., 58 tons, 62 ft. (1894), Minister of Public Works, Ottawa, Ont.

Hunkidori, stm., 10 tons, 30 ft. (1881), Jas. Murphy, Quebec, Que.

Hunter, stm., 11 tons, 30 ft. (1903), Wm. H. Boucha, Kenora, Ont.

Hunter, W., gas, 1 ton, 19 ft. (1905), R. Wolff, Kenora, Ont.

Hunter, gas, 2 tons, 26 ft. (1906), C. T. Munroe, Gananoque, Ont.

Hunter, pa. stm., 14 tons, 37 ft. (1894), Ontario Lumber Co. Ltd., Toronto, Ont.

Hurdman, H. L., stm., 4 tons, 36 ft. (1902), J. F. Hurdman, Ottawa, Ont.

Hurdman, J. F., stm., 4 tons, 36 ft. (1902), J. F. Hurdman, Ottawa, Ont.

Hurdman, R., stm., 93 tons, 103 ft. (1892), A. Lumsden, Ottawa, Ont.

‡Huron, stm., car ferry, 1052 tons, 238 ft. (1875), Grand Trunk Ry. Co., Montreal, Que.

‡Huronic, stm., 3330 tons, 321 ft. (1902), Northern Nav. Co. Ltd., Collingwood, Ont.

Hydra, stm., 6 tons, 40 ft. (1892), Seth Benson, Deseronto.

I

I. X. L., dredge, 348 tons, 103 ft. (1893), R. Weddell, et al., Trenton, Ont.

Iagara, stm., 7 tons, 40 ft. (1901), John H. Davis, Kingston, Ont.

Ida, stm., 17 tons, 56 ft. (1880), J. C. Edwards, Ottawa, Ont.

Ida, sail, 76 tons, 96 ft. (1884), W. E. Beaton, Ottawa, East, Ont.

Ida Bell, stm., 6 tons, 28 ft. (1890), Chas. Bates, Clear Creek, Ont.

Ida E., stm., 285 tons, 121 ft. (1887), The River Sand Co. Ltd., Montreal.

Ida M., stm., 14 tons, 60 ft. (1890), John McCormick, Pelee Island.

Idle Hour, stm., 20 tons, 48 ft. (1905-1906), C. A. Dill, Toronto, Ont.

Idle Hour, stm., 4 tons, 25 ft. (1891), M. Molson, Montreal, Que.

Idler, stm. pa., 51 tons, 61 ft. (1904), W. E. Lawler, Hawkesbury, Ont.

Idonno, gas, 4 tons, 29 ft. (1907), George H. Funnell, Gananoque, Ont.

Ilderim, stm., 18 tons, 57 ft. (1910), R. H. Verity, Toronto, Ont.

Illecilliwaet, stm., 16 tons, 50 ft. (1897), W. T. Cassidy, Kingston, Ont.

‡Imperial, stm., 796 tons, 200 ft. (1898), Imperial Oil Co. Ltd., Sarnia, Ont.

Imperial, stm., 1098 tons, 200 ft. (1907), Chs. Mignault, Montreal, Que.

Ina, stm., 27 tons, 53 ft. (1904), John Galna and R. W. Danter, Parry Sound.

‡Ina, stm., 14 tons, 56 ft. (1901), Wm. J. Gage, Toronto, Ont.

India, stm., 976 tons, 215 ft. (1899), The Calvin Co., Ltd., Garden Island.

Indiola, stm., 6 tons, 34 ft. (1905), Isaac N. Devins, Toronto, Ont.

‡Inenew, stm., 109 tons, 86 ft. (1902), Hudson's Bay Co., London, Eng.

Inez, stm., 59 tons, 65 ft. (1884), Great Lakes Dredging Co. Ltd., Port Arthur, Ont.

Ingomar, stm., 22 tons, 61 ft. (1890), Edmund Robinault, Valleyfield, Que.

Inn, The, stm., 2 tons, 25 ft. (1905), F. J. Henderson, Gananoque, Ont.

‡International, stm., 851 tons, 210 ft. (1872), Lake Erie & Detroit River Ry. Co., Walkerville, Ont.

‡Iocoma, stm., 1669 tons, 248 ft. (1912), Imperial Oil Co. Ltd., Sarnia, Ont.

Iola, stm., 13 tons, 37 ft. (1903), R. J. Lovell, Toronto, Ont.

Iona, stm., 29 tons, 58 ft. (1904), Hector McInnes, Meaford, Ont.

‡Ionic, formerly Cuba, stm., 1,708 tons, 238 ft. (1872), Northern Nav. Co., Ltd., Collingwood, Ont.

Iota, stm., 6 tons, 34 ft. (1894), G. Hamilton, Spanish River.

Ireland, W. S., stm., 105 tons, 86 ft. (1872), John Cooper, Chatham.

Irene, stm., 3 tons, 25 ft. (1892), Harry Leslie, Port Colborne.

Irene, stm., 24 tons, 26 ft. (1887), Thos. Christie, Hamilton, Ont.

Irene, stm., 7 tons, 42 ft. (1887), Geo. F. Oakley and T. H. Allen, Toronto, Ont.

Irene, stm., 45 tons, 69 ft. (1887), Ira Hill, Midland, Ont.

Irene, stm., 10 tons, 40 ft. (1900), J. D. Johnston, Kenora, Ont.

Irene II, gas, 3 tons, 34 ft. (1911), R. J. Hopper, Westmount, Que.

Iris, stm., 16 tons, 47 ft. (1903), Francis W. Merchant, London, Ont.

Iris, yt., 1 ton, 18 ft. (1893), F. H. Barlow, Montreal, Que.

‡Iroquois, stm., 307 tons, 118 ft. (1907), Huntsville, Lake of Bays & Lake Simcoe Nav. Co., Ltd., Huntsville, Ont.

Iroquois, gas, 2 tons, 22 ft. (1903), Mrs. F. A. Price, Massanoga.

‡Iroquois, The, stm., 2359 tons, 260 ft. (1902), St. Lawrence & Toronto Steam Nav. Co., Ltd., Toronto, Ont.

Isabel, stm., 1 ton, 20 ft. (1890), E. Farmer and J. B. Tierny, Arnprior, Ont.

Ishaway, stm., 7 tons, 45 ft. (1888), E. A. Small, Montreal, Que.

Ishkoodah, stm., 3 tons, 30 ft. (1893), G. S. Ryerson, Toronto, Ont.

Island Lassie, stm., 7 tons, 37 ft. (1907), W. E. Austin, Fenelon Falls, Ont.

Island Queen, stm., 98 tons, 91 ft. (1887), L. J. Cosgrove and P. J. Craig, Toronto, Ont.

Island Queen, gas, 34 tons, 52 ft. (1877), Mrs. Mary Raines, Toronto.

Island Queen, stm., 129 tons, 97 ft. (1905), The Toronto Ferry Co., Ltd., Toronto.

Islander, dredge, 242 tons, 78 ft. (1905), F. Simpson, Toronto, Ont.

‡Islander, stm., 165 tons, 100 ft. (1900), The Muskoka Lakes Nav. & Hotel Co., Ltd., Toronto, Ont.

Islander, dge., 242 tons, 78 ft. (1905), Frank Simpson, Toronto, Ont.

Islay, stm., 175 tons, 116 ft. (1895), Chas. McInnes, Orillia.

Isleway, stm., 14 tons, 52 ft. (1904), Isleway Fish & Game Club, Montreal, Que.

Islinda, stm., 54 tons, 80 ft. (1910), P. P. Young, Young's Point, Muskoka, Ont.

Isobel, dge., 446 tons, 101 ft. (1903), Michael J. Hogan, Montreal, Que.

Ivan, Edna, stm., 54 tons, 79 ft. (1900), James Purvis, Gore Bay.

Ivan R., stm., 66 tons, 67 ft. (1903), Hamilton Ferry Co. Ltd., Hamilton, Ont.

Ivola, gas, 2 tons, 26 ft. (1909), L. A. Potvin, Peterboro, Ont.

Ivy, stm., 7 tons, 44 ft. (1884), D. B. Maclennan, Cornwall.

J

J. E. C., gas, 21 tons, 49 ft. (1911), J. E. Cahill, Calumet Island, Que.

Jack, stm., 31 tons, 50 ft. (1901), The Price Brothers & Co., Ltd., Quebec, Que.

Jack C., stm., 19 tons, 43 ft. (1907), Walter W. Carter, Fesserton, Ont.

Jackman, Frank, stm., 39 tons, 65 ft. (1882), W. J. Finn, et al., Montreal, Que.

Jackson, Lena, stm., 47 tons, 62 ft. (1907), Victoria Harbour Lumber Co., Ltd., Toronto, Ont.

Jack Canuck No. 3, dredge, 113 tons, 63 ft. (1909), J. E. Russell, Toronto, Ont.

Jap, gas, 3 tons, 23 ft. (1905), Scott & Hudson Bldg. Co., Kenora, Ont.

Jarmin, T. J. (formerly Geyser), stm., 47 tons, 60 ft. (1889), Dredging & Drainage Co. of Ont. Ltd., Toronto, Ont.

Jasmine (formerly Ojibway & A. J. Tymon), stm., 298 tons, 112 ft. (1892-1906), Toronto Ferry Co., Ltd., Toronto, Ont.

Jean, stm., 7 tons, 35 ft. (1905), C. O. Clark, St. Paul, Que.

Jean Joseph, sail, 50 tons, 79 ft. (1910), Johnny Levesque, Chicoutimi, Que.

Jeanne, stm., 37 tons, 38 ft. (1888-1898), A. E. Brunet, Montreal, Que.

Jeanne d'Arc, stm., 105 tons, 96 ft. (1908), Auguste Thiaville, Sorel, Que.

Jenet B., stm., 20 tons, 44 ft. (1912), Jos. Boucha, Kenora, Ont.

Jennie, A. H., stm., 197 tons, 119 ft. (1882), Agnes M. Britnell, Toronto, Ont.

Jennie Mac., stm., 5 tons, 33 ft. (1899), C. B. McAllister, Peterborough, Ont.

Jeska, stm., 189 tons, 108 ft. (1909), Edward McKenzie, Smith's Falls, Ont.

Jessie, stm., 9 tons, 31 ft. (1900), Stanley Burton, Peterborough.

Jessie, stm., 19 tons, 46 ft. (1879), Achille Bernier, St. Joseph de Levis, Que.

Jessie B., stm., 5 tons, 29 ft. (1905), Wm. Alexander, Nepigon, Ont.

Jessie M., stm., 14 tons, 42 ft. (1903), Alphonse Metiver, Algoma Mills, Ont.

Jet, sail, 312 tons, 137 ft. (1871), Touzin Sand Co. Ltd., Montreal, Que.

Jim & Tom, stm., 33 tons, 63 ft. (1907), Jas. & T. H. Low, Port Dover, Ont.

Joe, stm., 57 tons, 65 ft. (1900), The Huntsville, Lake of Bays & Lake Simcoe Nav. Co., Ltd., Huntsville.

Joe, bge., 7 tons, 46 ft. (1901), Jos. Lavigne, Ville Marie, Que.

John, pa. stm., 34 tons, 65 ft. (1902), Telesphore Martin, Point Fortune, Que.

John A., stm., 20 tons, 57 ft. (1888), J. C. Weir, Montreal, Que.

John R. (formerly Melbourne), stm., 225 tons, 170 ft. (1893-1909), Hamilton Ferry Co. Ltd., Hamilton, Ont.

Johnnie H., 14 tons, 41 ft. (1899), J. S. Thom, Quebec, Que.

Johnson, George H., stm., 56 tons, 50 ft. (1907), McLachlin Bros., Ltd., Arnprior, Ont.

Johnston, Wm., stm., 95 tons, 85 ft. (1878), The Calvin Co., Ltd., Garden Island.

Joliette, stm., 13 tons, 45 ft. (1887), Stewart S. and Jessie Joseph, Stanstead, Que.

Jolly Four, stm., 10 tons, 36 ft. (——), Harry Oldfield, Parry Sound.

Jones, Birdie, stm., 2 tons, 28 ft. (1885), A. W. Jones, Ottawa.

Jones, Charlie, stm., 16 tons, 43 ft. (1904), W. H. McPherson and Geo. Wilson, Port Stanley, Ont.

Jones, George H., stm., 71 tons, 65 ft. (1910), D. Rumley, Owen Sound, Ont.

Jopl, stm., 11 tons, 52 ft. (1895), John Paul, Newboro.

Josie, stm., 12 tons, 32 ft. (1897), D. L. Mather, Kenora, Ont.

Juanita, stm., 3 tons, 30 ft. (1880), James Moreau, Port Severn.

Jubilee, stm., 117 tons, 84 ft. (1897), Temiskaming Nav. Co. Ltd., Mattawa, Ont.

Jubilee, stm., 25 tons, 66 ft. (1897), H. W. Albro, Megantic, Que.

Jubilee, stm., 10 tons, 53 ft. (1888), J. H. Ferguson, et al., Blenheim.

Jubilee, stm., 2 tons, 35 ft. (1897), George Gale, et al., Ottawa, Ont.

Julia V., stm., 42 tons, 56 ft. (1908), P. Villineuve, Kenora, Ont.

Juno, stm., 288 tons, 139 ft. (1885), Point Anne Quarries, Ltd., Toronto, Ont.

Juno, stm., 28 tons, 62 ft. (1887), Dominion Fish Co., Winnipeg, Man.

K

Kate, stm., 22 tons, 63 ft. (1902), H. M. Mowat, Toronto, Ont.

Kate, stm., 61 tons, 67 ft. (1900), Harry Aird, Quebec, Que.

Kathleen, stm., 110 tons, 84 ft. (1886), The Toronto Ferry Co., Ltd., Toronto.

Kathleen, stm., 51 tons, 60 ft. (1906), A. Robertson and R. E. Doucet, Kenora, Ont.

Kathleen, stm., 110 tons, 84 ft. (1886), Toronto Ferry Co., Ltd., Toronto, Ont.

Katie, stm., 4 tons, 30 ft. (1896), C. P. Chisholm, Oakville.

Kealey, pa. stm., 23 tons, 36 ft. (1907), Gilmour & Hughson, Ltd., Ottawa.

Kawartha, stm., 17 tons, 46 ft. (1900), Wm. Burgoyne, Fenelon Falls.

Keego, stm., 23 tons, 63 ft. (1905), Temagami Stmbt. & Hotel Co., Ltd., Temagami, Ont.

Keenan (formerly Winnanna), stm., 133 tons, 91 ft. (1907-1910), Keenan Towing Co., Ltd., Owen Sound, Ont.

‡Keenora, stm., 846 tons, 120 ft. (1897), Rainy River Nav. Co., Ltd., Kenora, Ont.

Keewatin, stm., 82 tons, 69 ft. (1899), Rainy River Navigation Co., Ltd., Kenora, Ont.

‡Keewatin, stm., 3856 tons, 336 ft. (1907), Canadian Pacific Ry., Montreal, Que.

Keewatin, sail, 199 tons, 120 ft. (1888), James Doherty, Belleville, Ont.

Kegabonga, pa. stm., 14 tons, 36 ft. (1899), Gilmour & Hughson, Ltd., Ottawa, Ont.

Kelly, Gordon, pa. stm., 16 tons, 37 ft. (1904), George Gordon & Co., Ltd., Cache Bay, Ont.

Kenirving, stm., 145 tons, 104 ft. (1900), Edward Smith, Storrington.

‡Kennaquhair, dge., 462 tons, 100 ft. (1908), William E. Phin, Welland, Ont.

Kennedy, John, dge., 359 tons, 92 ft. (1892), Harbour Commissioners, Montreal, Que.

Kennedy, Susie, stm., 4 tons, 27 ft. (1904), M. Burton, Barrie, Ont.

Kenogami, stm., 21 tons, 49 ft. (1886), Evan J. Price, Quebec, Que.

Kenosha, paddle stm., 266 tons, 112 ft. (1891), Jos. B. Parkin, Lindsay.

Kenozha, stm., 225 tons, 100 ft. (1883), The Muskoka & Nipissing Nav. Co., Gravenhurst, Ont.

Kestrel, stm., 13 tons, 36 ft. (1904), E. C. Tripp, Cloud Bay, Ont.

Kestrel, stm., 7 tons, 38 ft. (1900), James Playfair, Midland.

‡Key Bell, stm., 1730 tons, 258 ft. (1912), Keystone Trans. Co. Ltd., Montreal, Que.

Kilbirnie, stm., 15 tons, 45 ft. (1887), R. J. Brodie, Smith's Falls.

Kilkeel, stm., 252 tons, 135 ft. (1895), Kilkeel Co., Ltd., Toronto, Ont.

Killarney Belle, stm., 28 tons, 52 ft. (1892), The Manitoulin Ranch & Lumber Co., Ltd., Walkerville, Ont.

King Bird, stm., 5 tons, 35 ft. (1898), Chas. Page, Three Rivers, Que.

King Edward, stm., 24 tons, 50 ft. (1907), J. R. Booth, Ottawa, Ont.

‡Kingfisher, stm., 77 tons, 65 ft. (1904), Rat Portage Lumber Co. Ltd., St. Boniface, Man.

King, Maggie R., stm., 27 tons, 50 ft. (1872), William Finn et al., Cascade, Que.

Kingsford, dredge, 270 tons, 85 ft. (1895), C. S. Boone, Toronto, Ont.

‡Kingston, paddle stm., 2925 tons, 288 ft. (1901), Richelieu & Ont. Nav. Co., Montreal, Que.

‡Kinmount, stm., 2112 tons, 249 ft. (1908), Montreal Trans. Co., Ltd., Montreal, Que.

Kiskisink, stm., 3 tons, 27 ft. (1899), Nazaire Simoneau, Lake Kiskisink, Que.

Kismet, stm., 5 tons, 36 ft. (1894), E. B. Burrell, Belleville.

Klein, stm., 15 tons, 39 ft. (1903), Mrs. Elizabeth A. Knowles, Toronto.

Klondike, stm., 2 tons, 25 ft. (1898), E. W. Jenkins, Magnetawan.

‡Kwasind, stm., 47 tons, 71 ft. (1912), Royal Canadian Yacht Club, Toronto, Ont.

L

L. O. B. Co., stm., 19 tons, 42 ft. (1912), Lower Ottawa Boom Co. Ltd., Ottawa, Ont.

L. S. No. 3, dredge, 383 tons, 100 ft. (1896), S. L. Penhorwood, Sault Ste. Marie, Ont.

L. S. No. 8, dredge, 383 tons, 100 ft. (1896), S. L. Penhorwood, Sault Ste. Marie, Ont.

L'Ami, stm., 2 tons, 36 ft. (1898), E. Chateauvert et al., Ottawa, Ont.

L'Ami, stm., 16 tons, 38 ft. (1890), A. Bernier, Levis, Que.

L'Original Bay, stm., 33 tons, 54 ft. (1912), Euclide Côté, L'Original, Ont.

La Belle, stm., 75 tons, 72 ft. (1879), H. A. Hackett, Amherstburg.

La Canadienne, stm., 372 tons, 154 ft. (1880), Minister of Marine and Fisheries, Ottawa, Ont.

La Jeannette, gas, 12 tons, 28 ft. (1910), Alfred Girard, St. Fulgence, Que.

Lac St. Jean, pa. stm., 43 tons, 57 ft. (1907), Ferdinand Bergeron et al., St. Jerome, Lac St. Jean, Que.

Lachine, stm., 26 tons, 40 ft. (1912), Minister of Railways & Canals, Ottawa, Ont.

Lady Auto, stm., 17 tons, 50 ft. (1909), J. and P. Hupé, Hull, Que.

‡Lady Evelyn, stm., 483 tons, 189 ft. (1901), Postoffice Dept. of Canada, Ottawa, Ont.

Lady Forrest, stm., 6 tons, 31 ft. (1878), Godfrey C. Lomer, Montreal, Que.

Lady Franklin, stm., 5 tons, 36 ft. (1901), Thos. Stanton, Sparrow Lake.

‡Lady Gray, stm., 733 tons, 172 ft. (1906), Minister of Marine and Fisheries, Ottawa, Ont.

Lady of Gaspe (formerly Restigouche), 1189 tons, 229 ft. (1877), J. A. Bouchard, Quebec, Que.

Lady of the Isles, gas, 5 tons, 32 ft. (1901), J. H. Davis, Kingston, Ont.

Lady of the Lake, stm., 7 tons, 41 ft. (1902), Chas. J. Gibson, Toronto.

Lady of the Lake, stm., 607 tons, 153 ft. (1867), F. A. McKinnon, Montreal, Que.

Lady of the Lake, stm., 33 tons, 60 ft. (1897), W. B. Kelly, Bridgenorth.

Lady Laurier, stm., 2 tons, 22 ft. (1898), P. Rousseau, Quebec, Que.

Lady Smith, stm., 6 tons, 40 ft. (1893), Chas. C. Pilkey, Orillia.

‡Lady Minto, stm., 403 tons, 141 ft. (1903), Upper Ottawa Improvement Co. Ltd., Ottawa, Ont.

Lafreniere et St. Onge, 131 tons, 103 ft. (1874), James Williamson, Grenville, Que.

Laird McAulay, stm., 88 tons, 74 ft. (1907), Donald McAulay, Southampton, Ont.

Lake, stm., 13 tons, 40 ft. (1901), Randolph Macdonald Co. Ltd., Toronto, Ont.

Lake, Annie, stm., 19 tons, 64 ft. (1894), J. C. Lake, Belleville.

Lake Michigan, stm., 588 tons, 136 ft. (1872), Chas. Bonnett, Kincardine, Ont.

Lakefield, stm., 33 tons, 63 ft. (1904), Frank and A. F. Stanton, Sparrow Lake, Muskoka.

Lakeside, stm., 348 tons, 121 ft. (1888), M. J. Hogan, Port Colborne, Ont.

Lala, sail, 45 tons, 67 ft. (1904), James Richardson Co. Ltd., Matane, Que.

Lamb, Daniel, dge., 18 tons, 90 ft. (1896), Corporation of the City of Toronto, Ont.

‡Lambton, stm., 323 tons, 108 ft. (1909), Minister of Marine and Fisheries, Ottawa, Ont.

Lamonde (formerly Stranger), stm., 86 tons, 81 ft. (1872-1901-1911), Mrs. May M. Hammond, Kingston, Ont.

Lanark, dredge, 132 tons, 79 ft. (1907), Lyon Cohen, Montreal, Que.

Lancaster, stm., 100 tons, 65 ft. (1895), Jos. Roy, et al., Carillon, Que.

Lanoraie, stm., 90 tons, 78 ft. (1901), Minister of Marine & Fisheries, Ottawa, Ont.

‡Lansdowne, pass stm., 1571 tons, 294 ft. (1884), G. T. R. Co., Montreal, Que.

La Reine, stm., 2 tons, 26 ft. (1907), Arthur Paquin, La Tuque, Que.

Larose, H., stm., 13 tons, 46 ft. (1895), Thos. Gauthier, Montreal, Que.

Lasata, gas, 50 tons, 82 ft. (1905), Arthur C. Hardy, Brockville, Ont.

Lassie, stm., 6 tons, 36 ft. (1903), New Ontario Trans. Co., Ltd., Port Arthur, Ont.

La Tuque, stm., 110 tons, 76 ft. (1906), O. Laing & M. Clouthier, Grandes Piles, Que.

Laughlin, Mary A., stm., 23 tons, 48 ft. (1871), Thomas Gauthier, Montreal, Que.

Laura A., stm., 26 tons, 44 ft. (1905), G. C. Allan, Fort Francis, Ont.

Laura, bge., 339 tons, 142 ft. (1895), Canadian Forwarding & Export Co. Ltd., Montreal, Que.

Laura B., gas, 2 tons, 23 ft. (1906), G. A. Whitmarsh, Gananoque, Ont.

Laura Grace, stm., 86 tons, 76 ft. (1901), The Lake Superior Tug Co. Ltd., Port Arthur.

Laura M., stm., 18 tons, 44 ft. (1894), Athenase Legault, Rossport, Ont.

Laura Mc., stm., 2 tons, 26 ft. (1900), Thos. McConnell, Lindsay.

Laurier, stm., 19 tons, 60 ft. (1893-1899), Mrs. Elizabeth Brulé, Sorel, Que.

Laurin & Leitch No. 1, dredge, 297 tons, 74 ft. (1909), Laurin & Leitch, Montreal, Que.

‡Lauzon, stm., 419 tons, 133 ft. (1910), Levis Ferry, Ltd., Levis, Que.

Laval, dge., 296 tons, 153 ft. (1893), Minister of Public Works, Ottawa, Ont.

Laval Ferry, gas, 9 tons, 33 ft. (1912), Arthur Bonenfant, Bout de L'Lle, Que.

Laverdure, E. G., stm., 54 tons, 66 ft. (1889), E. A. D. Morgan, Montreal, Que.

LeFlottant, stm., 22 tons, 49 ft. (1908), Amede Archambault, Bout de l'Lle, Que.

LeMarquis de Lorne, 17 tons, 38 ft. (1880), A. Talbot, Cap. St. Ignace, Que.

Le Roberval, pa. stm., 126 tons, 86 ft. (1902), La Cie de Pulpe de Roberval, Roberval, Que.

Lea, stm., 12 tons, 43 ft. (1893), J. Arel, Three Rivers, Que.

Leclair, stm., 1 ton, 17 ft. (1885), F. Leclair, Ottawa, Ont.

Lee, stm., 9 tons, 46 ft. (1897), J. McGraw, Brockville.

Lee, Senior, John, stm., 88 tons, 86 ft. (1888), John Lee, Sr., Wallaceburg.

‡Leland, dredge, 470 tons, 100 ft. (1911), Canadian Dredging Co., Ltd., Midland, Ont.

Lemcke, Charles (see Pedwell-Henry.)

Lemoine, Frances, dredge, 232 tons, 78 ft. (1901), Frances Lemoine, Montreal, Que.

Lena, stm., 14 tons, 45 ft. (1898), Edw. W. and Allan Ross, J. O. Tp. of Dunne.

Lena, stm., 22 tons, 48 ft. (1881), G. H. Flint, Montreal, Que.

Lena, gas, 3 tons, 25 ft. (1906), Henry L. Bastien, Hamilton, Ont.

Lena May, stm., 7 tons, 35 ft. (1906), Upper Ontario Steamboat Co. Ltd., New Liskeard, Ont.

Lenora, stm., 8 tons, 38 ft. (1900), Seven Islands Co., Montreal, Que.

Lenore, stm., 6 tons, 39 ft. (1887), H. Dennis, Coburg, Ont.

Leo, stm., 2 tons, 35 ft. (1896), W. W. Cooke, Grenville, Que.

Leon, stm., 15 tons, 45 ft. (1893), L. Cyr, High Falls, Que.

Leone, stm., 4 tons, 37 ft. (1899), Frederick Huck, Rockport.

Les Ecureulis, 57 tons, 65 ft. (1892), Joseph Lajoie, St. Fulgence, Que.

‡Levis, stm., 419 tons, 133 ft. (1910), Levis Ferry, Ltd., Levis, Que.

Lewis, Elgin L., stm., 50 tons, 70 ft. (1904), French River & Nipissing Nav. Co. Ltd., Hamilton, Ont.

Lib, stm., 31 tons, 62 ft. (1908), Finn & Thompson, Montreal, Que.

Libble, stm., 3 tons, 28 ft. (1898), Wellington McDonald, Lakefield.

Lilias, stm., 2 tons, 36 ft. (1902), Thos. F. Ahearn, Ottawa.

Lillian, stm., 5 tons, 30 ft. (1893), Chas. Martin, Jr., Simcoe.

Lillian, stm., 2 tons, 26 ft. (1896), S. G. Lindsay, Ottawa.

Lillie, stm., 3 tons, 32 ft. (1888), A. Ferguson, Escott.

Lillie H., stm., 19 tons, 43 ft. (1891), R. H. Scougall, Quebec, Que.

Lillie of the Valley, stm., 2 tons, 33 ft. (1891), P. Sage, Mackey's Station, Ont.

Lilly, stm., 22 tons, 51 ft. (1890-1909), The Victoria Harbor Lumber Co. Ltd., Toronto.

Linden, stm., 4 tons, 40 ft. (1902), Henry Walton, Magnetawan.

Lintonia, stm., 58 tons, 82 ft. (1910), C. F. Gray, Lakefield, Ont.

Lion, stm., 5 tons, 31 ft. (1902), Albert McCallum, Toronto.

‡Lisgar, stm., 210 tons, 91 ft. (1909), Minister of Public Works, Ottawa, Ont.

Lispeth, stm., 25 tons, 45 ft. (1909), Rat Portage Lumber Co. Ltd., St. Boniface, Man.

Little Ada, stm., 236 tons, 112 ft. (1863), Robert F. Grant, Three Rivers, Que.

Little Emely, stm., 6 tons, 28 ft. (1889), Louis Gagnon, Pentecost River, Que.

Little Giant, dge. 133 tons, 79 ft. (1908), Lyon Cohen, Montreal, Que.

Little Miss, gas, 9 tons, 29 ft. (1910), A. S. Foreman, Montreal, Que.

Little Jap, gas, 2 tons, 22 ft. (1902), A. V. Donaldson, Parry Sound, Ont.

Little Queen, gas, 13 tons, 44 ft. (1911), Grant Pyke, Wolfe Island, Ont.

Little Roxy, stm., 12 tons, 42 ft. (1896), M. Rothchilds, Baie de Peres, Que.

Little Verdun, stm., 10 tons, 30 ft. (1910), Mrs. Elizabeth Paul, Lower Lachine, Que.

Lizpeth, stm., 25 tons, 45 ft. (1909), Rat Portage Lumber Co., Ltd., St. Boniface, Man.

Lizzie May, stm., 18 tons, 55 ft. (1897), John Harrison & Sons Co., Ltd., Owen Sound, Ont.

Loafer, gas, 7 tons, 32 ft. (1910), Ralph Burnett, Montreal, Que.

Loafer II, gas, 12 tons, 42 ft. (1912), Ralph Burnett, Montreal, Que.

Logie, John, stm., 37 tons, 76 ft. (1893), John Logie, Southampton.

Lolita, gas, 2 tons, 24 ft. (1904), Wm. Funnell, Gananoque, Ont.

Long, Edward, stm., 9 tons, 42 ft. (1905), John A. Long, Ottawa, Ont.

Longboat, stm., 23 tons, 37 ft. (1901), Ontario Lumber Co., Ltd., Toronto, Ont.

Long Sault, stm., 69 tons, 65 ft. (1911), Geo. Dansereau, Grenville, Ont.

Longueuil, paddle stm., 379 tons, 170 ft. (1884-1890), Richelieu & Ont. Nav. Co., Montreal, Que.

Longlad, stm., 22 tons, 63 ft. (1911), Henry Arnold, Moon Falls, Muskoka, Ont.

Lorancia, stm., 346 tons, 112 ft. (1909), Zephirin Leroux, Valleyfield, Que.

‡Lord Strathcona, stm., 495 tons, 160 ft. (1902), Quebec Salvage & Wrecking Co., Ltd., Montreal, Que.

‡Loretta, stm., 76 tons, 77 ft. (1907), Minister of Railways and Canals, Ottawa, Ont.

Lorillie, stm., 6 tons, 38 ft. (1899), Melville Strickland, Lakefield.

Lotbiniere, stm., 146 tons, 78 ft. (1903), Minister of Marine & Fisheries, Ottawa, Ont.

Lottie, stm., 10 tons, 40 ft. (1885), Canadian Pacific Ry. Co., Montreal, Que.

Lottie, stm., 12 tons, 43 ft. (1907), Charles McLeod, Masson, Ont.

Lotus, stm., 8 tons, 35 ft. (1907), E. E. Harris, Amherstburg, Ont.

Lotus, stm., 7 tons, 42 ft. (1884-1901), Wm. Berry, Port Stanley.

Louis Joseph, stm., 61 tons, 70 ft. (1911), E. Gagnon, Ste. Anne de Chicoutimi, Que.

Louisa, stm., 13 tons, 55 ft. (1902), John Lee, Sr., Wallaceburg.

Louise, stm., 3 tons, 29 ft. (1905), John H. Davis, Kingston, Ont.

Louise, stm., 1 ton, 19 ft. (1899), Walter Kavanaugh, Montreal, Que.

Louise, stm., 1 ton, 25 ft. (1887), J. E. Turgeon, Ottawa, Ont.

Louiseville, stm., 383 tons, 120 ft. (1909), Alexandre Desmarteau, Montreal, Que.

Loup Garoup, stm., 23 tons, 53 ft. (1908), C. O. Clark, Westmount, Que.

Lowmoor, stm., 14 tons, 47 ft. (——), Mdme. Narcisse Paul, Verdun, Que.

Lucia, stm., 41 tons, 67 ft. (1898), Sincennes McNaughton Line, Ltd., Montreal, Que.

Luciana, stm., 18 tons, 42 ft. (1904), L. Cohen, Montreal, Que.

Lucie, stm., 24 tons, 49 ft. (1877), Joseph Duval, Nicolet, Que.

Lucille, stm., 30 tons, 62 ft. (1889), C. Beck Mfg. Co. Ltd., Penetanguishene.

Lucina, stm., 32 tons, 47 ft. (1905), A. Marchildon, Three Rivers, Que.

Luella, stm., 38 tons, 66 ft. (1880), The Toronto Ferry Co. Ltd., Toronto.

Lutin, gas, 1 ton, 21 ft. (1907), Alphonse Decary, Montreal, Que.

Lyle, gas, 5 tons, 30 ft. (1904), D. J. Symes & H. M. Smith, Corunna, Ont.

Lyon C., stm., 40 tons, 53 ft. (1909), Lyon Cohen, Montreal, Que.

‡Lyon, Charles, stm., 1658 tons, 280 ft. (1908), Canadian Pac. Car. & Pass. Transfer Co. Ltd., Prescott, Ont.

M

‡M. & F. No. 10, dredge, 702 tons, 132 ft. (1910), Minister of Marine & Fisheries, Ottawa, Ont.

M. & W., stm., 8 tons, 41 ft. (1902), David A. Mitchell, Gananoque, Ont.

McAulay, Frank G., stm., 43 tons, 67 ft. (1898), N. S. Cornell, Port Stanley, Ont.

MacAulay, Laird, stm., 88 tons, 74 ft. (1907), Donald McAulay, Southampton, Ont.

McCarthy, D'Alton, stm., 45 tons, 65 ft. (1893-1909), W. G. Goodchild, Tp. of Malden, Ont.

McCarthy, Leighton, stm., 36 tons, 63 ft. (1904), Thomas Drever,, Collingwood, Ont.

McClintock, stm., 21 tons, 36 ft. (1894), R. C. Carter, Deseronto.

McColl, J. B., stm., 24 tons, 48 ft. (1908), Minister of Railways and Canals, Ottawa, Ont.

McCrea, Frank N., stm., 19 tons, 47 ft. (1908), F. N. McCrea, Sherbrooke, Que.

McDonald, J. H., stm., 41 tons, 65 ft. (1902), Waldie Brothers, Ltd., Toronto, Ont.

McDonald, M. G., stm., 29 tons, 58 ft. (1895), Jas. P. McDonald, Blind River, Ont.

McDonald, Mabel, stm., 42 tons, 64 ft. (1891), Randolph Macdonald Co. Ltd., Toronto, Ont.

McIntosh, G. P., stm., 58 tons, 78 ft. (1888), M. J. Logan, Port Colborne, Ont.

McKay, John, stm., 34 tons, 68 ft. (1901), Daniel McKay, Cockburn Island, Ont.

McKeon, James, stm., 36 tons, 52 ft. (1893), Blind River Transportation Co., Ltd., Blind River, Ont.

McLaurin, G. A., stm., 17 tons, 36 ft. (1909), G. A. McLaurin, Savanne, Ont.

McLean Bros., stm., 2 tons, 22 ft. (1900), Frank H. McLean, Stratford.

McLeod, D., stm., 36 tons, 69 ft. (1903), Dominion Fish Co. Ltd., Winnipeg, Man.

McLeod, J. B. (formerly Earl), stm., 18 tons, 53 ft. (1893), Brock McAulay, Southampton, Ont.

McMahon, Agnes, stm., 81 tons, 96 ft. (1870), I. Clement, Montreal, Que.

McMaugh, Heward, stm., 42 tons, 47 ft. (1898), M. P. Davis, Ottawa.

McNaughton, stm., 137 tons, 92 ft. (1886), Dominion Dredging Co. Ltd., Ottawa, Ont.

McPherson, R. B., stm., 30 tons, 53 ft. (1872), James Morrow, Collingwood.

McRae, John, stm., 34 tons, 62 ft. (1905), John McRae, Meaford, Ont.

McRae, Wm. F., stm., 46 tons, 65 ft. (1880), Finn & Thompson, Montreal, Que.

M. & W., stm., 8 tons, 40 ft. (1902), David A. Mitchell, Gananoque.

Mabel C., stm., 4 tons, 25 ft. (1893), Minister of Interior, Ottawa.

Mabel D., stm., 38 tons, 64 ft. (1907), S. G. Story, Blenheim, Ont.

Mabel G., stm., 10 tons, 36 ft. (1898), Wm. McM. Thomson, Penetanguishene.

Mabel M., stm., 7 tons, 39 ft. (1901), Andrew Campbell, Port Elgin.

Maberly, dge., 110 tons, 83 ft. (1907), Lyon Cohen, Montreal, Que.

Mac, Jennie, stm., 5 tons, 33 ft. (1899), C. B. McAllister, Peterborough.

Macannamac, stm., 4 tons, 30 ft. (1891), Megantic Fish & Game Club, Agnes, Que.

‡Macassa, stm., 529 tons, 178 ft. (1888 and 1905), Niagara Nav. Co. Ltd., Toronto, Ont.

‡Mackay, Robert, stm., 129 tons, 79 ft. (1899), Harbor Comrs., Montreal, Que.

Macy, stm., 8 tons, 39 ft. (1905), J. H. Simpson, Lynn, Ont.

Madawaska, stm., 15 tons, 37 ft. (1893), McLachlin Bros. Ltd., Arnprior, Ont.

Madge, stm., 7 tons, 40 ft. (1902), Ontario & Quebec Nav. Co., Ltd., Picton, Ont.

Madge, stm., 9 tons, 36 ft. (1898), P. C. Jones, Belleville.

Maggie, stm., 37 tons, 62 ft. (1873), Edward Armstrong, Port Colborne.

Maggie May, stm., 29 tons, 51 ft. (1891), Thos. Weir, Chatham, Que.

Maggie May, stm., 46 tons, 58 ft. (1889), W. Gartshore, Parry Sound.

Maganetawan (formerly Jos. B. Dewey), stm., 25 tons, 67 ft. (1901), William E. Bigwood, Toronto, Ont.

Magnolia, stm., 367 tons, 136 ft. (1898), The Midland Towing & Wrecking Co. Ltd., Midland, Ont.

Mahigama, stm., 20 tons, 61 ft. (1899), Haileyburg Nav. Co., Ltd., Haileyburg, Ont.

Maid of the Mist, stm., 62 tons, 71 ft. (1885), Richard Carter, Niagara Falls.

Main, Florence, stm., see Mohawk Belle.

Main, Maggie, stm., 19 tons, 40 ft. (1909), David Schell, Gravenhurst, Ont.

Maitland, Thos., stm., 107 tons, 89 ft. (1899), Rixon, Ainslie, Stoddart Co., Ltd., Owen Sound, Ont.

Majestic, stm., 135 tons, 82 ft. (1898), Rainy River Nav. Co., Kenora, Ont.

Majestic, stm., 1578 tons, 209 ft. (1895), Northern Nav. Co. Ltd., Collingwood.

Malinche, stm., 7 tons, 37 ft. (1904), Capt. W. J. Murphy, Morrisburg.

Maneta, stm., 34 tons, 66 ft. (1900), Geo. A. Smith, Bobcaygeon.

Manicouagan, stm., 29 tons, 50 ft. (1899), Stuart H. Dunn, Quebec, Que.

Manistique, stm., 474 tons, 151 ft. (1882), The Sarnia Bay Towage & Salvage Co. Ltd., Sarnia.

‡Manitoba, stm., 2616 tons, 303 ft. (1889), Canadian Pacific Ry. Co., Montreal, Que.

Manitou, stm., 470 tons, 137 ft. (1903), Dominion Fish Co. Ltd., Winnipeg, Man.

Manolia, stm., 6 tons, 30 ft. (1898), Fred Mills, Tp. of Monck.

Mansfield, stm., 169 tons, 105 ft. (1889), F. X. St. Jean, Gatineau Point, Que.

Manxman, stm., 74 tons, 72 ft. (1873), J. O. Lafreniere, Montreal, Que.

Maple Leaf, stm., 5 tons, 30 ft. (1902), John Boon, Rossport.

Maple Leaf, stm., 12 tons, 37 ft. (1892), S. Brown, Bracebridge, Ont.

Maple Leaf, stm., 7 tons, 38 ft. (1891), Gardner Boyd, Toronto.

Marchment, S. W., stm., 89 tons, 97 ft. (——), E. Bedford and T. Hough, Toronto, Ont.

Margaret F., stm., 31 tons, 56 ft. (1912), John F. Monck, Hamilton, Ont.

Margota, stm., 10 tons, 38 ft. (1902), Sir R. Forget, Montreal, Que.

Marguerite, stm., 6 tons, 28 ft. (1902), M. H. & Robt. Smith, Fort Frances, Ont.

Marguerite, stm., 8 tons, 35 ft. (1879), John Anderson, Windsor.

Marguerite, gas, 4 tons, 23 ft. (1906), Jos. Parent, Windsor, Ont.

Maria, stm., 31 tons, 49 ft. (1901), W. J. Poupore, Montreal, Que.

Marie, stm., 3 tons, 34 ft. (1895), The Rainy River Lumber Co. Ltd., Rainy River, Ont.

Marie, stm., 4 tons, 33 ft. (1902), O'Connor Steamboat & Hotel Co. Ltd., Toronto, Ont.

Marie Alma, stm., 52 tons, 64 ft. (1900), Joseph Derry, Roberval, Que.

Marie Josephine, stm., 117 tons, 88 ft. (1891), Mdme. Marie J. Gagnon, Beauport, Que.

Marie Louise, stm., 99 tons, 94 ft. (1889), E. Gagnon, Ste. Anne de Chicoutimi, Que.

Marie Louise, stm., 6 tons, 38 ft. (1896), Jos. Veilleux, Alma Ville, Shawenegan Falls, Que.

Marie Louise, stm., 32 tons, 51 ft. (1900), Jos. Briggs Parkin, Lindsay.

Marie Stella, stm., 24 tons, 46 ft. (1905), Joseph Page, St. Alexis, Que.

Mariel, stm., 49 tons, 66 ft. (1883), Jos. Ganley, Sault Ste. Marie, Ont.

Marion, gas, 9 tons, 35 ft. (1905), W. F. Ball, Sombra, Ont.

Marionl, gas, 19 tons, 50 ft. (1912), Dr. Geo. Snyder, Bertie, Ont.

Marlo, stm., 5 tons, 31 ft. (1906), Hercule Dupre, Montreal, Que.

Marmora, stm., 13 tons, 35 ft. (1896), Geo. B. Blocker, Marmora.

Marshall, Frank, stm., 30 tons, 52 ft. (1903), Frank Marshall, Kenora, Ont.

Marshall, Samuel, stm., 772 tons, 198 ft. (1888), Central Canada Coal Co. Ltd., Toronto, Ont.

Martha, stm., 2 tons, 28 ft. (1902), Mrs. Martha Wessels, Kingston.

Martin, Frances, stm., 27 tons, 50 ft. (1909), Wm. Martin, Penetanguishene, Ont.

Martin, Minnie, stm., 30 tons, 50 ft. (1908), Mrs. Martin, Midland, Ont.

Marwick, David, stm., 30 tons, 60 ft. (1905), Wm. Leslie, A. Leslie and Geo. Bellrose, Tobermory, Ont.

Marwood, M., stm., 4 tons, 31 ft. (1902), Wm. Menzies, Amherstburg, Ont.

Mary, stm., 53 tons, 65 ft. (1875), Montreal Transp. Co. Ltd., Montreal, Que.

Mary Ellen, stm., 20 tons, 57 ft. (1896), J. Jessmer and M. Jessmer, Cornwall, Ont.

Mary Ethel, paddle stm., 99 tons, 93 ft. (1879), Trenton & Bay of Quinte Nav. Co. Ltd., Trenton.

Mary L., stm., 10 tons, 40 ft. (1907), Peter Light, Penetanguishene, Ont.

Mary Louise, stm., 60 tons, 77 ft. (1902), Jehoida Coon, Morton, Ont.

Mary R., stm., 44 tons, 47 ft. (1897), David McLeod, Port Colborne.

‡Masaba, stm., 1913 tons, 240 ft. (1891), Mathews S. S. Co., Ltd., Toronto, Ont.

Mascot, stm., 8 tons, 36 ft. (1900), George Drewry, Kenora, Ont.

Mascott, stm., 21 tons, 52 ft. (1890), James Pilgrim, Meaford.

Masonic, stm., 39 tons, 58 ft. (1893), Wm. C. Gidley, Hamilton.

Massachusetts, stm., 1530 tons, 244 ft. (1882), F. E. Hall, Montreal, Que.

‡Massawippi, stm., 4 tons, 40 ft. (1895), Jos. J. Sampson, North Hatley, Que.

Mather, stm., 145 tons, 87 ft. (1905), Keewatin Lumber Co., Ltd., Keewatin, Ont.

Matheson (formerly Antelope), stm., 20 tons, 42 ft. (1877), John R. Matheson, Sault Ste. Marie, Ont.

‡Mathida, stm., 114 tons, 72 ft. (1899), Sincennes McNaughton Line, Ltd., Montreal, Que.

Mattawan, stm., 22 tons, 50 ft. (1876), Canadian Pac. Ry. Co., Montreal, Que.

‡Matthews, W. D., stm., 3965 tons, 366 ft. (1903), St. Lawrence & Chicago Steam Nav. Co. Ltd., Toronto, Ont.

Mattie, gas, 2 tons, 22 ft. (1903), C. M. Hinks, Toronto, Ont.

Maud, stm., 4 tons, 32 ft. (1905), D. Reynolds, Dundas, Ont.

Maud, stm., 54 tons, 72 ft. (1874), Antoine St. Pierre, Three Rivers, Que.

Maud L., stm., 48 tons, 75 ft. (1907), Clarence E. and Edwin S. Pratt, Parry Sound, Ont.

Maud C., stm., 5 tons, 30 ft. (1897), Thos. Craigie, Rossport.

Maud D., stm., 81 tons, 71 ft. (1904), Walter G. Lumbers, Toronto, Ont.

Maude, stm., 19 tons, 60 ft. (1902), J. Cooper, Chatham.

Maxie, stm., 16 tons, 44 ft. (1898), F. R. Miller, et al., St. Catharines, Ont.

Max L., stm., 40 tons, 67 ft. (1911), Geo. A. Van Order, Port Burwell, Ont.

Maxwell, A., stm., 98 tons, 80 ft. (1890-1909), Don. McAulay, Southampton, Ont.

May, stm., 21 tons, 56 ft. (1893), W. D. B. Scott, Montreal, Que.

May, stm., 21 tons, 44 ft. (1881-1899), M. J. and W. J. Hackett, Quebec, Que.

May, stm., 3 tons, 25 ft. (1904), Frank Gustafson and A. Ralph, Kenora, Ont.

May, Allena, stm., 16 tons, 47 ft. (1897), H. Walker and Chas. J. Smith, Walkers Point, Ont.

May, Lulu, stm., 34 tons, 66 ft. (1910), Andrew Graham, Port Stanley, Ont.

May B., stm., 10 tons, 49 ft. (1900-1901), C. C. Bates, Clear Creek.

May C., gas, 4 tons, 29 ft. (1907), Erastus F. Cooke, Gananoque, Ont.

‡Mayflower, stm., 189 tons, 140 ft. (1890), Toronto Ferry Co. Ltd., Toronto, Ont.

May Flower, stm., 6 tons, 25 ft. (1897), Elizabeth Donnell, Peterborough.

‡Mayflower, paddle stm., 189 tons, 140 ft. (1890), Toronto Ferry Co. Ltd., Toronto.

May, Minnie, paddle stm., 10 tons, 42 ft. (1894), John R. Phillips, Coboconk.

May, Rosey, stm., 4 tons, 28 ft. (1898), John Bowman, Rossport, Ont.

Maytham, Geo., stm., 40 tons, 53 ft. (1870), D. B. McCrae, Meldrum Bay.

Mazeppa, stm., 146 tons, 101 ft. (1884), Lawrence Solman, Toronto.

‡Medora, stm., 377 tons, 142 ft. (1893), The Muskoka Lakes Nav. & Hotel Co. Ltd., Toronto.

Mehinac, stm., 65 tons, 70 ft. (1912), R. F. Grant, Three Rivers, Que.

Menodora, stm., 73 tons, 67 ft. (1901), Midland Towing & Wrecking Co. Ltd., Midland.

Merah II, gas, 12 tons, 37 ft. (1912), Cecile de W. Reid, Lachine, Que.

Mercier, Honorable, 84 tons, 80 ft. (1897), D. Perron and J. Bouchard, Grande Baie, Chicoutimi, Que.

Mermaid, stm., 11 tons, 32 ft. (1901), Dr. Henry A. Turner, Millbrook.

Merritt, C. H., stm., 122 tons, 85 ft. (1883), A. M. Clark, Marysburgh.

Meteor, stm., 299 tons, 130 ft. (1897), Temiscaming Nav. Co. Ltd., Mattawa, Ont.

Meteor, stm., 47 tons, 52 ft. (1902), Jas. Pendergast, Cornwall, Ont.

Michipicoten (formerly City of Windsor), stm., 511 tons, 117 ft., Neil McDougall, Marksville, Ont.

Midland (formerly D. L. White), stm., 56 tons, 62 ft. (1896), The Canada Iron Furnace Co. Ltd., Midland, Ont.

‡Midland King, stm., 3965 tons, 366 ft. (1903), James Playfair, M. O., Midland, Ont.

‡Midland Prince, stm., 6133 tons, 486 ft. (1907), Midland Nav. Co. Ltd., Midland, Ont.

‡Midland Queen, stm., 1993 tons, 249 ft. (1901), Midland Nav. Co., Midland.

Mignon, stm., 2 tons, 24 ft. (1894), C. G. Plamondon, Quebec, Que.

Mikado, stm., 25 tons, 40 ft. (1897), Mikado Gold Mining Co., Kenora, Ont.

Mildred, stm., 5 tons, 34 ft. (1895), J. A. Wheeler, Belleville.

‡Mildred, stm., 39 tons, 70 ft. (1903), E. R. Wood, Toronto.

Mills, stm., 11 tons, 38 ft. (1903), Gus Hamilton, Spanish, Ont.

Mills, J. E., str., 149 tons, 108 ft. (1883), F. J. Trotter, Amherstburg, Ont.

Milton, John (formerly Florence), stm., 14 tons, 48 ft. (1874-1905), Roger Miller & Sons, Ltd., Toronto, Ont.

Mina G., stm., 23 tons, 45 ft. (1910), Minister of Public Works, Ottawa, Ont.

Minawa, stm., 172 tons, 105 ft. (1908), Revillon Bros., Ltd., Montreal, Que.

Minch, Sophia, sail, 538 tons, 180 ft. (1873), Point Anne Quarries, Ltd., Toronto, Ont.

Mineta, stm., (see Halcro II).

Minitaga, stm., 73 tons, 77 ft. (1898), Robt. Weddell, Trenton, Ont.

‡Mink, stm. pa., 26 tons, 51 ft. (1896-1912), Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.

‡Mink, stm., 89 tons, 78 ft. (1912), Wm. Hanna, et al., Port Carling, Ont.

Minnehaha, stm., 2 tons, 27 ft. (1888), Sidney Smith, Port Arthur.

Minneola, stm., 9 tons, 32 ft. (1893), Glass Reef Gold Mining Co. Ltd., Little Mountain, Ont.

Minnette, stm., 4 tons, 36 ft. (1899), A. F. Bailey, Fox Point, Ont.

Minnewanka, stm., 5 tons, 31 ft. (1899), Canadian Pac. Ry. Co., Montreal, Que.

Minnicog, stm., 35 tons, 56 ft. (1902), D. S. Pratt, Midland, Ont.

Minnie C., stm., 7 tons, 34 ft. (1904), James Crawford, Moon River P. O., Parry Sound.

‡Minnie W., stm., 57 tons, 63 ft. (1911), Thunder Bay Contracting Co., Ltd., Port Arthur, Ont.

Minnitakie, stm., 18 tons, 45 ft. (1905), William H. Whalen, Fort William, Ont.

Minota, str., 29 tons, 65 ft. (1891), Huntsville, Lake of Bays & Lake Simcoe Nav. Co., Ltd., Huntsville, Ont.

Minota, stm., 35 tons, 63 ft. (1890), J. Bowman, Rossport.

Minouche, gas, 11 tons, 35 ft. (1908), Simon Cimon, Roberval, Que.

Mischief, stm., 9 tons, 31 ft. (1886), H. E. C. Carey, Bruce Mines.

Missisquoi, stm., 151 tons, 88 ft. (1903), Rockport Nav. Co. Ltd., Rockport, Ont.

Mississippi, stm., 4 tons, 36 ft. (1905), Wesley Cooke, Carleton Pl., Ont.

Mistassini, stm., 235 tons, 130 ft. (1891), E. F. Wurtele, Quebec, Que.

Mistongo, pa. stm., 81 tons, 71 ft. (1907), Thos. Walsh, Kenora, Ont.

Mizpah, stm., 28 tons, 51 ft. (1889-1909), David Rumley, Owen Sound, Ont.

Mocking Bird, stm., 38 tons, 72 ft. (1886), P. McArthur, Westbourne, Man.

‡Modjeska, stm., 678 tons, 178 ft. (1889), Niagara Nav. Co. Ltd., Toronto, Ont.

Mogul, dge., 168 tons, 83 ft. (1906), Lyon Cohen, Montreal, Que.

Mohawk, Belle (formerly Florence Main), stm., 130 tons, 82 ft. (1901-1908), Huntsville Lake of Bays & Lake Sincoe Nav. Co. Ltd., Huntsville.

Mohawk Queen, stm., 16 tons, 45 ft. (1904), Robert Weddell, Trenton, Ont.

Moiles, Annie, stm., 71 tons, 81 ft. (1865), Blind River Towing Co., Ltd., Sarnia, Ont.

Mollie, stm., 11 tons, 41 ft. (1897), J. J. McBain, Peterborough.

Mollie S., stm., 45 tons, 68 ft. (1901), Parkhurst Menary, Lion's Head, Ont.

Monaco, stm., 10 tons, 42 ft. (1888), J. H. Garth, Montreal, Que.

Monarch, stm., 73 tons, 84 ft. (1906), Wm. Buller, Peterboro, Ont.

Monarch, dge., 372 tons, 100 ft. (1906), Canadian Dredge & Construction Co. Ltd., Midland, Ont.

Monarque, stm., 136 tons, 109 ft. (1886), Jos. H. Dansereau, Vercheres, Que.

Moneta, stm., 1 ton, 20 ft. (1888), R. Lamb and J. Robertson, Ottawa, Ont.

Monitor, stm., 62 tons, 60 ft. (1899), Minister of Public Works, Ottawa.

Monitor, stm., 32 tons, 59 ft. (1863), Joachim Hogue, Valleyfield, Que.

Mons Meg (formerly William Armstrong), drill boat, 291 tons, 105 ft. (1876), Robert Weddell, Trenton, Ont.

Montmorency, stm., 18 tons, 35 ft. (1889), W. J. Poupore, Montreal, Que.

‡Montreal, stm., 4282 tons, 332 ft. (1904), Richelieu & Ontario Nav. Co., Montreal, Que.

Moore, C. W., stm., 428 tons, 124 ft. (1881), Dominion Fish Co. Ltd., Toronto, Ont.

Moore, Daisy, stm., 38 tons, 57 ft. (1884-1900), Rat Portage Cold Storage & Produce Co., Ltd., Kenora, Ont.

Moore, John R., stm., 63 tons, 68 ft. (1911), J. R. Moore, Port Stanley, Ont.

Moore, John R., stm., 63 tons, 68 ft. (1911), John R. Moore, Port Stanley, Ont.

Moose, dredge, 233 tons, 80 ft. (1909), J. T. Horne, Port Arthur, Ont.

Moosie, gas, 5 tons, 34 ft. (1912), John Garth, Montreal, Que.

Morgan, James, stm., 21 tons, 52 ft. (1906), Lyon Cohen, Montreal, Que.

Morgan, The, stm., 50 tons, 70 ft. (1911), C. F. & T. H. Morgan, Port Stanley, Ont.

Morinus, stm., 10 tons, 47 ft. (1904), Wm. Robinson, Kingston.

‡Morning Star, stm., 72 tons, 95 ft. (1907), Clifford Sifton, Ottawa, Ont.

Morning Star, stm., 5 tons, 34 ft. (1894), Jos. Goodwin, Toronto.

Morrell, R. J., stm., 40 tons, 68 ft. (1901), James Pilgrim, Meaford.

Morrison, George D., stm., 23 tons, 57 ft. (1905), William Morrison, Kincardine, Ont.

Morrison, J. D., stm., 116 tons, 78 ft, (1907), Canadian Towing & Wrecking Co. Ltd., Port Arthur, Ont.

Moses, bge., 41 tons, 61 ft. (1881), Gilbert Blasting & Dredging Co. Ltd., Montreal, Que.

Motor Queen (formerly Supply), gas, 20 tons, 50 ft. (1904), Queen City Oil Co., Ltd., Toronto, Ont.

Mountain Maid, stm., 118 tons, 101 ft. (1850-1879), I. Futvoge, St. Johns, Que.

M. T. Co. No. 1, stm., 148 tons, 84 ft. (1871), Montreal Transp. Co. Ltd., Montreal, Que.

Mudpout, stm., 34 tons, 40 ft. (1904), E. B. Eddy Co. Ltd., Hull, Que.

Muriel, stm., 16 tons, 35 ft. (1905), W. H. Whalen, Ft. William, Ont.

Muriel, stm., 64 tons, 69 ft. (1902), William Price, Quebec, Que.

Murphy, Julia, dredge, 108 tons, 55 ft. (1911), J. L. Kennedy, Garden River, Ont.

Murphy, W. L., stm., 80 tons, 88 ft. (1912), John Ryan, Pembroke, Ont.

‡Murray Bay (formerly Carolina), paddle stm., 969 tons, 251 ft. (1877), Richelieu & Ont. Nav. Co., Montreal.

Muskoka, paddle stm., 22 tons, 36 ft. (——), Gilmour & Co., Trenton.

Muskrat, stm., 35 tons, 52 ft. (1908), Upper Ottawa Improvement Co. Ltd., Ottawa, Ont.

Myra, stm., 73 tons, 82 ft. (1884), James Buckey, Prescott.

Myron B., stm., 16 tons, 48 ft. (1885), Walter H. Hawkins et al., Little Current.

Myrtle, stm., 9 tons, 39 ft. (1880), David Ward, Toronto.

Myrtle, stm., 5 tons, 33 ft. (1901), Roland Gordon, Peterborough, Ont.

Myrtle, gas, 9 tons, 40 ft. (1904), Mrs. Elizabeth Michouer, Tp. of Bertie, Welland Co., Ont.

N

Nahma, stm., 7 tons, 34 ft. (1898), A. J. McComber, Port Arthur, Ont.

‡Naiad, stm., 29 tons, 68 ft. (1890), H. S. Sanford, Hamilton.

Naiad, stm., 15 tons, 51 ft. (1888), Minister of Public Works, Toronto, Ont.

Nama, stm., 42 tons, 75 ft. (1887), Geo. Weir, Montreal, Que.

Naniwa, stm., 12 tons, 54 ft. (1903), F. J. Phillips, Toronto.

Nap, stm., 1 ton, 25 ft. (1893), N. Tessier, Hull, Que.

Napierville, stm., 165 tons, 124 ft. (1883-1899), Mrs. Arthemise Robert, Montreal, Que.

‡Natashquan (formerly Polino), stm., 991 tons, 199 ft. (1870), National Navigation Co. Ltd., Quebec, Can.

Nathalie R., stm., 55 tons, 63 ft. (1912), Sincennes-McNaughton Line, Ltd., Montreal, Que.

National, stm., 18 tons, 39 ft. (1903), Corporation of the City of Toronto.

Navajo, stm., 179 tons, 108 ft. (1895), G. A. & H. W. Richardson, Kingston.

Navarch, stm., 20 tons, 51 ft. (——), Minister of Public Works & Fisheries, Toronto, Ont.

Neaniskos, gas, 21 tons, 60 ft. (1911), Peterboro Canoe Co., Ltd., Peterboro, Ont.

‡Neepawah, stm., 1799 tons, 244 ft. (1903), Neepawah S. S. Co., Ltd., Hamilton, Ont.

Nehoc, dredge, 146 tons, 79 ft. (1908), Lyon Cohen, Montreal, Que.

Nelley, J., stm., 31 tons, 52 ft. (1911), Armstrong Trading Co., Ltd., Portage la Prairie, Man.

Nellie, stm., 7 tons, 39 ft. (1882), J. N. Leeman, Smith's Falls.

Nellie S., stm., 3 tons, 20 ft. (1885), Geo. Sutherland, Essex Centre, Ont.

Nellie T., stm., 5 tons, 36 ft. (1894), Michael Dovey, Lindsay.

Neptune, stm., 11 tons, 33 ft. (1889), John Breakey, Quebec, Que.

Nettie B., stm., 12 tons, 38 ft. (1906), F. T. James Co., Ltd., Toronto, Ont.

‡Newona, stm., 2179 tons, 250 ft. (1909), Canada Atlantic Transit Co., Montreal, Que.

Newport, stm., 12 tons, 47 ft. (1879), H. H. Caswell, Newport, Vt., U. S. A.

New York, stm., 311 tons, 126 ft. (1870), H. A. Chillas, Nicolet, Que.

‡Niagara, stm., 396 tons, 159 ft. (1856-1901), Lake Coast Trading Co., Ltd., Port Arthur, Ont.

Nightingale, stm., 5 tons, 33 ft. (1905), Thos. Dufresne, Kenora, Ont.

Nile, stm., 28 tons, 71 ft. (1894), Minister of Public Works, Ottawa.

Nilka, stm., 1 ton, 24 ft. (1897), John Jamieson et al., Ottawa.

Nina, stm., 11 tons, 32 ft. (1889), J. Cooper, Chatham.

Nina, stm., 3 tons, 24 ft. (1903), Mrs. Asenath A. Glanville, Cutler, Ont.

Nipigon, stm., 36 tons, 57 ft. (1908), A. Robertson, Nipigon, Ont.

‡Nipissing, stm., 275 tons, 125 ft. (1887), Muskoka Lakes Nav. & Hotel Co. Ltd., Toronto.

Niska, stm., 9 tons, 36 ft. (1897), Robt. J. Stroud, Milford Bay.

Nitche, stm., 19 tons, 39 ft. (1911), Randolph-Macdonald Co., Ltd., Toronto, Ont.

Nobby, stm., 2 tons, 25 ft. (1883), Thos. Robson, Fenelon Falls.

Noble, John J., stm., 33 tons, 68 ft. (1901), Dominion Fish Co. Ltd., Winnipeg, Man.

Nocross, stm., 20 tons, 45 ft. (1887), The French River Boom Co., Toronto.

Nokomis, stm., 25 tons, 55 ft. (1887), W. C. Edwards, Rockland.

Nomad, gas, 19 tons, 48 ft. (1906), G. W. & W. M. Birks, Montreal, Que.

Nora, stm., 20 tons, 44 ft. (1895), D. L. Mather, Kenora, Ont.

Nora, stm., 28 tons, 50 ft. (1886), The Minister of Public Works, Ottawa, Ont.

Nord, stm., 56 tons, 62 ft. (1902), André Donaldson, Peribonca, Que.

Norfolk, stm., 32 tons, 62 ft. (1907), F. W. Doty, Goderich, Ont.

North, stm., 289 tons, 132 ft. (1886), Quebec & Levis Ferry Co. Ltd., Quebec, Que.

Northern Belle, stm., 222 tons, 104 ft. (1905), French River & Nipissing Nav. Co. Ltd., Sturgeon Falls, Que.

Northern Light, stm., 17 tons, 32 ft. (1903), G. H. Draper, Kenora, Ont.

North King, paddle stm., 873 tons, 175 ft. (1868-1891), Lake Ont. & Bay of Quinte Stbt. Co. Ltd., Kingston.

North River, stm., 22 tons, 50 ft. (1899), McLachlin Bros. Ltd., Arnprior, Ont.

Norway Belle, gas pa., 46 tons, 66 ft. (1905), A. McFarlane, Bristol, Que.

Notter, G. H., stm., 33 tons, 51 ft. (1912), W. C. Edwards Co., Ltd., Rockland, Ont.

Nymoca, stm., 51 tons, 72 ft. (1896 and 1906), G. F. Beaumont, Muskoka.

Nymph, stm., 84 tons, 72 ft. (1902 and 1907), Peter Campbell, Gravenhurst, Ont.

No. 6, dge., 171 tons, 71 ft. (1902), Gaspard Deserres, Montreal, Que.

O

O'Brien, Julian V., stm., 59 tons, 70 ft. (1888—rebuilt 1892), Wm. E. Bigwood, Toronto, Ont.

O'Brien, M. J., stm., 253 tons, 100 ft. (1909), New Ontario Trans. Co. Ltd., Port Arthur, Ont.

Ocean Lily, stm., 3 tons, 29 ft. (1887), Edward Brooks, Red Bay.

Ogemah, paddle stm., 72 tons, 85 ft. (1889), Trent Valley Nav. Co. Ltd., Bobcaygeon.

Oggel, E. C., stm., 26 tons, 53 ft. (1874), Harry W. Ansley, Port Dover, Ont.

Ojibawaya, stm., 1 ton, 16 ft. (1902), Mrs. F. A. Price, Missanaga.

Oldfield, W. S., stm., 15 tons, 42 ft. (1898), Geo. Gorrell & John Mossip, Tp. of Moulton, Ont.

Olga, stm., 5 tons, 33 ft. (1896), John McLaren, Brockville.

Olive, stm., 2 tons, 25 ft. (1895), G. W. Leach et al., North Bay.

Ombabika, stm., 76 tons, 70 ft. (1906), Revillion Bros. Ltd., Montreal, Que.

Ona, stm., 9 tons, 36 ft. (1887), Bertram Yates, Penetanguishene, Ont.

Onaganoh, stm., 19 tons, 47 ft. (1887), H. Fraser, Port Cockburn, Ont.

Onaping, stm., 256 tons, 120 ft. (1870), Jno. Charlton, Lynedoch.

Onawa, gas, 2 tons, 29 ft. (1904), Wm. J. Reid, Gananoque.

Ongiara, stm., 98 tons, 90 ft. (1885), The Niagara Nav. Co., Ltd., Toronto, Ont.

Ontario, stm., 11 tons, 43 ft. (1881), R. Walker, Township of Wood.

Ontario, paddle stmr., 80 tons, 58 ft. (1868), J. Thurston, Lindsay.

‡Ontario, stm., 1615 tons, 297 ft. (1890), Canadian Pacific Ry. Co., Montreal, Que.

‡Ontario No. 1, stm., 5146 tons, 317 ft. (1907), The Ontario Car Ferry Co., Ltd., Montreal, Que.

Ontario, bge., 228 tons, 127 ft. (1874), P. LaPlante, Lachine, Que.

Ontaritze, stm., 18 tons, 43 ft. (1902), Harold Kennedy, Quebec, Que.

Onward, stm., 22 tons, 57 ft. (1902), John McGaw, Kincardine.

Oose River, stm., 16 tons, 45 ft. (1909), Chas. Ross, Port Maitland, Ont.

‡Opeongo, stm. pa., 121 tons, 104 ft. (1909), McLachlin Bros., Ltd., Arnprior, Ont.

Ophir, stm., 11 tons, 41 ft. (1902), Milton Pearce, Parry Sound.

Orca, gas, 4 tons, 34 ft. (1905), A. F. Macnee, Kingston, Ont.

Orcadia, stm., 26 tons, 52 ft. (1894), John Bowman, Rossport.

Orcadia, stm., 23 tons, 54 ft. (1888), Victor Pelletier and Peter Deslaurier, Port Arthur, Ont.

Oriana, stm., 68 tons, 79 ft. (1903), Strachan Johnston, Toronto, Ont.

Oriole, stm., 75 tons, 75 ft. (1886), Muskoka Lakes Nav. & Hotel Co., Ltd., Toronto.

Oriska, stm., 6 tons, 38 ft. (1903), Wm. Morris, Toronto, Ont.

Osborne, T., stm., 25 tons, 53 ft. (1893), T. Osborne, Hull, Que.

Orleans, stm., 269 tons, 118 ft. (1898), La Compagnie Maritime et Industrielle de Levis, Que.

Oro, stm., 2 tons, 25 ft. (1898), Grace Mining Co., Ltd., Ridgeway, Ont.

Orvil, stm., 7 tons, 34 ft. (1909), John Cunningham, Gaudette, Que.

Oscar C., gas, 18 tons, 48 ft. (1908), James B. Oliver, Magog, Que.

‡Osler, E. B., stm., 6787 tons, 491 ft. (1908), St. Lawrence & Chicago Steam Nav. Co., Ltd., Toronto, Ont.

Osprey, stm., 6 tons, 32 ft. (1895), Chas. Britton, Haileybury, Ont.

Osprey, stm., 42 tons, 72 ft. (1902), James Purvis, Gore Bay.

Ossifrage, stm., 632 tons, 161 ft. (1886), Wm. Ball, Chatham, Ont.

Otonabee, stm., 136 tons, 111 ft. (1907), Wm. Buller, Peterboro, Ont.

Ott, stm., 9 tons, 34 ft. (1910), Albert Scriver, Hastings, Ont.

Ottawa, stm., 21 tons, 56 ft. (1888), Minister of Public Works, Ottawa.

Ottawa, stm., 1 ton, 26 ft. (1887), H. F. and Claude McLachlin, Arnprior, Ont.

Ottawa, dredge, 130 tons, 76 ft. (1889), Montreal General Contracting Co., Ltd., Montreal, Que.

‡Ottawan, stm., 311 tons, 108 ft. (1904), Ottawa Transportation Co., Ltd., Ottawa.

Otter, stm., 16 tons, 40 ft. (1905), Armstrong Trading Co., Ltd., Portage la Prairie, Man.

Otter, stm., 3 tons, 25 ft. (1899), R. J. Durley, Montreal, Que.

Otter, stm., 21 tons, 48 ft. (1895), John Lumsden, Ottawa, Ont.

Ouananiche, gas, 12 tons, 36 ft. (1912), D. W. Ross, Jr., Westmount, Que.

Outlet Queen, stm., 18 tons, 43 ft. (1888), Wm. Black, Belleville.

Ovide, stm., 17 tons, 58 ft. (1897), Joseph Paul, Sorel, Que.

Owen, stm., (see Trotter, Marion E.).

Owlet, gas, 16 tons, 43 ft. (1907), Jas. B. Paterson, Montreal, Que.

Oxner, Lena F., 99 tons, 88 ft. (1899), E. Heppel, Bic, Que.

P

P. W. D. No. 109 (formerly Industry), dredge, 766 tons, 133 ft. (1905), The Minister of Public Works, Ottawa, Ont.

‡P. W. D. No. 110, dredge, 458 tons, 109 ft. (1896), The Minister of Public Works, Ottawa, Ont.

‡P. W. D. No. 116, dredge, 375 tons, 91 ft. (1904), The Minister of Public Works, Ottawa, Ont.

Paine, J. B., stm., 11 tons, 40 ft. (1906), John C. Holtby, Toronto, Ont.

‡Paipoonge (formerly Corona), stm., 2517 tons, 292 ft. (1888), Canadian North West S. S. Co., Ltd., Port Arthur, Ont.

Panna, gas, 3 tons, 31 ft. (1908), Jean J. Crete, Grandes Piles, Que.

Pappoose, stm., 57 tons, 71 ft. (1893), Alfred H. Clark, Windsor.

Parnell, C. S., stm., 17 tons, 45 ft. (1891), Cie Etienne Dussault, Levis, Que.

Partha, paddle stmr., 198 tons, 126 ft. (1896), The Calvin Co., Ltd., Garden Island.

‡Pattee, G. B. II, stm., 51 tons, 61 ft. (1904), Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.

Paul, F., stm., 18 tons, 54 ft. (1909), Alphonse Desrochers, Sorel, Que.

Paul, J., stm., 19 tons, 40 ft. (1901), Ovide Paul, Sorel, Que.

Paul, J. A., stm., 49 tons, 71 ft. (1906), J. L. B. Leclaire, Sorel, Que.

Paul, L., stm., 23 tons, 55 ft. (1909), Alphonse Desrochers, Sorel, Que.

Paul, O., stm., 57 tons, 61 ft. (1911), Jos. Paul, Sorel, Que.

Paul, R., stm., 61 tons, 80 ft. (1911), Alphonse Guertin, St. Charles-Richelieu, Que.

Paul, William, stm., 7 tons, 41 ft. (1888), H. Larose, Pierreville, Que.

Pearl, stm., 6 tons, 35 ft. (1902), Robt. G. Aird, Parry Sound.

Pearl, stm., 6 tons, 35 ft. (1889), James Lewis, Bobcaygeon.

Pearl, stm., 8 tons, 30 ft. (1885), H. Calcutt, Peterborough.

‡Peel, stm., 205 tons, 91 ft. (1909), Minister of Public Works, Ottawa, Ont.

Peltier, dredge, 257 tons, 93 ft. (1906), Windsor Dredging Co., Ltd., Windsor, Ont.

‡Pembroke, stm., 194 tons, 104 ft. (1895), Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.

Penetang, stm., 100 tons, 82 ft. (1901), First Brook Box Co., Ltd., Toronto.

Pennsylvania, stm., 428 tons, 158 ft. (1901), St. Lawrence Trans. Co., Ltd., Toronto.

Perew, Frank, 43 tons, 72 ft. (1867), Minister of Railways and Canals, Ottawa.

Peribonca, stm. pa., 179 tons, 90 ft. (1892), Benjamin A. Scott, Quebec, Que.

Perseverance, sail, 48 tons, 66 ft. (1877), Hermengilde Caron, Tadousac, Que.

Persia, barge, 284 tons, 141 ft. (1873 & 1910), Touzin Sand Co., Ltd., Montreal, Que.

Petit Jean, gas, 17 tons, 35 ft. (1906), Jean J. Crete, Grandes Piles, Que.

Petit St. Laurent, stm., 10 tons, 39 ft. (1904), J. A. Petit and A. St. Laurent, Grand Mere, Que.

Petrel, stm., 346 tons, 129 ft. (1892), Collin's Bay Rafting & Forwarding Co., Kingston.

Petrie, A. M., stm., 20 tons, 50 ft. (1892), James Garrett, Herring Bay, Ont.

Pewabic, stm., 29 tons, 48 ft. (1906), Nepigon Construction Co., Ltd., Nepigon, Ont.

Phillips, Harold B., stm., 66 tons, 59 ft. (1880), C. S. Boone, Toronto, Ont.

Phoenix, stm., 29 tons, 50 ft. (1900), Huntsville, Lake of Bays & Lake Simcoe Nav. Co., Ltd., Huntsville.

Phyllis, stm., 2 tons, 21 ft. (——), L. Walsh and W. C. Dalton, Port Arthur, Ont.

Pickett, stm., 45 tons, 75 ft. (1887), E. J. and A. S. Nuttall, Port Arthur, Ont.

Pierrepont, stm., 252 tons, 123 ft. (1871), St. Lawrence River Steamboat Co., Ltd., Kingston, Ont.

Pierreville, stm., 121 tons, 100 ft. (1906), Ida Niquette, Pierreville, Que.

‡Pikouagami, stm., 57 tons, 65 ft. (1906), Geo. Lindsay, Tp. of Tailon, Lake St. John, Que.

Pilgrim, stm., 262 tons, 122 ft. (1884), H. S. Folger, Kingston.

Pilot, stm., 427 tons, 109 ft. (1884), Quebec & Levis Ferry Co., Ltd., Quebec, Que.

Pioneer, stm., 28 tons, 49 ft. (1879), H. C. Rothwell, Kingston.

Playfair, James, stm., 26 tons, 50 ft. (1894), Erwin Tedford, Port Burwell, Ont.

†Plessis, stm., 559 tons, 120 ft. (1910), Levis Ferry, Ltd., Levis, Que.

Pocahontas, stm., 56 tons, 68 ft. (1904), J. G. Sampson, North Hatley, Que.

‡Polana, stm., 296 tons, 107 ft. (1911), Minister of Agriculture, Ottawa, Ont.

Polaris, stm., 533 tons, 118 ft. (1883), Quebec & Levis Ferry Co., Ltd., Quebec, Que.

Pole Nord, stm., 4 tons, 30 ft. (1899), Jos. M. Rosseau, Quebec, Que.

‡Pollux, stm. pa., 88 tons, 66 ft. (1907), Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.

Pontiac, stm., 15 tons, 40 ft. (1903), Peter Whelen, Ottawa, Ont.

Pontiac, dge., 135 tons, 83 ft. (1890), W. J. Poupore, Montreal, Que.

‡Port Colborne, stm. (——), (1910), R. A. Carter, Toronto, Ont.

Port Elgin Queen, stm., 37 tons, 52 ft. (1886), Wm. Gillies, et al., Tp. of St. Edmond Co., Bruce, Ont.

Porter, Lloyd S., stm., 489 tons, 159 ft. (1893), The Ontario & Quebec Nav. Co., Ltd., Picton, Ont.

Portneuf, stm., 39 tons, 59 ft. (1906), A. J. Lalonde, Kingston, Ont.

Poupore, W. J., stm., 47 tons, 70 ft. (1881), Lyon Cohen, Montreal, Que.

Powell, C. B., stm., 272 tons, 139 ft. (1887), Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.

‡Pratt, D. S., stm., 161 tons, 81 ft. (1911), Canadian Dredging Co., Ltd., Midland, Ont.

‡Pratt, John, stm., 166 tons, 80 ft. (1911), Sincennes-McNaughton Line, Ltd., Montreal, Que.

Prefontaine, stm., 899 tons, 202 ft. (1896-1898-1903), J. M. Malo, Montreal, Que.

Premier, stm., 337 tons, 130 ft. (1888), (formerly Lincoln), St. Joe Island & Sault Line, Ltd., Sault Ste. Marie, Ont.

Prevost, H., stm., 2 tons, 28 ft. (1912), H. Prevost, Varennes, Que.

Price, W. H., stm., 13 tons, 38 ft. (1903), J. H. Daball, Parry Sound, Ont.

Prima, stm., 8 tons, 34 ft. (1898-1906), Upper Ontario Steamboat Co., Ltd., New Liskeard, Ont.

‡Primrose, paddle stmr., 189 tons, 140 ft. (1890), Toronto Ferry Co., Ltd., Toronto, Ont.

Primrose, stm., 23 tons, 53 ft. (1899), Mrs. Elizabeth E. McInnes, Meaford, Ont.

Prince, gas, 3 tons, 27 ft. (1905), Neil Brunsel, Kenora, Ont.

Prince Alfred, stm., 20 tons, 60 ft. (1867), Mrs. S. E. Miller, Gore Bay, Ont.

Prince Edward Ferry, paddle stmr., 18 tons, 58 ft. (1885), Wm. Powles, Deseronto.

Prince Guy, dge., 261 tons, 99 ft. (1903), W. J. Poupore, Westmount, Que.

Prince Louis, dge., 208 tons, 73 ft. (1902), W. J. Poupore, Westmount, Que.

Prince Willie, dge., 258 tons, 100 ft. (1908), W. J. Poupore Co., Ltd., Montreal, Que.

‡Prince Rupert, stm., 1908 tons, 249 ft. (1908), Kingston Shipping Co., Ltd., Kingston, Ont.

Princess, stm., 527 tons, 142 ft. (1872), Central Ry. Co. of Canada, Montreal, Que.

Princess Louise, stm., 26 tons, 67 ft. (1879 and 1888), A. Smallman, Dundee, Que.

Priscilla, stm., 20 tons, 53 ft. (1897), Mrs. Emma Mickle, Gravenhurst, Ont.

Puffing Billy, gas, 3 tons, 24 ft. (1905), J. C. Cautley, Minnicoganashene, Ont.

Pukwana (formerly Willowdee), stm., 14 tons, 54 ft. (1903), Wm. Morris, Toronto, Ont.

Puritan, stm., 6 tons, 41 ft. (1901), Priscilla Steam Yacht Co., Ltd., Toronto.

Q

Quebec, stm., 108 tons, 110 ft. (1867), H. F. Cumming, Cornwall.

‡Quebec, paddle stmr., 3498 tons, 311 ft. (1865 and 1907), Richelieu & Ont. Nav. Co., Montreal, Que.

Quebec, stm., 5 tons, 31 ft. (1907), Temiskaming Nav. Co., Ltd., Mattawa, Ont.

Queen, stm., 15 tons, 50 ft. (1899), R. Farries, et al., North Bay, Ont.

Queen, stm., 367 tons, 117 ft. (1886), Quebec & Levis Ferry Co., Ltd., Quebec, Que.

‡Queen of Temagami, stm., 36 tons, 71 ft. (1909), Temagami Steamboat & Hotel Co., Ltd., Temagami, Ont.

Queen of the Isles, 40 tons, 72 ft. (1885), Muskoka Leather Co., Ltd., Toronto, Ont.

Quinte Chief, drill boat, 210 tons, 89 ft. (1908), Robt. Weddell, Trenton, Ont.

Quinte Queen (formerly Salaberry), stm., 203 tons, 99 ft. (1902), Belle Isle Park Co., Ltd., Ottawa, Ont.

R

Pacey (formerly Planet), stm., 25 tons, 55 ft. (1903), H. W. Ansley, Port Dover, Ont.

†Racine, Alphonse, stm., 121 tons, 79 ft. (1904), Harbor Comrs., Montreal, Que.

Rainbow, stm., 56 tons, 90 ft. (1901-1909), Francis Burnett, Birdsall, Ont.

Ralph C., gas, 12 tons, 32 ft. (1908), W. W. Carter, Fesserton, Ont.

‡Rambler, stm., 39 tons, 70 ft. (1903), Mrs. Isabelle McKinnon, Toronto.

‡Rambler, stm., 26 tons, 47 ft. (1896), C. G. Pennock and E. F. Kendall, Kenora, Ont.

Rambler, stm., 6 tons, 48 ft. (1898), W. J. Spears, Tobermory, Ont.

Ramona, stm. (formerly Dortha), 102 tons, 77 ft. (1894-1908), Huntsville Lake of Bays & Lake Simcoe Nav. Co., Ltd., Huntsville, Ont.

Randall, John, 166 tons, 104 ft. (1905), John Randall, Seeley's Bay, Ont.

Randolph, stm., 17 tons, 42 ft. (1890), Mrs. Sarah C. Malone, Trois Rivieres, Que.

Ranger, stm., 14 tons, 46 ft. (1888), Thomas Walsh, Kenora, Ont.

Ranger, stm., 8 tons, 44 ft. (1888), Wm. Parker, Sandwich.

Ranger, paddle stmr., 53 tons, 74 ft. (1884), Geo. Crandell, Lindsay.

Ranney, Gertrude A., stm., 14 tons, 42 ft. (1888), Noble Bros. Co., Ltd., Owen Sound.

‡Rapids King, stm., 1801 tons, 239 ft. (1907), Richelieu & Ontario Nav. Co., Montreal, Que.

‡Rapids Prince, stm., 1384 tons, 196 ft. (1911), Richelieu & Ontario Nav. Co., Ltd., Montreal, Que.

‡Rapids Queen, stm., (formerly Columbian & Brockville), 1307 tons, 194 ft. (1892-01-09), Richelieu & Ontario Nav. Co., Montreal, Que.

Rat Portage, stm., 15 tons, 38 ft. (1905), Rat Portage Lumber Co., St. Boniface, Man.

Ray, Lulu M., stm., 33 tons, 56 ft. (1888), Samuel Forrest, Fort William, Ont.

Ray C., stm., 29 tons, 59 ft. (1908), Lyon Cohen, Montreal, Que.

Read, C. E., stm., 13 tons, 42 ft. (1894), W. H. Hurdman, Ottawa, Ont.

Recluse, stm., 3 tons, 18 ft. (1887), E. H. Bissett, Brockville.

‡Regina, stm., 1957 tons, 249 ft. (1907), Canada Interlake Line, Ltd., Toronto, Ont.

Reginald, stm., 265 tons, 120 ft. (1894), The Victoria Harbor Lumber Co., Ltd., Toronto, Ont.

Reid, Aggie B. (formerly Victor), stm., 17 tons, 43 ft. (1897), R. C. Reid, Cockburn Island, Ont.

Reid, Ethyll, stm., 36 tons, 63 ft. (1904), W. A. Clark, Collingwood.

‡Reid, James (formerly Protector), stm., 181 tons, 117 ft. (1875), Reid Wrecking Co., Ltd., Sarnia.

Reid, Nellie, (see Weaver, R. G. A.).

Reina, stm., 4 tons, 30 ft. (1905), F. St. Louis, Hull, Que.

Reliance, stm., 239 tons, 120 ft. (1881), Ontario & Quebec Nav. Co., Ltd., Picton, Ont.

Reliance, stm., 311 tons, 124 ft. (1892), Jos. Ganley, Sault Ste. Marie, Ont.

Reliance C., gas, 19 tons, 47 ft. (1911), Wm. Kervin, Callander, Ont.

‡Renvoyle, stm., 1830 tons, 250 ft. (1910), Canada Interlake Line, Ltd., Toronto, Ont.

Rescue, stm., 52 tons, 62 ft. (1885), Mrs. Alex B. McLean, Sault Ste. Marie, Ont.

Rescue, stm., 7 tons, 41 ft. (1886), Mrs. Mary C. McMurchy and Alicia C. McMurchy, Toronto, Ont.

Rescue, stm., 1 ton, 41 ft. (1886), Mrs. Mary C. McMurchy and A. C. McMurchy, Toronto, Ont.

Reserve, stm., 49 tons, 61 ft. (1884), Minister of Marine and Fisheries, Ottawa.

Reta, stm., 2 tons, 35 ft. (1902), M. W. Clifford, Lakefield, Ont.

Retta, stm., 2 tons, 29 ft. (1899), Jos. Brown, Lindsay.

Rex, stm., 13 tons, 59 ft. (1893), G. F. Benson, Montreal, Que.

Rhoda, stm., 182 tons, 132 ft. (1874), King Edward Park Co., Ltd., Montreal, Que.

Rhoda May, stm., 18 tons, 50 ft. (1877), A. P. Ross, Cornwall.

Rhodes, Robert R., stm., 1599 tons, 246 ft. (1887), F. E. Hall, Montreal, Que.

Ride-a-wee, gas, 6 tons, 27 ft. (1909), S. B. Cook, Long Point, Ont.

Rideau, dge., 137 tons, 71 ft. (1889), Minister of Railways and Canals, Ottawa, Ont.

Rideau King, stm., 266 tons, 107 ft. (1893), The Rideau Lakes Nav. Co., Ltd., Kingston, Ont.

Rideau Queen, stm., 351 tons, 108 ft. (1900), Rideau Lakes Nav. Co., Ltd., Kingston.

Ripple, stm., 13 tons, 39 ft. (1902), J. S. Thom, Quebec, Que.

Ripple, stm., 5 tons, 32 ft. (1892), Peter Chesterfield, Richard's Landing.

Ripple, stm., 2 tons, 15 ft. (1902), J. P. Gibbons, Port Colbourne.

Rival, stm., 125 tons, 120 ft. (1873), Sincennes McNaughton Line, Ltd., Montreal, Que.

River Belle, stm., 14 tons, 40 ft. (1891), Daniel Johnson, Combermere, Ont.

River View, gas, 5 tons, 29 ft. (1903), F. Shipman, Ivy Lea, Ont.

Riviere du Loup, stm. pa., 199 tons, 105 ft. (1873-1895), Narcisse Auclair, L'Assomption, Que.

‡Robinson, Hiram, stm., 203 tons, 110 ft. (1910), Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.

Rob Roy, stm., 5 tons, 30 ft. (1899), Norman Bennett, Orillia.

Rob Roy, stm., 13 tons, 41 ft. (1900 and 1904), Jos. G. Levasseur, Peterborough.

‡Roberval, stm., 344 tons, 128 ft. (1907), Hall & Eligh, Ltd., Ottawa, Ont.

Robidoux, W., dredge, 128 tons, 85 ft. (1912), Moise Robidoux, Yamaska, Que.

Robidoux, L., stm., 43 tons, 50 ft. (1912), Moise Robidoux, Yamaska, Que.

Rock, stm., 14 tons, 43 ft. (1883), James Anderson, Midland.

Rockaway, paddle stmr., 7 tons, 36 ft. (1901), T. H. DeCew, Fenelon Falls.

Rockbreaker No. 1, scow, 146 tons, 99 ft. (1908), F. D. Brown, Toronto, & J. A. Aylmer, Peterboro, Ont.

Rock Ferry, stm., 1454 tons, 237 ft. (1882), Fairhaven Transportation & Coal Co., Ltd., Montreal, Que.

Rockland, stm., 75 tons, 76 ft. (1912), G. Charron & H. Brais, Gatineau Point, Que.

Rodolphi, stm., 116 tons, 101 ft. (1885), Louis Tourville, Montreal, Que.

Rolph, John (formerly Resolute), stm., 421 tons, 137 ft. (1883), Point Anne Quarries, Ltd., Toronto, Ont.

Rooney, Wm. E., stm., 11 tons, 40 ft. (1902), Jas. Lee, Wallaceburg, Ont.

Rooth, Wm. A., stm., 52 tons, 81 ft. (1871), The Great Lakes Towing Co., Ltd., Sarnia.

Roque, Russell (formerly Camilla), 39 tons, 66 ft. (1890-1909), Joseph Roque, Killarney, Ont.

Rosa, stm., 26 tons, 46 ft. (1902), Mrs. Louisa Blanchard, St. Hyacinthe, Que.

‡Rosalie L., stm., 74 tons, 61 ft. (1912), Sincennes-McNaughton Line, Ltd., Montreal, Que.

Rosalind C., gas, 18 tons, 47 ft. (1910), John Kerwin, Callendar, Ont.

Rosamond, stm., 23 tons, 48 ft. (1883), Jas. F. Canniff, Toronto, Ont.

‡Rosedale, stm., 1507 tons, 246 ft. (1888), Rosedale Limited, Hamilton, Ont.

Rose, Emma, stm., 11 tons, 45 ft. (1900), St. Gabriel Lumber Co. Ltd., Montreal, Que.

‡Rosemount, stm., 1580 tons, 245 ft. (1896), Montreal Trans. Co. Ltd., Montreal, Que.

Rosena, stm., 6 tons, 33 ft. (1906-1908), C. J. H. Ames, Muskoka, Ont.

Roseneath, stm., 1 ton, 20 ft. (1901), F. R. F. Brown, Montreal, Que.

Rosina, stm., 2 tons, 29 ft. (——), L. B. Howland, Brockville.

Ross, Elsie, stm., 10 tons, 34 ft. (1889), David Gillies, Carlton Place, Ont.

Ross, William, stm., 14 tons, 40 ft. (1870), N. Auclair, Montreal, Que.

Rosseau, stm., 53 tons, 70 ft. (1880), Alfred Mortimer, Mortimer's Point, Muskoka, Ont.

Rouville, stm., 301 tons, 125 ft. (1906), Minister of Marine & Fisheries, Ottawa, Ont.

Rover, stm., 11 tons, 30 ft. (1907), Dominion Fish Co. Ltd., Winnipeg, Man.

Rover, stm., 19 tons, 40 ft. (1905), Dickson Co. Ltd., Peterboro, Ont.

Rowdy, gas, 7 tons, 35 ft. (1912), A. S. Forman, Montreal, Que.

Roy, stm., 6 tons, 31 ft. (1898), The Georgian Bay Hotel Co. Ltd., Parry Sound, Ont.

Royal, stm., 5 tons, 31 ft. (1906), Grise Bros., Midland, Ont.

Roy Mac, stm., 23 tons, 44 ft. (1905), M. J. Haney and R. Miller, Toronto, Ont.

Ruby, stm., 2 tons, 23 ft. (1879), Chas. Stewart, Lansdowne.

Ruby, stm., 7 tons, 32 ft. (1893), H. E. Ford, Norwood.

Ruby, stm., 11 tons, 41 ft. (1903), Ontario Corundum Co. Ltd., Toronto.

Ruby, stm., 2 tons, 31 ft. (1903), F. L. Vandusen and A. Milne, Hull, Que.

Rulo, stm., 9 tons, 47 ft. (1903), Wm. C. Crowther, Toronto, Ont.

Runabout (formerly Elsinore), stm., 9 tons, 41 ft. (——), F. Wright, Wiarton, Ont.

Russell, stm., 76 tons, 80 ft. (1896), W. C. Edwards & Co. Ltd., Rockland, Ont.

Russell, John E. (formerly W. J. Smith), stm., 26 tons, 54 ft. (1902), John E. Russell, Toronto, Ont.

Ruth, stm., 36 tons, 59 ft. (1899), William Owen, Montebello, Que.

Ruth, stm. (formerly Arizona), 9 tons, 40 ft. (1892), Quebec & Lake St. John Ry. Co., Quebec, Que.

Ruth M., stm., 9 tons, 41 ft. (1909), Geo. Marron, Owen Sound, Ont.

S

Sagamo, stm., 744 tons, 152 ft. (1906), Muskoka Lakes Nav. & Hotel Co., Ltd., Toronto, Ont.

Saginaw, stm., 357 tons, 142 ft. (1873), E. A. Booth, Kingston, Ont.

‡Saguenay, stm., 2777 tons, 275 ft. (1911), Richelieu & Ontario Nav. Co., Ltd., Montreal, Que.

Saida, stm., 14 tons, 32 ft. (1903), James Crumb, Dunnville.

Saint Anne, stm., 25 tons, 72 ft. (1875), E. A. Hodgson, Hudson, Que.

Saint Catharine, stm., 12 tons, 37 ft. (1870), F. Mercier, Beauport, Que.

Salvor, stm., 126 tons, 105 ft. (1898), Great Lakes Dredging Co., Ltd., Port Arthur, Ont.

Sampson, stm., 12 tons, 36 ft. (1903), W. W. Carter, Fesserton.

‡Samson, stm. pa., 29 tons, 50 ft. (1911), Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.

Samson, stm., 129 tons, 98 ft. (1876), Franklin Crandell, Lindsay, Ont.

Samson, stm., 87 tons, 82 ft. (1901 & 1912), Montreal Sand & Gravel Co., Ltd., Montreal, Que.

Samson, stm., 121 tons, 101 ft. (1862), Kingston & Montreal Forwarding Co. Ltd., Kingston, Ont.

Sand King, stm., 158 tons, 108 ft. (1888), H. F. Cumming, Cornwall.

Sandford, stm., 56 tons, 72 ft. (1897), James Hunter et al., Wiarton, Ont.

S. & Y., stm., 26 tons, 64 ft. (1905), Upper Ontario Steamboat Co. Ltd., New Liskeard, Ont.

Sarah Agnes, stm., 2 tons, 25 ft. (——), Isaac Hunter, Hunter's Point, Que.

Sarnia, stm., 85 tons, 66 ft. (1901), Canadian Towing & Wrecking Co., Ltd., Port Arthur, Ont.

Sarnia City, stm., 223 tons, 105 ft. (1909), The Reid Wrecking Co. Ltd., Sarnia, Ont.

Sarona, stm., 32 tons, 71 ft. (1902), Huntsville & Bracebridge Tanning Co., Huntsville, Ont.

Saronic, stm., 1961 tons, 252 ft. (1882), Northern Nav. Co. Ltd., Collingwood, Ont.

Sarto, stm., 18 tons, 56 ft. (1905), C. Desjardines, Montreal, Que.

Savage, stm., 25 tons, 45 ft. (1907), Joseph Boucha and Joseph Gregory, Kenora, Ont.

Sawyer, Edgar P., stm., 52 tons, 49 ft. (1886), W. J. McMenemy, Bruce, Mines.

Scagel, Willie, stm., 22 tons, 37 ft. (1888), H. F. Bridges, Windsor, Ont.

Schofield, J. D., stm., 51 tons, 58 ft. (1910), Geo. Ross, Port Robinson, Ont.

Scintilla, stm., 4 tons, 27 ft. (1884), Wm. W. Sparks, Township of Pickering.

Scotch Lassie, stm., 2 tons, 25 ft. (1894), Jas. C. Appleby, Lindsay, Ont.

Scotchman, stm., 21 tons, 50 ft. (1904), M. Lang, et al., New Liskeard, Ont.

Scotch Thistle, stm., 17 tons, 48 ft. (1893), Wm. Cook & W. G. Smith, Little Current.

‡Scotia, stm., 1461 tons, 254 ft. (1901), Minister of Railways and Canals, Ottawa, Ont.

Scotsman, stm., 265 tons, 108 ft. (1903), Ottawa Transportation Co., Ltd., Ottawa.

Scott, Thomas R., stm., 258 tons, 138 ft. (1887), The Peninsula Tug & Towing Co., Ltd., Wiarton, Ont.

Scott, Walter, stm., 26 tons, 36 ft. (1876), J. W. Maitland, Owen Sound.

Scout, stm., 176 tons, 103 ft. (1900), Minister of Marine and Fisheries, Ottawa.

Scudder, stm., 5 tons, 37 ft. (1903), Wm. Morris, Toronto, Ont.

Scugog, stm., 6 tons, 39 ft. (1910), John Bowerman, Port Perry, Ont.

Seaborn, stm., 30 tons, 75 ft. (1898), E. S. Clouston, Montreal, Que.

Sea Gull, stm., 15 tons, 42 ft. (1907), J. P. Healey & F. W. Bowman, Rossport, Ont.

Sea Gull, stm., 150 tons, 82 ft. (1906), Armstrong Towing Co. Ltd., Callendar, Ont.

Sea Gull, stm., 9 tons, 32 ft. (1893), D. Moreau, Port Severn.

Sea Gull, stm., 3 tons, 28 ft. (1888), T. Eli Boult, Hull, Que.

Seagull, stm., 19 tons, 54 ft. (1890), Dominion Fish Co. Ltd., Winnipeg, Man.

Sea Gull, stm., 2 tons, 23 ft. (1900), Jacob Hose, Kenora, Ont.

Sea King, stm., 26 tons, 58 ft. (1892), Dominion Fish Co. Ltd., Winnipeg, Man.

Seaman, Lillie, stm., 19 tons, 45 ft. (1907), N. D. Seaman, Sauble Falls, Ont.

Sea Queen, stm., 18 tons, 52 ft. (1892), Dominion Fish Co. Ltd., Winnipeg, Man.

Secor, J. K., stm., 83 tons, 77 ft. (1884), Albert Henning, Pelee Island, Ont.

Secret, stm., 9 tons, 55 ft. (——), Albert Stern, Yonkers, N. Y., U. S. A.

‡Seguin, stm., 1141 tons, 207 ft. (1890), Parry Sound Lumber Co., Ltd., Toronto, Ont.

Selig, Louisa J., sail 99 tons, 80 ft. (1884), Adelard Belley, St. Simeon, Que.

Seibold, William H., stm., 22 tons, 58 ft. (1887), Dominion Fish Co. Ltd., Winnipeg, Man.

Semillante, stm., 9 tons, 40 ft. (1905), S. Gaudreau, Quebec, Que.

Senator Derbyshire (formerly Bermuda), stm., 1246 tons, 220 ft. (1897), Antoine Wendling, Brockville, Ont.

Sensation, stm., 15 tons, 37 ft. (1873), The Minister of Public Works, Ottawa.

Seymour, W. H., stm., 85 tons, 66 ft. (1874), North Channel Towing Co., Ltd., Cutler, Ont.

Shamrock, stm., 4 tons, 31 ft. (1903), Robt. Johnston, Port Sandfield.

Shamrock, stm., 6 tons, 34 ft. (1903), Robert H. Johnston, Port Carling, Ont.

Shamrock, stm., 237 tons, 117 ft. (1898), Minister of Marine and Fisheries, Ottawa.

Shamrock II, stm., 10 tons, 45 ft. (1907), Robert H. Johnston, Port Carling, Ont.

Shanly, stm., 50 tons, 53 ft. (1908), Parry Sound Lumber Co. Ltd., Toronto, Ont.

Sharon, stm., 14 tons, 46 ft. (1903), Harper Walker, Jr., Walker's Point, Muskoka, Ont.

Shaw, R. G., stm. (formerly Harley), 28 tons, 40 ft. (1878), Cleveland-Sarnia Saw Mills Co., Ltd., Sarnia, Ont.

Shibley, gas, 12 tons, 40 ft. (1912), Jas. Shibley, Battle, Ont.

Shirley, stm., 37 tons, 55 ft. (1903), James Richardson Co. Ltd., Montane, Que.

Shoofly, stm., 10 tons, 35 ft. (1893), J. A. Stillar, Callendar.

Shoo Fly, stm., 25 tons, 44 ft. (1870), S. T. Reeves, Windsor.

‡Shuniah, dredge, 602 tons, 125 ft. (1910), Great Lakes Dredging Co. Ltd., Port Arthur, Ont.

Siemon, Anna, stm., 19 tons, 41 ft. (1901), John E. Woolerich, Owen Sound, Ont.

Siesta, stm., 99 tons, 98 ft. (1882), F. N. Waldie, Toronto, Ont.

Siesta, stm., 9 tons, 51 ft. (1888-1906), Clark Sencabaugh, Lion's Head, Ont.

Siesta, gas, 5 tons, 31 ft. (1905), J. C. Cautley, Minnicoganashene, Ont.

Siesta, stm., 3 tons, 31 ft. (1888), Henry Whitehead, Gravenhurst, Ont.

‡Silverland, stm., 92 tons, 85 ft. (1909), Haileyburg Nav. Co. Ltd., Haileyburg, Ont.

‡Simcoe, stm., 913 tons, 180 ft. (1909), Minister of Marine & Fisheries, Ottawa, Ont.

Simla, stm., 1197 tons, 225 ft. (1903), Calvin Co. Ltd., Garden Island, Ont.

‡Sin-mac, stm., 322 tons, 130 ft. (1909), Sincennes McNaughton Line, Ltd., Montreal, Que.

Sincennes, stm., 228 tons, 12 ft. (1893), Sincennes McNaughton Line, Ltd., Montreal, Que.

Sir Hector, stm., 40 tons, 71 ft. (1891), Ottawa Transp. Co. Ltd., Ottawa, Ont.

‡Sir Hugh Allan, stm., 354 tons, 130 ft. (1911), Harbour Commissioners, Montreal, Que.

‡Sir Wilfrid, dge., 570 tons, 108 ft. (1902-1909), Minister of Public Works, Ottawa, Ont.

Siskiwitt, stm., 47 tons, 68 ft. (1879), Great Lakes Dredging Co. Ltd., Port Arthur, Ont.

Six (6), 78 tons, 90 ft. (1872), N. Beauchemin, St. Aime, Que.

Skye Pilot, stm., 5 tons, 36 ft. (1902), James R. Moodie, Hamilton, Ont.

Sloth, stm., 17 tons, 40 ft. (1909), The Randolph Macdonald Co. Ltd., Toronto, Ont.

Smith, Agnes, stm., 57 tons, 64 ft. (1904), John W. Needler, Little Current, Ont.

Smith, Andrew J., stm., 387 tons, 117 ft. (1893), North Channel Towing Co., Ltd., Cutler, Ont.

Smith, Geo. Winfield, stm., 25 tons, 51 ft. (1903), John Fenderson & Co. (Inc.), Ste Marie de Sayahee, Que.

Smith, Henry, stm., 40 tons, 69 ft. (1877), C. W. Gauthier, Sandwich, Ont.

Smith, Lillie, stm., 275 tons, 130 ft. (1888), Geo. E. Smith, Southampton.

Solid Comfort, stm., 16 tons, 44 ft. (1908), Peterborough Canoe Co. Ltd., Peterborough, Ont.

†Sogenada, stm., 65 tons, 75 ft. (1909), Minister of Public Works, Ottawa, Ont.

Soncie, stm., 14 tons, 46 ft. (1900), J. B. Tudhope, Orillia.

Soo City (formerly Mabel Bradshaw), stm., 500 tons, 135 ft. (1889), Herbert Cleland, Collingwood, Ont.

Sorel, paddle stm., 158 tons, 108 ft. (1871), City of Three Rivers, Que.

Sorel Boy, stm., 11 tons, 47 ft. (1882), P. Fitzgerald, Quebec, Que.

South, stm., 349 tons, 130 ft. (1885), Quebec & Levis Ferry Co., Ltd., Quebec, Que.

Southwood, stm., 19 tons, 67 ft. (1884), Levi Fraser, Bracebridge, Ont.

Souvenir, stm., 1 ton, 17 ft. (1897), E. Ruel, Quebec, Que.

Sowards (formerly Rand), stm., 238 tons, 119 ft. (1888), J. F. Soward, Kingston, Ont.

Spanish Ranger, stm., 13 tons, 36 ft. (1893), R. Booth and P. Shannon, Pembroke, Ont.

Sparrow, stm., 38 tons, 56 ft. (1882), John B. Smith et al., Toronto.

Spartan, stm., 2 tons, 28 ft. (1887), Edwyn B. Andros, Barrie.

Speed, stm., 16 tons, 52 ft. (1894), M. S. Foley, Montreal, Que.

‡Speedy II., stm., 252 tons, 115 ft. (1896), Minister of Public Works, Ottawa, Ont.

Spes., gas, 2 tons, 24 ft. (1909), Jos. A. Brunet, Montreal, Que.

Sport, stm., 16 tons, 36 ft. (1897), R. E. Doucett, Kenora, Ont.

‡Spray, stm., 107 tons, 100 ft. (1893), Sincennes McNaughton Line, Ltd., Montreal, Que.

Spray, stm., 24 tons, 49 ft. (1892), J. S. Thom, Quebec, Que.

Spray, stm., 47 tons, 74 ft. (1888), James Mahafferty, Port Albert.

Spray, stm., 42 tons, 45 ft. (1874), D. B. McDonell, Cambridge.

Spray, stm., 15 tons, 42 ft. (1888), John McRae, Meaford.

St. Anne, stm., 14 tons, 44 ft. (1889), F. X. Crepeau, Sorel, Que.

St. Antoine, stm., 14 tons, 51 ft. (1898), Ferdinand Fecteau, St. Antoine, Que.

St. Charles, stm., 26 tons, 42 ft. (1904), Alfred Macdonald, Peterborough.

St. Charles, stm., 23 tons, 47 ft. (1901), Mrs. Jos. Valliere, Quebec, Que.

St. Croix, stm., 506 tons, 125 ft. (1880), F. Boisvert, Ste. Croix, Que.

St. Elme, gas, 2 tons, 28 ft. (1905), Zenophile Therrien, Lachenaie, Que.

St. Etienne, stm., 33 tons, 58 ft. (1906), Murray Bay Lumber & Pulp Co., Ltd., St. Etienne de la Malbie, Que.

St. George, stm., 21 tons, 61 ft. (1886), Frank Simpson, Toronto, Ont.

St. George, stm., 5 tons, 35 ft. (1903), Robert Maw, Toronto, Ont.

St. George, stm., 68 tons, 77 ft. (1892), D. Anderson, Montreal, Que.

St. George, stm., 17 tons, 37 ft. (1893), G. H. Perley, Ottawa, Ont.

St. Henri, stm., 101 tons, 85 ft. (1900), Alex. Morin et al., St. Henri de Taillon, Que.

St. Irenee, stm., 2094 tons, 268 ft. (1867-1905), Richelieu & Ont. Nav. Co., Montreal, Que.

St. J. Deschaillons, gas, 5 tons, 29 ft. (1910), Adelphie Lemay, St. Jean des Chaillons, Que.

St. Jacques, stm., 57 tons, 80 ft. (1906), Theophile Lemyre et al., Grandes Piles, Que.

St. Joe, stm., 118 tons, 70 ft. (1902), Canadian Towing & Wrecking Co., Ltd., Port Arthur, Ont.

St. Joe, stm., 39 tons, 56 ft. (1907), Mrs. R. B. McCaul, Sault Ste. Marie, Ont.

St. Joseph Trois Saumons, 28 tons, 50 ft. (1898), Nelson Blanchette, St. Ignace, Que.

St. Julian, stm., 20 tons, 48 ft. (1884), J. H. Davis, Gananoque.

St. Laurent, stm., 349 tons, 127 ft. (1880-1900-1909), Joseph A. Lamarre, Montreal, Que.

St. Louis, stm., 56 tons, 59 ft. (1875-1907), Montreal Sand & Gravel Co. Ltd., Montreal, Que.

St. Louis, stm., 35 tons, 60 ft. (1900), Peter Cavanagh, Perth, Ont.

St. Louis, stm., 17 tons, 43 ft. (1901), Octave Neault, Grandes Piles, Que.

St. Louis, stm., 428 tons, 127 ft. (1880), Pierre McLean, La Prairie, Que.

St. Louis de Metabetchouan, stm., 30 tons, 52 ft. (1902), William Price, Quebec, Que.

St. Maurice, stm., 45 tons, 67 ft. (1900), J. J. Collins & V. W. Giroux, Ottawa, Ont.

St. Michael, stm., 16 tons, 48 ft. (1893), M. O. Shaughnessy, Nicolet, Que.

St. Paul, stm., 45 tons, 65 ft. (1875), The Minister of Public Works, Ottawa.

St. Peter, stm., 66 tons, 66 ft. (1875-1903), Harbor Comrs., Montreal, Que.

St. Pierre, dge., 180 tons, 79 ft. (1899), Antoine St. Pierre, Three Rivers, Que.

St. Roch, stm., 18 tons, 41 ft. (1887), Gaspard Deserres, Montreal, Que.

St. Williams, stm., 11 tons, 26 ft. (1908), C. C. Bates, St. Williams, Ont.

Ste. Anne, stm., 18 tons, 48 ft. (1893), E. Gagnon, Ste. Anne de Chicoutimi, Que.

Ste. Anne, stm., 100 tons, 77 ft. (1905), Onesime Tremblay, Ste. Anne, Que.

Stalker, Hugh, stm., 43 tons, 72 ft. (1910), Geo. Stalker, Collingwood, Ont.

Standard, stm., 16 tons, 44 ft. (1905), R. E. Doucett and W. A. Webster, Kenora, Ont.

Stanley, paddle stm., 7 tons, 36 ft. (1901), John A. Ellis, Fenelon Falls.

Stanley, Frank H., stm., 43 tons, 66 ft. (1912), H. L. Moore & W. S. Stanton, Port Stanley, Ont.

Stanley, stm., 2 tons, 16 ft. (1902), John H. Stanley, Port Colborne, Ont.

Stanton, Ray, stm., 34 tons, 61 ft. (1910), Grant Pyke, Wolfe Island, Ont.

Star, bge., 321 tons, 136 ft. (1872), Jos. E. Senecal, Sorel, Que.

Star, stm., 1 ton, 18 ft. (1892), Geo. Reid, Portage du Fort, Que.

Star of the Sea, stm., 8 tons, 32 ft. (1878), Joseph Fluet, Montreal, Que.

Stella, stm., 7 tons, 32 ft. (1888), Maurice Perrault, Montreal, Que.

Stella, stm., 16 tons, 44 ft. (1892), Jas. W. Vance, Spanish Station, Ont.

Stewart, Archie, stm., 80 tons, 81 ft. (1890), The Minister of Public Works, Ottawa.

Stiletto, stm., 14 tons, 36 ft. (1897), F. S. Grise, Midland.

Stoddart, stm., 11 tons, 45 ft. (1909), Rixon, Ainslie, Stoddart Co. Ltd., Owen Sound, Ont.

Stone, Walter H., stm., 35 tons, 64 ft. (1889), Albert Henning, Pelee Island.

Stoney Lake, stm., 156 tons, 86 ft. (1904), Patrick P. Young, Young's Point.

Storey, James, stm., 49 tons, 63 ft. (1888), G. H. Fineout, Port Arthur, Ont.

Stormalong, gas, 3 tons, 28 ft. (1910), E. G. Hurtubise, Grandes Piles, Que.

‡Stormount, stm., 1955 tons, 249 ft. (1907), Montreal Transportation Co. Ltd., Montreal, Que.

‡Stover, John R., stm., 94 tons, 75 ft. (1911), Blind River Towing Co. Ltd., Blind River, Ont.

Stra-gwi-hagh, stm., 16 tons, 49 ft. (1905), Mrs. F. E. Lang, Cobalt, Ont.

Stranger, stm., (see Lamonde.)

†Strathcona, stm., 1881 tons, 249 ft. (1900), Strathcona, Ltd., Hamilton, Ont.

‡Sultana, stm., 3 tons, 30 ft. (1894), Sultana Mine of Canada, Ltd., London, Eng.

Sunbeam, stm., 4 tons, 31 ft. (1884), John Rodgers, Medora, Muskoka, Ont.

Superior, stm., 89 tons, 90 ft. (1881), Jos. Ganley, Sault Ste. Marie, Ont.

Supply No. 3, stm., 11 tons, 29 ft. (1907), The Playfair, Preston Co. Ltd., Midland, Ont.

Surety, stm., 6 tons, 36 ft. (1904), C. C. Jenkins & Wm. Cooper, Meaford, Ont.

Swallow, stm., 9 tons, 23 ft. (1882), Hon. Richard Turner, Quebec, Que.

Swan, stm., 12 tons, 48 ft. (1892), W. J. Chapman, Perth.

Swan, stm., 14 tons, 53 ft. (1895), H. Swan, Port Burwell.

Swan, stm., 8 tons, 36 ft. (1899), Wm. A. Cross, Port Arthur.

Sweepstake, stm., 28 tons, 37 ft. (1901), The Ontario Lumber Co., Toronto, Ont.

Swift, stm., 4 tons, 28 ft. (1892), N. A. and G. F. Foubert, Cumberland, Ont.

Sydenham, dredge, 348 tons, 100 ft. (1908), Canadian Dredging Co., Ltd., Midland, Ont.

Sylvester, stm., 27 tons, 45 ft. (1895), W. S. Shaw, Bracebridge.

T

T. F. M. No. 2, dredge, 151 tons, 71 ft. (1892), T. F. Moore Co., Montreal, Que.

T. F. M. No. 4, dredge, 143 tons, 76 ft. (1895), T. F. Moore Co., Montreal, Que.

Taber, Horace, sail, 236 tons, 135 ft. (1867), F. R. Barnhardt, Deseronto, Ont.

Tadenac, stm., 9 tons, 40 ft. (——), Tadenac Club, Ltd., Toronto.

‡Tadousac (formerly Virginia), paddle stm., 1701 tons, 248 ft. (1879), Richelieu & Ont. Nav. Co., Montreal, Que.

‡Tagona, stm., 2004 tons, 249 ft. (1908), Canada Interlake Line, Ltd., Toronto, Ont.

Ta-Kit-Esy, stm., 5 tons, 43 ft. (1899), Mrs. Eloise Lalonde, Montreal, Que.

Tanina, gas, 11 tons, 33 ft. (1907), H. L. Henderson, Montreal, Que.

Taylor, Ella, stm., 34 tons, 60 ft. (1883), Geo. Ross, Port Robinson, Ont.

Taylor, Joseph, stm., 17 tons, 37 ft. (1894), J. R. Booth, Ottawa, Ont.

Taylor, W. J., stm., 9 tons, 35 ft. (1883), St. Clair Tunnel Co., Sarnia.

Tecumseh, stm., 10 tons, 37 ft. (1895), Wm. Fraser, Little Current.

Tekla, gas, 83 tons, 102 ft. (1902), John C. Eaton, Toronto, Ont.

‡Temagami, stm. (formerly Wanda), 18 tons, 70 ft. (1898-1905), Temagami Stmbt. & Hotel Co., Ltd., Toronto, Ont.

Temiscamingue, stm., 295 tons, 133 ft. (1898), Temiskaming Nav. Co. Ltd., Mattawa, Ont.

‡Tempest, stm., 21 tons, 64 ft. (1884), Reid Wrecking Co. Ltd., Sarnia.

Tenno, gas (formerly Wanda), 25 tons, 64 ft. (1892), W. R. Travers, Toronto, Ont.

‡Terrebonne, paddle stm., 636 tons, 156 ft. (1871-1895), Richelieu & Ont. Nav. Co., Montreal.

Tess, stm., 5 tons, 33 ft. (1896), W. E. Johnson, Lake Megantic, Que.

Thelma, stm., 3 tons, 24 ft. (1906), T. W. Watkins, Hamilton, Ont.

Thelma, stm., 19 tons, 40 ft. (1905), K. B. DeMill, Wellington, Ont.

Theresa, stm., 84 tons, 85 ft. (1885), John Fleming and A. Tymon, Toronto, Ont.

Theresa, stm., 26 tons, 49 ft. (1900), A. A. Agar, Burk's Falls, Ont.

Thistle, stm., 36 tons, 66 ft. (1881-1891), The Rondeau Tug Co. Ltd., Blenheim, Ont.

Thistle, stm., 2 tons, 31 ft. (1895), W. E. James, Combermere, Ont.

Thistle, stm., 5 tons, 40 ft. (1897), A. H. Taylor and J. Sutherland, Ottawa, Ont.

Thom, John S. (formerly Henry R. James), stm., 1440 tons, 240 ft. (1890), Quebec & Levis Ferry Co., Ltd., Quebec, Que.

Thompson, J. S., pa. stm., 13 tons, 40 ft. (1902), J. F. Hurdman, Ottawa, Ont.

Thomson, David G., stm., 182 tons, 103 ft. (1883), Montreal Trans. Co. Ltd., Montreal, Que.

Thomson, John, stm., 5 tons, 39 ft. (1889), R. A. Klock, Klock's Mills, Ont.

Thyra, stm., 34 tons, 66 ft. (1887), F. B. Polson, Toronto, Ont.

Tiger, stm., 4 tons, 34 ft. (1896), Ontario Corundum Co. Ltd., Ottawa.

Tillicum, stm., 3 tons, 29 ft. (1907), Malcolm L. Butler, Brighton, Ont.

Tit Bit, stm., 2 tons, 25 ft. (1899), S. Carsley, Jr., Montreal, Que.

Tit Willow, stm., 17 tons, 49 ft. (1891), J. D. Deacon and E. A. Dunlop, Pembroke.

Togo, stm., 15 tons, 44 ft. (1905), C. J. Clark, Massey, Ont.

Togo, dredge, 269 tons, 85 ft. (1897), Robert & R. G. Weddell et al., Trenton, Ont.

Tomasco, dredge, 128 tons, 75 ft. (1893), Thomas Gauthier, Montreal, Que.

Topsy, stm., 15 tons, 36 ft. (1896), J. H. Gropp et al., Penetanguishene, Ont.

‡Toronto, paddle stm., 2779 tons, 269 ft. (1899), Richelieu & Ont Nav. Co., Montreal.

Torpedo, stm., 8 tons, 34 ft. (1898), Toronto Construction Co. Ltd., Toronto, Ont.

Torpy, stm., 8 tons, 34 ft. (1907), John Paulmert, Rossport, Ont.

Torrent, John, stm., 39 tons, 52 ft. (1875), Stephen Shipman, Richard's Landing, Ont.

Tourist, stm., 3 tons, 38 ft. (1904), Mrs. Elizabeth Auclair, Montreal, Que.

Trader S., stm., 96 tons, 71 ft. (1912), Playfair Preston Co., Ltd., Midland, Ont.

Tranquilo, stm., 39 tons, 77 ft. (1892), Electrical Development Co., Toronto.

Transcontinental, stm., 9 tons, 46 ft. (1905), Pierre Potvin, Village Latuque, Que.

Traveler, stm., 438 tons, 140 ft. (1871), Midland Towing & Wkg. Co. Ltd., Midland.

‡Traversier No. 1, gas pa., 37 tons, 50 ft. (1911), J. Salvail & Jos. Paul, Sorel, Que.

Trent, paddle stm., 20 tons, 36 ft. (1893), D. Gilmour, Trenton.

Trenton, dredge, 251 tons, 75 ft. (1908), Robert Weddell, Trenton, Ont.

†Trillium, stm. pa., 673 tons, 150 ft. (1910), Toronto Ferry Co. Ltd., Toronto, Ont.

‡Trois Rivieres, paddle stm., 1449 tons, 219 ft. (1869 & 1910), Richelieu & Ont. Nav. Co., Montreal, Que.

Tropic, stm., 9 tons, 40 ft. (1885), H. T. Toffey, Portland, Ont.

Trotter, Marion E., stm., 49 tons, 69 ft. (1881-1908), Fred J. Trotter, Amherstburg, Ont.

Trudel, H., stm., 13 tons, 35 ft. (1890), R. A. Klock et al., Klock's Mills, Ont.

Trudel II, stm., 15 tons, 40 ft. (1904), J. B. Klock, Mattawa, Ont.

‡Turbina, stm., 1064 tons, 250 ft. (1904), Niagara Nav. Co. Ltd., Toronto, Ont.

Turtle, stm., 38 tons, 65 ft. (1902), George Gordon et al., Pembroke, Ont.

Tuttsy, stm., 9 tons, 35 ft. (1905), H. Allen Peterboro, Ont.

Two Friends, stm., 23 tons, 52 ft. (1905), H. W. Ansley et al., Port Dover, Ont.

Two Macs, stm. (formerly Telephone), 24 tons, 55 ft. (1880), Robert McKay and Angus McDonald, Goderich, Ont.

U

Ullacalcla, stm., 6 tons, 38 ft. (1900), Chas. W. Turner, Cambellford.

Umbria, stm., 43 tons, 58 ft. (1889), P. A. McCallum, Toronto, Ont.

Una, stm., 22 tons, 46 ft. (1885), David S. Pratt, Midland, Ont.

Uncle Jim, stm., 11 tons, 50 ft. (1886), Robt. Graham and Matthew Graham, Kagawong.

‡Undine, stm., 9 tons, 31 ft. (1897), Mine Centre Lumber Co. Ltd., Fort William, Ont.

United Lumberman, stm., 399 tons, 139 ft. (1884), Morden Transit Co. Ltd., Midland, Ont.

Unome, gas, 14 tons, 36 ft. (1907), J. P. Black, Montreal, Que.

Upper Traverse, lightship, 97 tons, 77 ft. (——), Minister of Marine and Fisheries, Ottawa, Ont.

Upas, stm., 17 tons, 48 ft. (1892), O. R. Fraser, Edmonton, Alta.

Upham, J. H., stm., 26 tons, 48 ft. (1880-1908), G. H. Fineout, Port Arthur, Ont.

V

V. S. R., gas, 1 ton, 20 ft. (1907), Christopher Rutherford, Peterboro, Ont.

Vacuna, stm., 52 tons, 75 ft. (1896), J. P. Wiser, Prescott.

Vale, Maida, stm., 19 tons, 46 ft. (1902), N. T. Laplante, Peterboro, Ont.

Valeda, stm., 2 tons, 30 ft. (——), Charles Lemoine, Pembroke.

Valeria, stm., 52 tons, 75 ft. (1891), Francois Crepeau, Sorel, Que.

Valleyfield, stm., 417 tons, 116 ft. (1873-1901), Jos. A. Lamarre, Montreal, Que.

Van Allen, D. R., stm., 318 tons, 136 ft. (1874), W. C. Thompson, Port Arthur, Ont.

‡Vandenburg, Miss, gas, 266 tons, 99 ft. (1909), Prescott & Ogdensburg Ferry Co., Ltd., Prescott, Ont.

Varuna, stm., 134 tons, 94 ft. (1880), Ontario & Quebec Nav. Co., Ltd., Picton, Ont.

Varunna, stm., 1 ton, 23 ft. (1891), George P. Spittal, Ottawa, Ont.

Vega, stm., 7 tons, 37 ft. (1884), J. K. Macdonald, Toronto.

Velo, gas, 2 tons, 25 ft. (1910), A. Decary, Montreal, Que.

Venetta, stm., 31 tons, 61 ft. (1898), David Smith, Toronto.

Vera A., stm., 11 tons, 35 ft. (1902), Georgian Bay Lumber Co. Ltd., Waubaushene, Ont.

Verbena, stm., 72 tons, 70 ft. (1907), Lake of the Woods Milling Co. Ltd., Montreal, Que.

Vera T., stm., 36 tons, 47 ft. (1908), John S. Thom, Quebec, Que.

Verbena May, stm., 16 tons, 38 ft. (1888), Richard Gawley, Mars P. O.

Verda Belle, stm., 34 tons, 55 ft. (1908), W. L. Stanton & H. L. Moore, Port Stanley, Ont.

Vermillion, stm., 87 tons, 65 ft. (1909), Wm. Ritchie, Three Rivers, Que.

Vernon Jr., stm., 46 tons, 70 ft. (1902), Wm. H. Comstock, Brockville, Ont.

Verva, stm., 55 tons, 66 ft. (1898), John Waldie, Toronto.

Vesper, stm., 2 tons, 30 ft. (1887), W. J. Gibbard, Napanee.

Vesta, stm., 8 tons, 28 ft. (1895), Oronhyateka, Toronto.

Veuve, stm. pa., 22 tons, 38 ft. (1908), George Gordon & Co., Ltd., Cache Bay, Ont.

Victor, stm., 39 tons, 59 ft. (1875), E. A. D. Morgan, Montreal, Que.

Victoria, stm., 3 tons, 31 ft. (1891), W. F. Davidson, Colpoy's Bay.

Victoria, stm., 13 tons, 37 ft. (——), Peter Light, Penetanguishene, Ont.

Victoria, stm., 181 tons, 100 ft. (1899), Victoria Navigation Co., Ltd., Ottawa, Ont.

Victoria, stm., 343 tons, 102 ft. (1902), Amedee Malette, Rigaud, Que.

Victoria, stm., 188 tons, 129 ft. (1897), Pembroke Nav. Co. Ltd., Pembroke, Ont.

Victoria, stm., 48 tons, 70 ft. (1901), Price Bros. & Co., Ltd., Quebec, Que.

Victoria, stm., 58 tons, 72 ft. (1900), Geo. A. Davis, Smith's Falls, Ont.

Victoria, stm., 4 tons, 35 ft. (1894), R. B. Rogers, Peterborough.

Victoria, stm., 25 tons, 42 ft. (1901), Victoria Harbor Lumber Co. Ltd., Toronto.

Victoria, K., stm., 41 tons, 72 ft. (1903), Daniel Sullivan, Blind River, Ont.

Victory, stm., 56 tons, 66 ft. (1870), William O. Connors, Quebec, Que.

‡Vigilant, stm., 396 tons, 177 ft. (1904), Minister of the Naval Service, Ottawa.

Viking, stm., 15 tons, 44 ft. (1902), Thomas Craigie, Rossport.

Ville Marie, stm., 32 tons, 35 ft. (1902), John Lumsden, Ottawa, Ont.

Villineuve, stm., 28 tons, 50 ft. (1901), H. S. Villineuve, Kenora, Ont.

Viola, stm., 2 tons, 25 ft. (1903), Mrs. Ida H. Moseley, Westmount, Que.

Viola, stm., 5 tons, 35 ft. (1905), Arthur E. Masters et al., Niagara-on-the-Lake, Ont.

Viola M., stm., 8 tons, 29 ft. (1901), H. Wallace, Minett, Ont.

Viper, stm., 8 tons, 40 ft. (1899), F. J. Drake, Kingston.

Viper, stm., 34 tons, 60 ft. (1901), Wm. Collis, Bruce Mines.

Viper, stm., 8 tons, 41 ft. (1899), F. J. Drake, Kingston, Ont.

Virginia, stm., 146 tons, 107 ft. (1875), Sincennes McNaughton Line, Ltd., Montreal, Que.

Vison, stm., 2 tons, 23 ft. (1902), P. Beauchemin, Sorel, Que.

Vister, Bella, stm., 8 tons, 46 ft. (1902), John H. Wilmott, Beaumaris, Ont.

Viva, stm., 7 tons, 33 ft. (1893), John McEwen, Sarnia.

Vixen, stm., 68 tons, 48 ft. (1886), Thos. E. Williams, Thessalon, Ont.

Vixen, stm., 3 tons, 32 ft. (1907), Andrew S. Forman, Montreal, Que.

Volunteer, stm., 3 tons, 35 ft. (1889), M. P. Davis, Ottawa, Ont.

‡Voyageur, stm., 44 tons, 68 ft. (1895), Canada Iron Furnace Co. Ltd., Montreal, Que.

W

‡Wabis, stm. pa., 77 tons, 66 ft. (1911), Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.

Wacaota, stm., 33 tons, 66 ft. (1909), C. W. Burgoyne, Fenelon Falls, Ont.

‡Wahcondah, stm., 1554 tons, 230 ft. (1903), Wahcondah S. S. Co., Ltd., Hamilton, Ont.

Wahnapitae, stm., 153 tons, 91 ft. (1904), C. Beck Mfg. Co. Ltd., Penetanguishene.

Walker, Hiram, stm., 127 tons, 97 ft. (1886 & 1904), Johnny Paquet, Champlain, Que.

Wampanoag, stm., 38 tons, 57 ft. (——), John Doran, Levis, Que.

Wanakewan, stm., 68 tons, 70 ft. (1910), Hiawatha Co., Ltd., Ottawa, Ont.

Wanda, stm., 4 tons, 36 ft. (1878), O. Bascom, Kemptville.

Wanda, stm., 39 tons, 65 ft. (1889), Daniel O'Connor, Temagami, Ont.

‡Wanda II, stm., 51 tons, 94 ft. (1905), T. Eaton, Toronto, Ont.

‡Wanderer, stm., 20 tons, 45 ft. (1905), J. Matheson, Kenora, Ont.

Wanderer of the North, gas, 53 tons, 65 ft. (1910), W. M. Birks, Montreal, Que.

Wanita, stm., 44 tons, 64 ft. (1896), A. A. Agar, Burk's Falls, Ont.

Wapenao, stm., 5 tons, 40 ft. (1893), T. Eaton, Toronto.

Wapiti, stm., 18 tons, 56 ft. (1899), Wm. & Israel Cayo, Rainy River, Ont.

Warmington, G. H., sail, 502 tons, 178 ft. (1872), Alexis Rondeau, Lanoraie, Que.

Waterlily, stm., 2 tons, 25 ft. (1904), Chas. H. Gray, Gananoque.

Water Lily, stm., 95 tons, 100 ft. (1891), Ontario & Quebec Nav. Co. Ltd., Picton, Ont.

Water Lily, stm., 54 tons, 80 ft. (1897-1901), Wm. Buller, Peterboro, Ont.

Waterlily, stm., 2 tons, 25 ft. (1904), Charles H. Gray, Gananoque, Ont.

Water Sprite (The), gas, 4 tons, 31 ft. (1911), Geo. A. Mooney, Montreal, Que.

Water Witch, stm., 18 tons, 44 ft. (1900), Michael Dovey, Lindsay.

Water Witch, stm., 9 tons, 40 ft. (1880), J. H. Dunsford, Lindsay.

Waubaushene, stm. (see Burke, D. J.).

‡Waubaushene, stm., 135 tons, 78 ft. (1904), Georgian Bay Lumber Co. Ltd., Waubaushene.

‡Waubic, stm., 504 tons, 134 ft. (1909), Northern Nav. Co., Ltd., Collingwood, Ont.

Waukon, gas, 31 tons, 65 ft. (1912), F. C. Watts, Collingwood, Ont.

Wauneta, stm., 2 tons, 25 ft. (1906), T. & W. Gordon, Lakefield, Ont.

Wawa, stm. (formerly Kacymo), 9 tons, 41 ft. (1901), Mrs. Gerald de C. O'Grady, Toronto, Ont.

Wawaskesh, stm., 19 tons, 37 ft. (1903), Wm. E. Bigwood, Toronto, Ont.

‡Wawinet, stm., 68 tons, 87 ft. (1904), Wm. McKenzie, Toronto.

Wawona, stm., 31 tons, 60 ft. (1908), H. Manley, Meaford, Ont.

Wayne-Isbell, stm., 48 tons, 70 ft. (1876), Norman Trotter, Little Current, Ont.

We C. U., stm., 6 tons, 57 ft. (1898), W. E. Hardison, Welland, Ont.

Weaver, R. G. A. (formerly Nellie Reid), stm., 81 tons, 61 ft. (1886-1912), Robert Weddell, Trenton, Ont.

Weddell, Rob. G., stm., 45 tons, 66 ft. (1907), Robert Weddell, Trenton, Ont.

Weigo, stm., 2 tons, 22 ft. (1907), Chas. N. Sterling, Kenora, Ont.

Welcome, stm., 21 tons, 52 ft. (1886), Thos. Falls and James Poole, Meldrum Bay.

Wendigo, stm., 33 tons, 52 ft. (1908), Rat Portage Lumber Co. Ltd., St. Boniface, Man.

Wenona, stm., 26 tons, 66 ft. (1905), Upper Ontario Steamboat Co. Ltd., New Liskeard, Ont.

Wenonah, stm., 6 tons, 37 ft. (1899), Wm. McLaren, Perth.

Wenonah, stm., 93 tons, 94 ft. (1886 and 1906), R. J. Watson, Burk's Falls, Ont.

Weslemkoon, stm., 17 tons, 37 ft. (1895), Rideau Lumber Co. Ltd., Ottawa, Ont.

West Arm, stm., 27 tons, 55 ft. (1901), Henry Quesnel, Sturgeon Falls, Ont.

West, D. C., stm., 60 tons, 80 ft. (1874), J. Fleming, Toronto.

‡Westmount, stm., 1875 tons, 248 ft. (1903), Montreal Trans. Co. Ltd., Montreal, Que.

Westport, stm., 196 tons, 103 ft. (1862), M. Scanlan, Montreal, Que.

Westport, stm., 80 tons, 87 ft. (1903), David Eligh, Burritts Rapids, Ont.

‡Whalen, James, stm., 313 tons, 108 ft. (1905), Canadian Towing & Wrecking Co. Ltd., Port Arthur, Ont.

Where Now, stm., 48 tons, 77 ft. (1889), Ontario & Quebec Nav. Co., Ltd., Picton, Ont.

Whirl, stm., 10 tons, 37 ft. (1908), John McGraw, Brockville, Ont.

White Squall, stm., 7 tons, 42 ft. (1895), Montreal Cotton Co., Valleyfield, Que.

White Star, paddle stm., 9 tons, 30 ft. (1909), E. A. Peck, Peterboro, Ont.

‡White Star, paddle stm., 629 tons, 167 ft. (1897-1905), Charles Mignault, Montreal, Que.

White Wings, stm., 3 tons, 35 ft. (1894), T. McDonald, Thurlow.

Whiteley, gas, 3 tons, 22 ft. (1909), Thos. Whiteley, Sombra, Ont.

Whyte, William, stm., 18 tons, 36 ft. (1897), L. R. Johnstone et al., Wabigoon, Ont.

Wild Rose, stm., 10 tons, 47 ft. (1891), A. L. Drummond, Montreal, Que.

William, stm., 49 tons, 57 ft. (1877), William W. Tate, Montreal, Que.

Willard, stm., 27 tons, 44 ft. (1912), Mrs. Mabel A. Code, Smith's Falls, Ont.

William D., stm., 10 tons, 35 ft. (1899), F. Pollock and A. R. Going, Port Stanley, Ont.

Willie C., stm., 8 tons, 39 ft. (1893), Lyon Cohen, Montreal, Que.

Willis, stm., 2 tons, 30 ft. (1893), D. O'Connor, Ottawa, Ont.

Willis, stm., 2 tons, 30 ft. (1893), D. O'Connor, Ottawa.

Willowdee, stm., 25 tons, 69 ft. (1904), John Rogers, Port Sandfield, Ont.

Wilma, stm., 55 tons, 75 ft. (1911), G. A. Macdonald, et al., Port Stanley, Ont.

Wilson, Wm., stm., 1 ton, 43 ft. (1892-1903), Frank Ross, Port Maitland.

Wilson, William, stm., 1 ton, 43 ft. (1892-1903), Frank Ross, Port Maitland, Ont.

Windermere, stm., 31 tons, 77 ft. (1881), Antoine Gagnon, Quebec, Que.

Windsor (formerly Iroquois), stm., 1962 tons, 257 ft. (1892), Montreal Transportation Co. Ltd., Montreal, Que.

Wingfield, dredge, 191 tons, 73 ft. (1895), C. S. Boone, Toronto, Ont.

Winner, stm. (formerly Iroquois), 83 tons, 77 ft. (1884), Albert Henning, Pelee Island, Ont.

Winnett (formerly Calumet), stm., 22 tons, 54 ft. (1895), B. I. Gibson & Edward Lynch, Hastings, Ont.

Winnie, stm., 14 tons, 48 ft. (1897), L. Bel-Southampton.

‡Winona, stm., 2085 tons, 252 ft. (1906), Winona S. S. Co. Ltd., Hamilton, Ont.

Winona, stm., 231 tons, 101 ft. (1902), Mrs. Isabella D. White, Midland, Ont.

Winona, stm., 20 tons, 47 ft. (1905), W. P. Murray, Toronto, Ont.

Wisawasa (The), stm. pa., 62 tons, 60 ft. (1907), John R. Booth, Ottawa, Ont.

‡Witherbee, J. G., stm., 165 tons, 111 ft. (1872), The Minister of Public Works, Ottawa, Ont.

Wolfe Islander (formerly Tom Fawcett), stm., 224 tons, 118 ft. (1904), The Corporation of the Township of Wolfe Island, Ont.

Y

Yeldah, stm., 42 tons, 63 ft. (1901-1905), Jos. Hadley, Chatham, Ont.

Yennek, stm., 39 tons, 57 ft. (1896), D. J. Kenney, Gananoque, Ont.

You and I, stm., 25 tons, 52 ft. (1902), John McKeown, Port Maitland.

Young, Geo. E., stm., 12 tons, 42 ft. (1909), W. W. Ransbury, Tobermory, Ont.

‡Young, John, stm., 170 tons, 84 ft. (1910), Harbour Commissioners, Montreal, Que.

Yvon, stm., 51 tons, 58 ft. (1906), Sincennes McNaughton Line, Montreal, Que.

Z

Zara, stm., 35 tons, 55 ft. (1903), Wm. V. Reynolds, New Liskeard, Ont.

Zeila, stm., 3 tons, 36 ft. (1890), B. D. Stacey, Brockville.

Zelma, stm., 1 ton, 22 ft. (1900), R. L. Morgan, Lindsay.

Zena, stm., 4 tons, 27 ft. (1886), James Whalen, Port Arthur.

Zephir P., stm., 237 tons, 93 ft. (1910), John Paquette, Champlain, Que.

‡Zephyr, stm., 3 tons, 27 ft. (1886), C. A. Bogert, Toronto.

Zingari, gas, 3 tons, 31 ft. (1906), E. A. Whitehead, Montreal, Que.

Vessels Registered in Great Britain but Owned in Canada.

†Indicates that vessel is built of steel or iron.

†Acadian, stm., 2,305 tons, 248 ft. (1908), Mutual Steamship Co., Ltd., Port Colborne, Ont.

†Ames, A. E., stm., 1,637 tons, 246 ft. (1903), Canadian Lake & Ocean Nav. Co., Ltd., Toronto, Ont.

†Aranmore, stm., 1,170 tons, 241 ft. (1890), James Holliday, Quebec, Que.

†Calgarian, motor ship, 250 (1912), Canada Transportation Lines, Ltd., Montreal, Que.

†Canadian, stm., 2,214 tons, 248 ft. (1907), Mutual Steamship Co., Ltd., Port Colborne, Ont.

†Carleton, stm., 1,351 tons, 240 ft. (1907), F. E. Hall, Montreal, Que.

†Corunna, stm., 1,269 tons, 230 ft. (1891), Canadian Lake Transp. Co., Ltd., Toronto, Ont.

†Dunelm, stm., 2,319 tons, 250 ft. (1907), Dunelm, Ltd., Hamilton, Ont.

†Edmonton, stm., 1,983 tons, 249 ft. (1906), Mathews Steamship Co., Ltd., Toronto, Ont.

†Empress of Fort William (nee Mount Stephen), stm., 2,181 tons, 250 ft. (1908)), Canada Transportation Lines, Ltd., Montreal, Que.

†Empress of Midland, stm., 2,244 tons, 252 ft. (1907), Empress Transp. Co., Ltd., Midland, Ont.

‡Fordonian, motor ship, 250 (1913), Canada Transportation Lines, Ltd., Montreal, Que.

‡Gordon, D. A., stm., 2,301 tons, 249 ft. (1910), Canada Transportation Lines, Ltd., Montreal, Que.

‡Jaques, C. A., stm., 2105 tons, 249 ft. (1909), Jaques Trans. Co., Ltd., Montreal, Que.

‡Kaministiquia, stm., 2173 tons, 250 ft. (1909), Western Nav. Co., Ltd., Fort William, Ont.

†Kenora, stm., 1,955 tons, 249 ft. (1907), Canadian Lake Transp. Co., Ltd., Toronto, Ont.

‡Keyport, stm., 1721 tons, 250 ft. (1909), Keystone Trans. Co., Ltd., Montreal, Que.

‡Keywest, stm., 1725 tons, 250 ft. (1909), Keystone Trans. Co., Ltd., Montreal, Que.

†Kinmount, stm., 2,112 tons, 249 ft. (1908), Montreal Trans. Co., Ltd., Montreal, Que.

†Leafield, stm., 1,454 tons, 249 ft. (1892), Algoma Central & Hudson Bay Ry. Co., Sault Ste. Marie, Ont.

†McKee, J. A., stm., 2,158 tons, 248 ft. (1908), Western Steamship Co., Ltd., Toronto, Ont.

†McKinstry, A. E., stm., 1,964 tons, 250 ft. (1910), Canada Transportation Lines, Ltd., Montreal, Que.

†Michigan, stm., 1,730 tons, 296 ft. (1890), Canadian Pacific Ry. Co., Montreal, Que.

†Mount Stephen, see Empress of Fort William.

†Neebing, stm., 1,879 tons, 247 ft. (1903), Canadian North-West Steamship Co., Ltd., Toronto, Ont.

†Nevada, stm., 1,276 tons, 230 ft. (1890), Canadian Lake Transp. Co., Ltd., Toronto, Ont.

†Paliki, stm., 1,578 tons, 240 ft. (1889), Algoma Central & Hudson Bay Ry. Co., Sault Ste. Marie, Ont.

†Pellatt, H. M., stm., 1,592 tons, 239 ft. (1903), Canadian Lake & Ocean Nav. Co., Ltd., Toronto, Ont.

†Plummer, J. H., stm., 1,582 tons, 246 ft. (1903), Canadian Lake & Ocean Nav. Co., Ltd., Toronto, Ont.

‡Port Colborne, stm., 1729 tons, 250 ft. (1909), Swan Hunter & Wigham Richardson, Ltd., Wallsend, G. B.

†Regina, stm., 1,957 tons, 249 ft. (1907), Canadian Lake Transp. Co., Ltd., Toronto, Ont.

†Renwick, stm., 664 tons, 180 ft. (1890), Renwick Co., Ltd., Toronto, Ont.

†Saguenay, stm., 2,777 tons, 258 ft. (1911), Richelieu & Ontario Nav. Co., Montreal, Que.

‡Saskatoon, stm., J. W. Norcross & Co., Toronto, Ont.

†Savoy, stm., 348 tons, 129 ft. (1895), Compagnie Maritime et Commerciale, Anticosti, Que.

†Scottish Hero, stm., 2,202 tons, 297 ft. (1895), Canadian Lake & Ocean Nav. Co., Ltd., Toronto, Ont.

†Tagona, stm., 2,004 tons, 249 ft. (1908), Canadian Lake & Ocean Nav. Co., Ltd., onto, Ont.

‡Toiler, motor ship, 248 ft. (1911), Canada Transportation Lines, Ltd., Montreal, Que.

†Turret Cape, stm., 1,827 tons, 253 ft. (1896), Canadian Lake & Ocean Nav. Co., Ltd., Toronto, Ont.

†Turret Chief, stm., 1,881 tons, 253 ft. (1896), Canadian Lake & Ocean Nav. Co., Ltd., Toronto, Ont.

†Turret Court, stm., 1,879 tons, 253 ft. (1896), Canadian Ocean & Inland Nav. Co., Ltd., Toronto, Ont.

†Wexford,, stm., 2,104 tons, 250 ft. (1883), Western Steamship Co., Ltd., Toronto, Ont.

‡Yorkton, stm., 250 ft. (1911), Matthews Steamship Co., Toronto, Ont.

Vessel Owners and Managers of the Great Lakes.

With Names and Gross Tonnage of Steam and Power Vessels They Control.
‡Indicates vessel is built of iron or steel.

Aagaard, P., Illinois Central, Chicago, Ill. — Gross Tons
Gas. Illinois Central 12

Abbots, Jr., Montreal, Que.
Slp. Elise 321

Abrahamson, Lars J., Ludington, Mich.
Gas. Maurice F. 8

Affleck, E. T., Toledo, O.
Gyt. Hussar II 44

Aldrich, Byron S., Detroit, Mich.
Str. Sachem 739

Alger, Fred M., Detroit, Mich.
‡Sty. Colonia 259

Alger, Russell A., Detroit, Mich.
‡Gyt. Elfay 84
Gyt. Gypsy Joe 17

Algoma Central Steamship Line, Sault Ste Marie, Ont.
‡Str. Leafield 1453
‡Str. Paliki 1578
‡Str. Thos. J. Drummond 2201
‡Str. Franz (nee Uranus) 3748
‡Str. Frater (nee Saturn) 3717
‡Str. Agawa 3516

Allard, Lewis, Charlevoix, Mich.
Gas. Sea Gull 7

Allen, A., Kewaunee, Wis.
Str. Elsa M. 14

Allen, Horace, Hammond, N. Y.
Str. Milton 19

Allie, Amos, Two Rivers, Wis.
Gas. Coila 6

Allie, Nelson, Two Rivers, Wis.
Gas. Dorothy A. 9

Allie, John V., Two Rivers, Wis.
Gas. Isabella 16

Allie, Eugene, Two Rivers, Wis.
Gas. Gervase A. 13

Allmendinger, G. A., Benton Harbor, Mich.
Tug Gunderson Bros. 16

Alpern, Morris, Alpena, Mich.
Gas. Fannie A. 10

Alworth, M. A., Duluth, Minn.
Gas. Sea Foam 46

American Cedar & Lumber Co., Alpena, Mich.
Str. James H. Shrigley 459

American Construction Co., Cleveland, O.
Str. C. R. Edson 40

American Steamship Co., 382 Sixth St., Milwaukee, Wis. — Gross Tons
Str. Panther 1634

Ames, & Son,, G. W., Mgrs., 214 Germania Ave., Saginaw, Mich.
Str. R. B. Hayes 164
Str. City of Holland 439

Anchor Line, E. & W. Trans. Co., Buffalo, N. Y.
‡Str. Allegheny 3898
‡Str. Codorus 2165
‡Str. Conemaugh 3898
‡Str. Delaware 3901
‡Str. Juniata 4333
‡Str. Mahoning 2189
‡Str. Octorara 4329
‡Str. Muncy 3863
‡Str. Schuylkill 2206
‡Str. Susquehanna 2781
‡Str. Tionesta 4329
‡Str. Wissahickon 4062

Anderson, Anders, Arcadia, Mich.
Gas. Mary A. 9

Anderson, Andrew, Marinette, Wis.
Gas. Eagle 7

Anderson, Charles E., Charleoix, Mich.
Gas. Hope 11

Anderson, Charles, Sheboygan, Wis.
Str. J. S. Crouse 82

Anderson, D., Montreal, Que.
Tug St. George 68
Str. Antelope 83

Anderson, Peter, Marquette, Mich.
Str. Columbia 83

Anderson, Wm., Mgr. Room 812, 175 W. Jackson blvd., Chicago, Ill.
Str. City of London 2005

Andrews, D. H., Mgr., Ellicott Sq., Buffalo, N. Y.
Str. Winnipeg 1708

Anderson & Smith, Marinette, Wis.
Tug Satisfaction 47

Ann Arbor R. R. & S. S. Line, Detroit, Mich.
C. F. Ann Arbor No. 2 1144
‡C. F. Ann Arbor No. 3 1677
‡C. F. Ann Arbor No. 4 1884
‡C. F. Ann Arbor No. 5 2884

Ansley, H. W., Port Dover, Ont.
Str. Gambler 25
Str. E. C. Oggel 26

Argo Steamship Co., 821 Rockefeller bldg., Cleveland, O
Str. Argo 721
‡Str. Erwin L. Fisher 1184

Argyle, S. S. Co., Ltd., Toronto, Ont.
Str. Argyle 700

Armstrong, I. M., Port Colborne, Ont. — Gross Tons
Str. A. D. Cross 47

Arnold Transit Co., Mackinaw Island, Mich.
Str. Chippewa 398
‡Str. Mackinac 350
Str. E. C. Hart 522
Str. Elva 81
Str. Islander 291

Ashley & Dustin, Detroit, Mich.
‡Str. Frank E. Kirby 532
‡Str. Put-in-Bay 1182

Ashtabula Steamship Co., F. H. Miner Mgr., Rockefeller bldg., Cleveland, O.
‡Str. Normania 4871

Baker, A. E., Dunkirk, N. Y.
Yt. Matt Wagner 53

Baker, Curtis L., Sturgeon Bay, Wis.
Tug Minnie Warren 19

Baker, Harris W., Detroit, Mich.
Str. T. W. Snook 168
Str. Gogebic 1680
Str. Douglas 230

Ball, Wm., Chatham, Ont.
Str. Ossifrage 632

Balow, Fred, South Haven, Mich.
Str. Walter S. 35

Balow, Herman, St. Joseph, Mich.
Str. Edward K. 53

Barnett & Record Co., Duluth, Minn.
Tug John E. Meyer 133
Str. Charley Ferris 54
Gas. Interstate 7

Barnett, W. J., Kenosha, Wis.
Str. William Engel 47

Bassett, W. J., Collingwood, Ont.
‡Str. Wexford 2104

Bates, Charles, Clear Creek, Ont.
Tug Ida Bell 6

Bay Shore Stbt. Co., Green Bay, Wis.
Str. Chas. McVea 331

Bay Transportation Co., Sandusky, O.
‡Stp. G. A. Boeckling 328

Beaubien Ice & Coal Co., Detroit, Mich.
Tug Farragut 14
Tug F. J. Haynes 27

Beaudein, Philip, Charlevoix, Mich.
Gas. Lucia A. 7

Gross Tons

Beaver Island Lumber Co.,
St. James, Mich.
Str. Charles C. Ryan..... 28

Beck, C., Mfg. Co., Ltd.,
Penetanguishene, Ont.
Tug Wahnapitae 153

Becker, W. H., Mgr.,
Western Reserve bldg.,
Cleveland, O.
‡Str. Francis Widlar 4682
‡Str. B. F. Jones.....6939
‡Str. Jas. Laughlin.....6939
‡Str. R. W. England.....3887
‡Str. Thos. Walters.....7518
Str. G. J. Grammer.....4471
‡Str. Francis L. Robbins.....4222
‡Str. W. G. Pollock.....4872
‡Str. Joshua Rhodes 4871
‡Str. Alexis W. Thompson....6436
‡Str. John A. Donaldson.....4315
‡Str. Willis L. King .....
‡Str. Edw. N. Ohl.....5141

Beerklund, Erick P.,
Manistee, Mich.
Gap Carlew 5

Belknap & Philips,
St. Clair, Mich.
Str. Maud 98

Bell, George F., Mgr.,
7 Marine bldg., Toledo, O.
Str. Tempest .....
Tug Pallister 34

Bell, J. M.,
Ottawa, Ont.
Str. E. G. Laverdure..... 54

Bell Fish Co., R.,
Port Clinton, O.
Tug Active 13
Tug Erie 21

Bell, W. J.,
Sudbury, Ont.
Str. P. S. Hiesordt..... 45

Benjamin, R. H.,
Mackinac Island, Mich.
Gas. White Seal 14

Bennett, D. A.
St. Ignace, Mich.
Gas Sea Fox 10

Bense Fish Co.,
Port Clinton, O.
Sty. C. Gerald 36

Benson, John,
Racine, Wis.
Tug Alice 24

Benton Transit Co.
Benton Harbor, Mich.
Str. Frank Woods..... 384
Str. Chas. McVea..... 331

Bertschinger, John F.,
Egg Harbor, Wis.
Gas. Minnie R. 10

Beson, Peter,
Manitowoc, Wis.
Str. Major 12

Beutell, Robert,
W. Bay City, Mich.
Gas. Allie B. 11

Beyschlag, Charles,
St. Clair, Mich.
Str. City of Holland 439

Bickley Bros.,
Sandusky, O.
Str. W. P. Newell 15

Gross Tons

Bielman, C. F.,
Detroit, Mich.
‡Str. C. F. Bielman, Jr..... 33

Bigwood, William E.,
Byng Inlet, Ont.
Tug Maganetawan 25
Tug Julian V. O'Brien..... 14

Bird, Charles, et al.,
Cheboygan, Mich.
Gas. Pearl D. 10

Bird & Perkins,
Saugatuck, Mich.
Gap New Richmond 14

Bishop, E.,
Ludington, Mich.
Gas. Ida 10

Bjorkquist Bros.,
Manistee, Mich.
Gas. Cape Pigeon 12

Blain, A. W.,
Menominee, Mich.
Str. Adiramled 565

Blind River Towing Co.,
Sarnia, Ont.
Tug J. McKean 36

Blodgett, O. W.,
Bay City, Mich.
Str. C. H. Bradley..... 804
Str. Zillah 748
Str. Myron 676

Blume, H. A.,
Duluth, Minn.
Tug Fanchon 13

Bohn, Michael,
Racine, Wis.
Str. Monitor 15

Boisvert, F.,
St. Croix, Que.
Str. St. Croix..... 506

Boland & Cornelius, Mgrs.,
Buffalo, N. Y.
‡Str. Clifford F. Moll.....5141
‡Str. Theodore H. Wickwire..5141
‡Str. Theodore H. Wickwire, Jr.6077
‡Str. Selwyn Eddy 2846
‡Str. L. R. Davidson.....6356
‡Str. John J. Boland.....6035
‡Str. Niagara 1951
‡Str. Adam E. Cornelius.....4900
‡Str. Kensington 3762
‡Str. Jacob T. Kopp.....6035
‡Str. Harry Yates 6077

Boldt, George C.,
Alexandria Bay, N. Y.
Tug Queen 29

Boone, C. S.,
Toronto, Ont.
Dge. General Meade 244
Dge. Kingsford 270
Dge. Wingfield 191

Booth, E. A.,
Kingston, Ont.
Tug Saginaw 350

Booth Fisheries Co.,
Chicago, Ill.
‡Tug Alert 2
Gas. Arbutus 13
‡Str. America 681
Str. Birmingham 23
Str. C. W. Endress 73
‡Tug Chattanooga 47
‡Tug Cincinnati 47
Tug Comet 18
‡Str. Courtney L. 48
Str. C. W. Turner 14
Tug Duchess 30
‡Str. Easton 460

Gross Tons

Tug Effie B. 43
Tug E. M. B. A..... 44
Str. Francis R. Anderson..... 30
Gas. Harold 9
‡Str. Hollis M. 48
Tug Hugh Stocker..... 30
Gas. Hulda 9
Tug J. L. Wyland 27
‡Tug Louisville 47
Tug Major Wilcox 15
‡Tug Nashville 47
Str. Niagara 23
Str. Owen Rice 16
Tug Peter Coates 32
Str. S. B. Barker 176
Tug Seawing 39
Str. Valiant 33
Str. W. G. Harrow..... 84

Boprey, Louis,
Green Bay, Wis.
Str. Eagle 14

Borg, A., et al.,
Ludington, Mich.
Gas. Harold B. 9

Bossler, John T.,
Port Washington, Wis.
Gas. White Swan 7

Boswell, Guy L.,
St. Joseph, Mich.
Gas. Helen B. 10

Bourgois, C.,
St. Angels, Three Rivers, Que.
Str. Bourgois 94
Str. Glacial 109

Boutell. Benj.,
Bay City, Mich.
Tug Annie Moiles 72

Bowman, A. F.,
Southampton, Ont.
Tug Pt. Elgin Queen..... 37

Bowman, John,
Rossport, Ont.
Tug Orcadia 26

Boyd, Harry H.,
Erie, Pa.
Str. Liberty 36

Bradley, M. A.,
Marion bldg., Cleveland, O.
‡Str. M. A. Bradley.....5539

Breakwater Co., The,
Cleveland, O.
Tug Anson M. Bangs 178

Breyman, George H.,
Toledo, O.
‡Tug Dexter 36
Tug Edward Shelby 27

Breyman, John B.,
Toledo, O.
Tug Annie 75
Tug G. H. Breyman..... 60
Tug John B. Breyman..... 59

Breymann & Bros., G. H.,
Toledo, O.
Dge. G. H. B. & Bros. No. 1.. 214
Dge. G. H. B. & Bros. No. 2.. 259
Dge. G. H. B. & Bros. No. 3.. 229

Bridgeburg & Black Rock Ferry Co.,
Fort Erie, Ont.
Str. Hope 170

Britnell, A. M.,
Toronto, Ont.
Str. A. H. Jennie..... 197

Brockville & Morristown Transp. Co.,
Morristown, N. Y.
Str. Bigelow, H. P. 46

Brockville Transp. Co.,
Brockville, Ont.
Str. Senator Derbyshire 1312

Brokate & Bro., George,
Sandusky, O.
Str. Brokate 140

Brooke, Edward,
Glen Harbor, Mich.
Gap. Wonder 7

Brown, G. A.,
Port Burwell, Ont.
Str. Belle 15

Brown & Co., Managers,
Chamber of Commerce,
Buffalo, N. Y.,
‡Str. G. A. Tomlinson 6361
‡Str. J. J. H. Brown 5069
Str. Lewiston 1808
‡Str. Truesdale, Wm. H. 5057
‡Str. P. P. Miller 3845
Str. Robt Mills 2070

Brown Steamship Co.,
1624 Rockefeller bldg.
‡Str. Castalia 3125

Brown, Wm. H.,
Ludington, Mich.
Gas. Fox 9

Buckeye Lake Sand Co.,
Sandusky, O.
Str. Mary Groh 139

Buckler, Wm.,
Leland, Mich.
Gas. Daisy 6

Buckley, Jas.,
Prescott, Ont.
Tug Myra ..... ffl 73

Budzis, Michel,
Green Bay, Wis.
Gas. Edward K. 9

Buffalo, City of,
Buffalo, N. Y.
F. B. George R. Potter 133
Pol. Bt. Grover Cleveland 59
F. B. John M. Hutchinson 90
‡F. B. W. S. Grattan 268

Buffalo Dredging Co.,
Buffalo, N. Y.
‡Tug Charles E. Williams 106
Str. Temple Emery 155
Gas. C. W. Galivan 12
Dge. No. 1 431
Drl. No. 1 191
Drl. No. 2 325
Dge. No. 3 170
Drk. No. 3 318
Drl. No. 3 234

Buffalo Transit Co.,
Brown & Co., Mgrs.,
Buffalo, N. Y.
‡Str. Lackawanna 2015
‡Str. Scranton 2015

Buffalo & Grand Island Ferry Co.,
Buffalo, N. Y.
Str. Grand Island 222

Bulgaria Transp. Co.,
Green Bay, Wis.
Str. Bulgaria 1888

Bunn, Elery,
Elk Rapids, Mich.
Gas. Trix 8

Burg, Henry,
Erie, Pa.
Tug Matt. H. Esser 34

Burke, E. F.,
Midland, Ont.
Str. Chamberlain .....

Burkhardt, Joseph,
Oconto, Wis.
Gas. Raymond B. 6

Burns, Bros., 716 Franklin St.,
Detroit, Mich.
Str. Gettysburg 837

Cady, D. A.,
Ormo, Wis.
Stp. Albatross 87

Calcite Transportation Co.,
Detroit, Mich.
‡Str. Calcite .....

Callister, Wm. H., et al.,
Grand Haven, Mich.
Str. Frank Edward 39

Calumet Transit Co.,
Hutchinson & Co., Mngrs.,
Cleveland, O.
Str. E. M. Peck 1809

Calumet Trans. Co., M. A. Hanna & Co., Mgrs., Cleveland, O.
‡Str. Geo. A. Flagg 3062
‡Str. R. S. Warner 3062
‡Str. O. A. Shaw 6336
‡Str. R. L. Agassiz 6530

Calvin Co., Ltd.,
Garden Island, Ont.
Str. Simla 1490
Str. India 976
Str. Cornwall 914
Str. Parthia 198
Str. Frontenac 111
Str. W. Johnston 95

Calvin, H. A.,
Kingston, Ont.
Yt. Blue Bell 12

Cambria Steamship Co.,
M. A. Hanna & Co., Mgrs.,
Cleveland, O.
‡Str. Daniel J. Morrell 7239
‡Str. Edward Y. Townsend 7438

Cameron, J. A.,
Thurso, Que.
Str. Aid 25

Cameron, J. D.,
Quebec, Que.
Str. Activity 22

Campbell, A. D.,
Michigan City, Ind.
‡Str. Roanoke 423

Campbell, James,
Saugatuck, Mich.
Gap. West Shore 6

Campbell, L. D.,
Duluth, Minn.
Gas. Red Wing 13

Campbell, P. D.,
Charlevoix, Mich.
Str. Beaver 121

Canada Atlantic Trans. Co.,
95 McGill St., Montreal, Can.
‡Str. Geo. N. Orr 2872
‡Str. Arthur Orr 2745
‡Str. Newona 2179
‡Str. Kearsarge 3092

Canada Iron Furnace Co.,
Midland, Ont.
Tug D. L. White 56

Canadian Forwarding & Export Co.,
Montreal, Que.
Str. Armenia 467

Canadian General Development Co., Ltd.,
Montreal, Canada
Dge. Cadeco No. 1 336
Str. Sogenada 65

Canadian Iron Furnace Co., Ltd.,
Radnor Forges, Que.
Yt. Voyageur 44

Canadian Lake Trans. Co.,
1315 Traders Bank bldg.,
Toronto, Ont.
‡Str. Arabian 1073
‡Str. Sequin 1141
‡Str. Corunna 1256
‡Str. Nevada 1257

Canadian Lake & Ocean Nav. Co.,
Toronto, Can.
‡Str. Turret Court 1879
‡Str. Turret Chief 1618
‡Str. Turret Cape 1827
‡Str. Scottish Hero 2201

Canadian Pacific Car & Passenger Transfer Co., Ltd.,
Prescott, Ont.
‡Str. Charels Lyon 1600

Canadian Pacific Ry. Co.
Montreal, Que.
‡Str. Alberta 2282
‡Str. Assiniboia 3879
‡Str. Athabasca 2269
‡Str. Keewatin 3856
‡Str. Manitoba 2116
‡Str. Michigan 1615
‡Str. Ontario 1615

Canadian Towing & Wrecking Co.,
Port Arthur, Ont.
Tug A. F. Bowman 113
‡Tug James Whalen 313
Tug J. D. Morrison 116
Tug. Edward Fiske 73
Tug Eliza Williams 37

Canal Quarry Co.,
Buffalo, N. Y.
Ltr. W. W. Stewart 294

Capital Transp. Co.,
J. A. Francombe, Mgr.,
Detroit, Mich.
‡Str. Benjamin Noble 1481

Capron, Chas.,
Clayton, N. Y.
Str. Imogene 28

Carbray, Son & Co., Agents,
Quebec, Canada.
Str. Omaha 1231

Carkin, Stickney & Cram,
Detroit, Mich.
Tug Grayling 15

Carlaw & Smith,
Belleville, Ont.
Str. Black Douglass 750

Carlson, Chas. S.,
Racine, Wis.
Str. Neptune 11

Carlson, Frank,
Manistee, Mich.
Gas. Cape Pigeon 8

Carman, T. S.,
Belleville, Ont.
Str. Carmana 56

Carrollton Steamship Co.,
Carrollton, Mich.
Str. Langell Boys 387

Gross Tons

Carron, Edward,
Two Rivers, Wis.
Gas. Rough Rider 12

Carrow, S. A.,
Cheboygan, Mich.
Tug Bob Stephenson 18

Carter, DeWitt,
Port Colborne, Ont.
Tug Escort 40

Carter, E. D.,
Erie, Pa.
‡Str. Luzon 3582
‡Str. Panay 3811
‡Str. E. D. Carter.....6359
‡Str. J. H. Bartow.....6316

Carter, W. W.,
Fesserton, Ont.
Tug John William..... 14

Cartier Lumber Co.,
Ludington, Mich.
Str. Helen Taylor 43
Str. John C. Mann..... 33
‡Tug Sport 45

Case Fish Co.,
Cleveland, O.
Tug Web 24
Str. Willard L. 46

Cavanagh, Peter,
Perth, Ont.
Str. St. Louis.....
Str. Arrah Wanna..... 20

Cedar Point Resort Co., The ,
Sandusky, O.
Str. A. Wehrle Jr..... 421

Central Canada Coal Co.,
Brockville, Ont.
Str. Samuel Marshall 755

Chambers, Patrick,
Fish Creek, Wis.
Tug L. P. Hill..... 22

Champlain Transp. Co.,
Burlington, Vt.
‡Str. Chateaugay 742
‡Str. Ticonderoga 892
‡Str. Vermont 1125

Chapin, W. B.,
Cheboygan, Mich.
Tug Myrtle 41

Chapman, F. S.,
Cheboygan, Mich.
Gas. Pup 11

Charlemagne & Lac Oureau Lumber Co.,
Montreal, Que.
Tug Charlemagne 76

Charlevoix Lumber Co.,
Charlevoix, Mich.
Tug J. V. Taylor 40

Charlton, John.
Lyndock, Ont.
Tug Balize 250
Tug Onaping 256

Chequamegon Bay Trans. Co.,
Ashland, Wis.
Str. Skater 92

Chesbrough, A. M.,
Toledo, O.
Dge. Dolphin 82

Chesbrough Bros.,
Emerson, Mich.
Str. Felix Carbray 591

Gross Tons

Chesbrough, F. B.,
Emerson, Mich.
Tug Josephine 46

Chicago, City of,
Chicago, Ill.
F. B. Chicago 78
F. B. Joseph Medill 309
F. B. Michael W. Conway..... 144
‡F. B. Illinois 287
‡Tug Graeme Stewart 309
F. B. Yosemite 142
F. B. D. J. Swenie 143
Str. R. P. Easton 19
Gas Bowser 9

Chicago Lighterage Co.,
Chicago, Ill.
Str. R. A. Seymour, Jr..... 131
‡Str. James A. Pugh 448

Chicago Lumber Co.,
Manistique, Mich.
Str. Gifford 63

Chicago Nav. Co., D. Sullivan & Co., Mgrs.,
Western Union bldg., Chicago, Ill.
‡Str. J. S. Dunham.....4795
‡Str. W. E. Fitzgerald.....4940

Chicago, Racine & Milwaukee Line,
Chicago, Ill.
Str. Racine 1089
Str. Kansas 835
Str. Manistee 843

Chicago & Duluth Trans. Co., D. Sullivan & Co., Mgrs.,
Western Union bldg., Chicago, Ill.
‡Str. Minnekahta 2818
‡Str. Minnetonka 2419
‡Str. Minnesota .....

Chicago & South Haven S. S. Co.
314 N. Clark St., Chicago, Ill.
Stp. City of South Haven.....1719
Str. Petoskey 770

Christianson, August,
Pentwater, Mich.
Gas. Two Brothers 11

Christianson, Elias,
Marinette, Wis.
Gas. Edna C. 8

Christianson, H.,
Duluth, Minn.
Gas. Grace J. 24

Churchill Lumber Co.,
Alpena, Mich.
Str. W. J. Carter..... 235

Christianson, Ole,
Detroit Harbor, Wis.
Gas. Flotilla 12

Clark, F. E.,
Sturgeon Falls, Ont.
Str. Gowganda 25

Cleland, Herbert,
Collingwood, Ont.
‡Str. Soo City 331

Clement, I.,
Montreal, Que.
Str. Agnes McMahon 81
Tug Gertie 17
Tug Plover 40
Tug Tim Doyle 15

Clemons, Geo. L.,
Clemons, N. Y.
Sty. Dresden 30

Gross Tons

Cleveland & Buffalo Trans. Co.
Cleveland.
‡Str. Secandbee .....
‡Str. City of Erie 2498
‡Str. City of Buffalo 2940
‡Str. State of Ohio 1222

Cleveland Cliffs Iron Co., The,
Cleveland.
‡Str. William G. Mather 6838
‡Str. Choctaw 1573
‡Str. Ishpeming 6924
‡Str. Pontiac 2298
‡Str. Frontenac 2003
‡Str. Andaste 1574
‡Str. Michigan 6924
‡Str. J. H. Sheadle 6924

Cleveland Cliffs Iron Co., The,
Mgrs. Hopkins Steamship Co.
Cleveland.
‡Str. Centurion 3401

Cleveland Cliffs Iron Co., The,
Mgrs. Presque Isle Trans. Co.
Cleveland.
‡Str. Peter White 6184
‡Str. Presque Isle 4576
‡Str. Angeline 4644

Cleveland Fish Co.,
Wm. Wood (M. O.), Cleveland, O.
Str. John P. Manning..... 13

Cline, Weston U.,
Massena, N. Y.
‡Str. Capt. Hemans 84

Cline, Willis W.,
Massena, N. Y.
Str. Algona 92

Clow, D. J.,
Duluth, Minn.
Str. News Boy 199

Clow, H. D. (M. O.),
Duluth, Minn.
Str. Plow Boy 65

Clow Transportation Co.,
Marinette, Wis.
Str. Liberty 143

Coast & Interior Contracting Co.,
Fayetteville, N. Y.
Tug George Pankrantz 63

Coffey, Alice,
Manistique, Mich.
Str. Anabel 47

Coffey, John,
Manistique, Mich.
Str. Alice C. 81
Str. Burger 47

Cole, Thomas F.,
Duluth, Minn.
Sty. Alvina 526

Cole Transportation Co., The
Darius.
Detroit, Mich.
‡Str. Huron 538
‡Str. Idlewild 363

Colgan, Peter B.,
Dunkirk, N. Y.
Tug Warnick 24

Collingwood Shipping Co., Ltd.,
Collingwood, Ont.
Str. Wasaga 1619

Collins Bay Forwarding Co.,
Kingston, Ont.
Str. Orion 846

Collins Bay Rafting & Towing Co.,
Kingston, Ont.
Tug. Petrel 346

Gross Tons

Comstock, W. H., Brockville, Ont.
Str. Albani 58
Sty. Vernon, Jr. 23

Conger-Lehigh Coal Co., Ltd., 95 Bay St., Toronto, Ont.
Str. Congercoal 511

Conlin, T., Thorold, Ont.
Tug. Edward Blake..... 22

Connelly Bros., Buffalo, N. Y.
Tug Connelly Bros. 9
Tug Baby .....

Cook & Brown Lime Co., Oshkosh, Wis.
Str. Herman Hitz 180
Str. Nellie B. 28
Str. R. C. Brown 184

Cook, George, et al., Leland, Mich.
Gas. Why Not 8

Cooke, B. C., Superior, Wis.
Gas. Perhaps 13

Cooper, J., Chatham, Ont.
Tug Nina 11

Cooper, John, Chatham, Ont.
Str. W. S. Ireland 105

Corlett, Claude J., Cheboygan, Mich.
Gas. Trout 6

Cornell, J. W., Detroit Harbor, Wis.
Str. Henry Gust 37
Tug Welcome 10

Cornell, N. S., Port Stanley, Ont.
Str. Frank G. MacAulay 43
Str. Cisco 42

Corrigan, McKinney & Co., Mgrs., Perry-Payne bldg., Cleveland, O.
‡Str. Australia 3845
‡Str. Amazon 3702
‡Str. Poynesia 3640
‡Str. Price McKinney 5250

Cosgrove, L. J., Toronto, Ont.
Str. Island Queen 98

Counard, Gus, Green Bay, Wis.
Gas. Preble 10

Counard, Paul, Green Bay, Wis.
Gas. Arrawanna 13

Cowles, B. L., Buffalo, N. Y.
Tug Crescent 385
‡Str. Theodore E. Cowles..... 33

Cox, Emily M., Alexandria Bay, N. Y.
H. B. Amaryllis 140

Coyle, Frank P., Erie, Pa.
‡Str. Erastus C. Knight 47

Craig, George L., Toledo, O.
Str. Mackinac .....

Craig, John, Manager, Toledo, O.
‡Str. George L. Craig.....3762
‡Str. Thomas Adams 3784
‡Eugene Zimmerman 5630

Gross Tons

Cranage, S. P., Bay City, Mich.
Str. City of Paris 2062

Crandell, George, Lindsay, Ont.
Str. Commodore 175

Crapeau, F. X., Sorel, Que.
Str. St. Anne..... 14

Crawford, Andrew H., Saugatuck, Mich.
Str. Tennessee 691

Crawford, J. V., Wiarton, Ont.
Str. Joe Milton 93

Crosby Transportation Co., Milwaukee, Wis.
Str. E. G. Crosby 2142
Str. Nyack 1188
Str. Conestoga 1726
Str. Mary Graham..... 91

Crow, H. E., Chatham, Ont.
Str. Halley's Comet 50

Croze, Joseph, Houghton, Mich.
Tug Cora A. Sheldon..... 54
Tug Valerie 59

Cummings, Cora D., Oconto, Wis.
Gas. Fisher 9

Daggett, Carl R., Erie, Pa.
Str. Royal 27

Dahlmer, John Dunkirk, N. Y.
Tug L. W. Knapp..... 17
Tug Margaret Dahlmer ....

Dahlmer, Lawrence B., Dunkirk, N. Y.
Str. Margaret D..... 31

Dalmer, Sophia M., Dunkirk, N. Y.
Tug John Smith 14

Daly & Hannan Dredging Co., Ogdensburg, N. Y.
Dge. Denver 1295
‡Tug Chas. F. Dunbar 136
Str. Oclemena 149
Tug Rescue 37
Tug Spencer Mead..... 17

Dana, F., Alexandria Bay, N. Y.
Str. Riverside 124

Danforth & Canine, Ludington, Mich.
Str. Sea Gull 22

Daniels Estate of Lewis, Vergennes, Vt.
Str. Alexander 18

Dansereau, Joseph H., Vercheres, Que.
Str. Monarque 136

Darragh, E. W., Owen Sound, Ont.
Tug Heather Bell2 20

Darrow, Samuel C. and Edward, Traverse City, Mich.
Gas. Wego 7

Davidson, D., Penetanguishene, Ont.
Str. Maud 40

Gross Tons

Davidson, James, Bay City, Mich.
Str. Sacramento 2380
Str. Orinco 2226
Str. Shenandoah 2251
Str. Amazonas 2229
Str. Venezuela 2125
Tug Maud S. 45
Tug Sardinia 33

Davidson, S. S. Co., Duluth, Minn.
Tug Giant 10

Davidson, W. C., Grand Marais, Mich.
Tug J. W. Ward 40

Davies, J. L., Levis, Que.
‡Str. Strathcona 495

Davies, W. T., Levis, Que.
Tug Victor 35

Davis, George E., Sebewaing, Mich.
Gas. H. J. Davis..... 45

Davis, J. H., Kingston, Ont.
Str. Ilderim 18

Davis, W. H., Ottawa, Ont.
Tug H. C. Curtis 36
Tug Mona 25

Davis, W. P., Ottawa, Ont.
Tug Heward McMaugh 82

Davock, J. R., Mgr., 956 Rockefeller bldg., Cleveland, O.
Str. Louisiana 1929
Str. Italia 2305
(Chartered)
Str. Caledonia 2197
(Chartered)

Dearborn Transit Co., Detroit, Mich.
‡Str. E. L. Wallace 4956

Degergus, John, Ludington, Mich.
Tug George D. Sanford Jr.... 51

DeHaas, M. M., Marquette, Mich.
‡Str. Nellie Cotton 37

Deist, John, Sandusky, O.
Str. Columbus 26

Denessen, Theo. J., Green Bay, Wis
Tug John Denessen 39

Denessen, William, Green Bay, Wis.
Str. Nettie Denessen 54

Department Railways and Canals, Ottawa, Que.
Tug Bessie Butler 60
Tug Loretta 60

Deremo, Clark, Grand Haven, Mich.
Str. Theresa D. 11

Derksen, H. C., Oshkosh, Wis.
Sty. Irma 30

Derrosia, William, Cheboygan, Mich.
Gas. Black Diamond 8

Gross Tons

Desana, John A.,
Wyandotte, Mich.
Sti. Vaneita 37

Deschambault & Lotbiniere S. S. Co.,
Quebec, Que.
Str. St. Louis 428

Desmond, Timothy J.,
Dunkirk, N. Y.
Tug John Desmond 44
Tug Jennie A. Desmond 14
Tug Viola 31

Detroit & Cleveland Nav. Co.,
A. A. Schantz, Supt.,
Detroit, Mich.
‡Str. City of Cleveland III 4568
‡Str. City of Detroit III .....
‡Str. City of Detroit II 1919
‡Str. City of Alpena II.....1735
‡Str. City of Mackniac II.....1749
‡Str. City of the Straits.....1094
‡Str. City of St. Ignace.....1923
‡State of New York..... 808
‡Str. Eastern States.....3077
‡Str. Western States.....3077

Detroit & Windsor Ferry Co.,
Detroit, Mich.
‡Str. Brittania 791
‡Str. Sainte Claire 807
Str. Victoria 192
Str. Excelsior 229
Str. Garland 248
Str. Sappho 223
Str. Promise 473
Str. Pleasure 489
Str. Pappoose .....
‡Str. Columbia 968

Detroit Boat Club,
Detroit, Mich.
Gas. D. B. C. III 30

Detroit, City of,
Detroit, Mich.
‡F. B. James Battle 198
‡F. B. James R. Elliott 210

Detroit Dredging Co., Ltd.,
Detroit, Mich.
Dge. No. 1 152

Detroit River Transit Co.,
Detroit, Mich.
Str. Desmond 456

Detroit S. S. Co., D. Sullivan & Co., Managers,
Chicago, Ill.
‡Str. C. W. Kotcher 4961

Detroit Yacht Club,
Detroit, Mich.
Gas. D. Y. C. III 12

Devian, Lewis,
Alexandria Bay, N. Y.
Str. Aida 37

Devine, Henry,
Sturgeon Bay, Wis.
Str. Ralph M. Cooper 36

Dewey, J. B.,
Monroe, Mich.
Tug R. Porter Lee 13
Sty. North Star 23

Dewey, J. N.,
Toledo, O.
Str. Charles Reed 44
Str. Roma 15

Dix, J.,
Kingston, Ont.
Str. Valeria 52

Gross Tons

Dodge, E. J.,
Put-in-Bay, Ohio.
Str. Ina 16
‡Str. Tourist 64

Dollar Bay Sand & Imp. Co.,
Dollar Bay, Mich.
Tug George Rogers 64

Dominion Coal Co.,
Montreal, Que.
Str. Bonavista 1306

Dominion Fish Co.,
Winnipeg, Man., Canada.
Tug. Caribou 596
Tug. Clucas 28
Tug. D'Alton McCarthy 54
Str. Elite 22
Str. Eagle 12
Tug. Evelyn 32
Tug. Gordon Gauthier 26
Tug. H. Gauthier 9
Tug. Juno 28
Tug. Killarney Belle 28
Str. Manitou 470
Tug. Sea King 26
Tug. Sea Queen 18
Tug. Wm. H. Siebold..... 22

Dominion Government,
Ottawa, Ont.
‡Tug Helena 263

Dominion Transportation Co.,
Majestic bldg., Chicago, Ill.
Str. Caribou .....
Str. Manitou .....

Donaldson, O. G. & D. H.,
Buffalo, N. Y.
Str. Iron King 1702
Str. Robert Mills.....2070
‡Str. P. P. Miller 3845

"Donnacona" Ltd.,
Hamilton, Ont.
‡Str. Donnacona 1906

Donnelly Salvage & Wrecking Co.,
Kingston, Ont.
Str. Donnelly 319
Str. Saginaw .....
Str. Grantham .....

Donnelly Jr., J.,
Kingston, Ont.
Slp. Marie Stella 143

Dorion, J. H.,
Chateau Richer, Que.
Str. Rhoda 182

Dorn, John G.,
Sandusky, O.
Gyt. Companion 25

Douglass Transp. Co.,
St. Clair, Mich.
Str. Colborn, A. R. 275
Str. Welcome 212

Doville Lake Sand & Gravel Co.,
Toledo, O.
Dge. Commerce 112
‡Dge. R. E. Doville 199

Drake & Wallace,
St. Joseph, Mich.
Gap. Milton D. 12

Driscoll, Fred,
Vermilion, O.
Str. J. H. Driscoll..... 27
Str. Wm. D. Ames 30

Driscoll, Jerry,
Erie, Pa.
Str. John A. Dash 13
Gas. Gerald D. 9

Dues, N.,
Cheboygan, Mich.
Str. Sea Fox 15

Gross Tons

Duluth & Iron Range Ry. Co.,
Duluth, Minn.
‡Tug Edna G. 154
‡Tug Torrent 296

Duluth Marine Contracting Co.,
Duluth, Minn.
Tug Thomas Hood 39
Dge. Lincoln 225

Duluth Marine Supply Co.,
Duluth, Minn.
Str. Walter W. Richardson.... 22

Duluth, Mesabi & Northern Ry. Co.,
Duluth, Minn.
‡F. B. William A. McGonagle... 275

Duluth-Superior Dredging Co.,
Duluth, Minn.
Str. Alfred W. 56
Dge. Erie 186
Tug Gladiator 207

Dunbar & Sullivan Dredging Co.,
Buffalo, N. Y.
‡Dge. Brian Boru 348
‡Dge. Handy Andy 471
‡Tug Paddy Miles 33
‡Tug Phil Sheridan 35
‡Tug Shaun Rue 79
‡Tug Shaughraun 45
‡Tug Spalpeen 29
‡Dge. Tipperary Boy 379

Dunbar, H. T.,
Buffalo, N. Y.
‡Tug Shaughraun 45
‡Tug Shaun Rue 79

Dundee S. S. Co., Ltd.,
Hamilton, Ont.
‡Str. Dundee 2278

Dunkel, Wm. C.,
Oshkosh, Wis.
Gas. Anona 9

Dyment, N. & A. E.,
Barrie, Ont.
Str. Norseman 620

Eaglesfield, Elizabeth,
Grand Rapids, Mich.
Gas. Golden Girl 14

Eastland Navigation Co.,
Cleveland, O.
‡Str. Eastland 1961

Eastern Steamship Co.,
M. A. Hanna & Co., Mgrs.,
Cleveland, O.
‡Str. Joseph Wood 6360

Eaton, John C.,
Toronto, Ont.
‡Str. Florence 237
Gas. Tekla 83

Ebert, Wm. H.,
Arcadia, Mich.
Gas. Eleanor E. 8

Eblocker, Ed.,
Traverse City, Mich.
Gas. Irma E. 12

Edward Bros. Dredge Co.,
Sault Ste. Marie, Mich.
Dge. E. B. No. 1..... 181
Str. James Edward 82
Str. Hassayampa 64

Edwards, W. C., & Co.,
Rockland, Ont.
‡Tug Russell 76

Edwardsburg Starch Co.,
Montreal, Que.
Str. Cardinal 237

Gross Tons

Elliott, Daniel,
Erie, Pa.
Tug Elma 29

Elliott, Edward,
Lindsay, Ont.
Str. Greyhound 37

Ellis, Jasper,
Clayton, N. Y.
Str. Columbia 26

Ellison, J.,
Port Stanley, Ont.
Tug Ruby 72

Elphicke & Co., C. W., Mgrs.,
111 W. Jackson blvd., Chicago, Ill.
Str. Byron Whitaker.....1586

Embury-Martin Lbr. Co.,
Cheboygan, Mich.
Str. Queen Anne 14

Emig, Theobald,
1065 River Rd., St. Clair, Mich.
Str. H. N. Jex 626

Empire Engineering Corp.,
Buffalo, N. Y.
Str. John Kelderhouse 100
Tug Col. J. N. Partridge..... 15

Empire Limestone Co.,
Buffalo, N. Y.
Str. Frank L. Bapst 42
Str. Major Kingman 47

Empire Steamship Co.,
Brown & Co., Mgrs.,
Buffalo, N. Y.
‡Str. William H. Truesdale....5057

Engelson, Torges,
Detroit Harbor, Wis.
Str. Tillie E. 11

England Towing Co.,
Torrey Blvd., Duluth, Minn.
Dge. Bob Cook 224
Tug J. L. Williams 51

Erie & Michigan R. R. & Nav. Co.,
Chicago, Ill.
Str. M. T. Greene..... 523

Erie & Western Transp. Co.,
Buffalo, N. Y.
See Anchor Line

Erie R. R. Lake Line,
Buffalo, N. Y.
‡ F. D. Underwood.....3314
‡ G. A. Richardson.....2237
‡Str. John G. McCullough ...
‡Str. Delos W. Cooke.....2615
‡Str. Chemung 2615
‡Str. Owego 2611
‡Str. Tioga 2320
‡Str. Binghamton 1953

Erie Sand & Gravel Co.,
Erie, Pa.
‡Str. America 297
‡Str. Erie 290

Eschbacher, Frank P.,
Erie, Pa.
Tug Harold J. 23

Estes, Wm. A.,
Alexandria Bay, N. Y.
Sly. Mollie Hogan 23

Everett, Ben,
Erie, Pa.
Tug Sheldon Bros. 13

Evershed, F. C.,
Irondequoit, N. Y.
Str. Lookout 28

Gross Tons

Ewig, Emil,
Port Washington, Wis.
‡Str. H. Ewig 62

Fahrney, E. H.,
Oshkosh, Wis.
Gay. Illinois 43

Failing, Simon,
Pt. Peninsula, N. Y.
Slp. M. I. Wilcox..... 28

Fairchild, A.,
Frankfort, Mich.
Tug Maggie Lutz 15

Farrar Trans. Co.,
Collingwood, Ont.
‡Str. Collingwood 4314
‡Str. Meaford 1889

Fase, Peter J.,
Grand Haven, Mich.
Gas. Dora 9

Fath & Son Construction Co., C. H.,
Toledo, O.
Ker-Fall, E. H. 14

Ferris, R. J.,
Grand Haven, Mich.
Str. Lizzie Walsh..... 37

Field, Warren H.,
Sodus Point, N. Y.
Sty. Sunbeam 52

Fifield, S. S.,
Ashland, Wis.
Tug Stella 9

Filer, E. G.,
Manistee, Mich.
Gas. Juliet 37

Filgate, S.,
Montreal, Que.
Str. Richelieu 167

Finn, William,
Cascade Pt., Que.
Tug Maggie R. King..... 27

Finn & Olsen Freighting Co.,
Marinette, Wis.
Str. W. J. Carter..... 235

Fishak Gypsum Co.,
Toledo, O.
Dge. L. G. Powell 143

Fix Bros.,
Buffalo, N. Y.
Str. Clarence Fix 63
Sty. J. C. Fullerton 31
Tug Henry Koerber Jr..... 44

Fleming, O. E.,
Windsor, Ont.
Str. Nellie Lyon 384

Flook, D.,
Chatham, Ont.
Str. Dominion 138

Folger, H. S.,
Kingston, Ont.
Str. Pilgrim 262

Follette, W. H.,
Tonawanda, N. Y.
Cbt. Tuscarora 135
Str. Jesse H. Farwell 1200
Cbt. Nellie Follette 123
Cbt. Red Jacket 136

Foote, George F.,
Ithaca, N. Y.
Gas. Nydia 19

Ford, Edward,
Toledo, O.
Yt. Caroline 146

Gross Tons

Ford, E. L.,
Detroit, Mich.
‡Sty. Galatea 157
Yt. Vita 69

Forster, Chas. G.,
Milwaukee, Wis.
Str. J. W. Westcott 522

Foss, E. B.,
West Bay City, Mich.
Str. Ogemaw 594

Fountain, Joseph,
St. Ignace, Mich.
Gas. Fountain Bros. 9

Fountain, Wm.,
Scott's Pt., Mich.,
(Gould City P. O.)
Gas. Sadie F. 7

Fowler, Edward,
Green Bay, Wis.
Str. Harriet L. 19

Franklin Trans. Co., M. A. Hanna & Co., Mgrs.,
Cleveland. (610 Perry-Payne Bldg.)
‡Str. Wm. F. Fitch 3629

Frans, Chas.,
Thompson, Mich.
Gas. Norman P. 8

Fratus, Joseph,
Erie, Pa.
Tug Don 11

Frazer, William,
Little Current, Ont.
Tug John Harrison 44

Fredrickson, Chas.,
Frankfort, Mich.
Gas. Swallow 11

Fremlin, W. C.,
St. Joseph Island, Ont.
Str. John Haggart 202

Fremont Pressed Brick Co.,
Fremont, O.
Str. A. Foster 93

French River Tug Co.,
Windsor, Ont.
Tug Evelyn 85

Freyensee, Mrs. William,
Sandusky, O.
‡Str. Grandon 47

Friedrichs, Anton,
Sheboygan, Wis.
Tug Lorene 19

Frontier S. S. Co., W. M. Mills, Mgr.,
Tonawanda, N. Y.
‡Str. Chas. Weston.....6996
‡Str. James Corrigan 6971
‡Str. Daniel B. Meacham 6971
‡Str. Josiah G. Munro.....6971

Fulford, George T.,
Brockville, Ont.
Str. Dortha 51

Fuller & Lamoreaux,
Muskegon, Mich.
‡Tug Portia 21

Fuller, John T.,
Alexandria Bay, N. Y.
Str. Uvira 44

Gagnon, A.,
Quebec, Que.
Tug Charlevoix 212

Gross Tons

Gagnon, Urbain,
Two Rivers, Wis.
Gas. Golden 9

Galloway, Peter W.,
Racine, Wis.
Gas. F. Dierssen 14

Ganley Bros.,
Sault Ste. Marie, Ont.
Str. D. C. Whitney.....1090

Garlock, Cloyd J.,
Marine City, Mich.
Sch. Unadilla 396

Gartland S. S. Co.,
D. Sullivan & Co., Mgrs., Western Union bldg., Chicago, Ill.
‡Str. Wm. H. Wolf 6281

Gartshore, William,
Parry Sound, Ont.
Tug Maggie May 46

Gauley, Joseph,
Sault Ste. Marie, Ont.
Yt. Kate 47

Gauthier, Frank,
Two Rivers, Wis.
Gas. Twin River 7

Gauthier, Thomas,
Montreal, Que.
Str. Charlotte 59

Geer, Wm. W.,
Charlevoix, Mich.
Gas. Gladys G. 10

Georgian Bay Lumber Co.,
Waubaushene, Ont.
Tug Waubaushene 97

Gettys, Wm. I.,
Champlain, N. Y.
Slp. Dixie 12

Gilchrist, F. W.,
Alpena, Mich.
Str. Stephen C. Hall..... 447
Str. Clara Belle 46
Tug Fred B. 17
Tug Ralph 42

Gilchrist Transp. Co.,
John D. Gilchrist Mgr., 856 Rockefeller bldg., Cleveland, O.
‡Str. Maytham 2329
Str. Mecosta 1776
Str. Neosho 1983
‡Str. W. E. Oglebay.....3666
Str. Tacoma 1879
Str. Wallula 1924

Gill, W. F.,
Harbor Springs, Mich.
Stp. Silver Spray 95

Gille, Desire,
Green Bay, Wis.
Gas. Gwa-go-li 12

Gillen Dock, Dredge & Cons. Co., The Edward,
Racine, Wis.
Str. Wm. Rudolph 267
Tug John Leatham 75

Gillespie, Mrs. Jane,
Cornwall, Ont.
Str. City of Toronto 782

Gillespie, T. A.,
Clayton, N. Y.
Yt. Pastime 20

Gillies, George,
Gananoque, Ont.
Yt. Gilphie 19

Gross Tons

Gladstone Tug Line,
Gladstone, Mich.
Tug Ojeda 9

Goff, R. G.,
Grand River, O.
Tug Monitor 15

Gooderham, A. E.,
Toronto, Ont.
Yt. Cleopatra 104

Goodlet, P. F.,
Marinette, Wis.
Gas. Arrow 31

Goodrich Trans. Co.,
Chicago.
‡Str. Alabama 2626
Tug Arctic 71
Stp. Arizona 1041
‡Str. Christopher Columbus ...1511
‡Str. Virginia 1606
Str. Indiana 1177
Str. Carolina 1304
Str. Iowa 1157
Str. Georgia 895
Str. Chicago 746

Goodwin, Joseph,
Toronto, Ont.
Str. Ada Alice..... 60
Tug Sylvester Kneeland 46

Goss, L. S.,
Toledo, O.
Tug Dan W. Miller..... 25

Goudreaux, Alex,
Seul Choix Point, Mich.
(Gulliver P. O.)
Gas. Ella W. 11

Goudreaux, John,
Seul Choix Point, Mich.
(Gulliver P. O.)
Gas. Harvey G. 14

Grace Harbor Lumber Co.,
Detroit, Mich.
Str. Toltec 769

Graham, Andrew,
Port Stanley, Ont.
Str. Lulu May 34

Graham, F. A.,
Harbor Springs, Mich.
Gap. Sir Knight 7

Graham & Morton Trans. Co.,
Chicago, Ill.
‡Str. City of Benton Harbor....1286
‡Str. City of Chicago 1439
‡Str. Holland 1148
‡Str. Puritan 1762
‡City of Grand Rapids.....3061
‡Tug Bonita 58

Grand Rapids Gas Engine & Y. Co.,
Grand Rapids, Mich.
Gap. Kerosene Molly ..... ——

Grand Trunk Milwaukee Car Ferry Co.,
Milwaukee, Wis.
‡Str. Grand Haven 2320
‡Str. Milwaukee 2933

Grand Trunk Ry. Co.,
Windsor, Ont.
‡C. F. Transfer 1511
‡C. F. Transport 1594
‡C. F. Detroit 2089
‡Str. Lansdowne 1571
‡Str. Great Western 1080
‡Str. Huron 1052

Grant, Otto,
Pentwater, Mich.
Gas. Anna J. 7

Gross Tons

Grant, W. N.,
Fair Haven, N. Y.
Str. Dewey 13

Gratwick, W. H.,
Buffalo, N. Y.
‡Str. John J. McWilliams 3400
Str. Major 1864

Graves, Bigwood & Co.,
Foot Hertel Ave., Buffalo, N. Y.
Str. Mohegan 1216

Great Lakes Construction Co.,
Buffalo, N. Y.
Sty. Burgard 13

Great Lakes Dredge & Dock Co.,
Chicago, Ill.
Str. Rhoda Stewart 447
Tug Alert 23
Tug Andrew H. Green..... 80
Tug Charles M. Riter..... 32
Tug Dreadnaught 31
Tug Edward Gillen 57
Tug Effie L. 41
Tug Erie 43
Tug Frank R. Crane..... 16
Tug Fred Drews 28
Tug George Cooper 53
Tug George Emerson 35
Tug George T. Nelles 83
Tug Harry C. Lydon 67
Str. H. C. Wild 46
Tug John Martin 20
Tug L. P. Smith..... 73
‡Tug Marguerite 28
Tug Marion 69
Tug Medina 56
Tug Mohawk 13
Tug Nat Stickney 77
Tug Pathfinder 38
Tug Roger C. Sullivan 51
Tug Rose Jackson 35
Tug Ruby 33
Tug Violet H. Raber 50
Tug Walton B. 32
Tug Welcome 58
Tug William McCarthy 80
Dge. Columbia 522
Dge. No. 3 762
Dge. No. 6 148
Dge. No. 7 157
Dge. No. 8 275
Dge. No. 9 171
Dge. No. 11 219
Dge. No. 12 475

Great Lakes Dredging Co., Ltd.,
Port Arthur, Ont.
Str. Curlew 85
Tug Estelle 34
Str. Pete Gorman 64
Dge. Shuniah 602

Great Lakes Engineering Wks.,
Detroit, Mich.
‡Tug Ecorse 52

Great Lakes Towing Co.,
Cleveland, O.
Tug A. C. Adams 41
‡Tug Abner C. Harding..... 98
‡Tug Alpha 87
‡Tug America 123
Tug Annie 78
Tug Arthur D. 31
Tug Arthur Woods 37
Tug Alva B. 83
‡Tug A. W. Colton..... 92
Tug B. B. Inman..... 89
Tug Cascade 72
Tug C. D. Thompson..... 90
Tug Charles Hallady 48
Tug Chicago 40
Tug Charnley C. M..... 83
Tug C. L. Boynton..... 103
Tug Columbia 62
Tug Constitution 46
Tug Cornell 65
Tug Cris Grover 56
Tug Delta 47
Tug D. T. Helm 64

	Gross Tons
Str. Dunkirk	71
Tug E. G. Crosby	84
Str. E. M. Pierce	112
Tug Erastus L. Day	69
Tug Excelsior	73
Tug Fabian	72
Tug Fairmount	59
‡Tug Favorite	1223
Tug Frank W.	93
Tug George E. Brockway	164
‡Tug Harvard	75
‡Tug Harvey D. Goulder	156
Tug H. B. Abbott	56
Tug Industry	80
Tug James A. Quinn	42
Tug James Byers	54
Tug J. C. Evans	79
Tug James T. Martin	47
Tug J. H. Hackley	45
Tug John M. Truby	113
‡Tug L. C. Sabin	98
Tug Joe Harris	66
‡Tug J. R. Sprankle	44
Tug Kittie Downs	34
Tug Kunkle Bros.	55
Tug Leatham D. Smith	46
Tug Lorenzo Dimick	42
‡Tug M. D. Carrington	64
Tug Mollie Spencer	53
Tug Monarch	90
Tug Mosher	68
Tug O. B. Green	57
Str. Ohio	112
Tug Oscar C. Steadman	68
Tug Peerless	77
Tug Perfection	70
Tug Harold B. Phillips	32
Tug Princeton	43
Tug Protection	60
‡Tug Record	59
Tug Rita McDonald	69
Lighter Reliance	1738
‡Lighter Rescue	894
Tug Robert H. Hebard	65
‡Tug S. C. Schenck	126
Tug Sheboygan	62
Tug Sunol	62
Tug Superior	70
Tug T. C. Lutz	136
Ltr. T. F. Newman	855
Tug Thos. Wilson	71
Tug Tom Maytham	39
Tug Townsend Davis	67
Tug Triton	35
Tug T. T. Morford	99
Tug William A. Field	114
Tug W. A. Booth	48
Tug W. G. Mason	89
Tug W. I. Babcock	63
Tug William Dickinson	78
Tug William Kennedy	86
Tug Wisconsin	56
Str. W. L. Mercereau	98
Tug Wm. L. Scott	54
Str. Yale	99

Great Lakes & St. Lawrence Trans. Co.,
D. Sullivan & Co., Mgrs., Western Union bldg., Chicago.

‡Str. John Crerar	1550
‡Str. H. G. Dalton	1615
‡Str. A. D. Davidson	1640
‡Str. Geo. C. Howe	1550
‡Str. J. S. Keefe	1640
‡Str. John Lambert	1550
‡Str. A. M. Marshall	1646
‡Str. S. N. Parent	1640
‡Str. Robert Wallace	1640

Great Lakes S. S. Co.
(See H. S. Wilkinson)

Green, Adolph,
Green Bay, Wis.

Tug Torrent	203

Green Bay Trans. Co.
Green Bay, Wis.

Str. Eugene C. Hart	522
Str. Fannie C. Hart	476

	Gross Tons
Green, John, Buffalo, N. Y. (402 W. Ferry st.)	
Str. Lewiston	1808
Green Stone & Quarrying Co., Sawyer, Wis.	
Tug Torrent	203
Greilick, Lewis E., Traverse City, Mich.	
Gas. Truant	11
Greiling Bros., Green Bay, Wis.	
Tug Birckhead L.	32
Str. N. Boutin	46
Str. Allie E. Shipman	39
Str. Albert Soper	349
Grisdall, W. C., Bay City, Mich.	
Str. Annie	29
Guberg, Peter, Ludington, Mich.	
Gas. Epworth	7
Gustofson, E. G. F., Brevort, Mich.	
Gas. Rosey	7
Gustofson, J., et al., Ludington, Mich.	
Gas. Jennie	9
Haas, Joseph, South Manitou, Mich.	
Gap. Laurence	15
Habel, William. St. Joseph, Mich.	
Tug Sir Arthur	21
Hackett, F. B., Amherstburg, Ont.	
Str. Energy	119
Tug Home Rule	81
Hackett, H. A., Amherstburg, Ont.	
Str. La Belle	75
Hackett Towing & Wrecking Co., Amherstburg, Ont.	
‡Tug Francis B. Hackett	194
Hadlund, Thomas, Bayfield, Wis.	
Str. Arthur	25
Hall & Co., F. E., Montreal, Que.	
‡Str. Carleton	1351
‡Str. Sindbad	
‡Str. Eastwood	
‡Str. Robt. Rhodes	
Hall, George, Ogdensburg, N. Y.	
Sty. Lotus	52
Hall Coal Co., Geo., Ogdensburg, N. Y.	
Str. Fred Mercur	1224
Str. John Rugee	1216
Str. Henry B. Hall	1152
Str. Hecla	1110
Str. Phenix	1294
‡Str. F. J. Jones	
‡Str. A. D. MacTier	
‡Str. L. W. Robinson	
‡Str. W. B. Morley	
Hamburger, John, Fish Commissioner, Erie, Pa.	
Str. Commodore Perry	34
Hamill, A. L., Petoskey, Mich.	
Str. Chase S. Osborne	32
Tug Topinabee	16

	Gross Tons
Hamilton, Claude, Grand Rapids, Mich.	
Gay Lady Hamilton	21
Hamilton Ferry Co., Ltd., Hamilton, Ont.	
Str. John R.	225
Hammond, George H., Spring Lake, Mich.	
Gap. Ensing	7
Hand, William, Port Dalhousie, Ont.	
Tug Nellie Bly	13
Handy, Thomas L., Bay City, Mich.	
Str. Jay Gould	840
Haney, M. J., Toronto, Ont.	
Str. Gerald R.	51
Haney & Miller, Toronto, Ont.	
Str. John Rolph	211
Str. Juno	288
Hanlon, Leo J., Port Clinton, O.	
Gas. Blanch P.	11
Hanna, H. M., Cleveland, O.	
‡Sty. Comanche	357
Hanna, M. A. & Co., Cleveland.	
See Calumet Trans. Co.	
See Cambria S. S. Co.	
See Eastern Steamship Co.	
See Franklin Trans. Co.	
See LaBelle Steamship Co.	
See Mahoning Steamship Co.	
See Republic Iron Co.	
See Republic Transportation Co.	
See Virginia Steamship Co.	
Hannan, John, Ogdensburg, N. Y.	
Str. A. McVittie	2046
Str. Lizzie H.	15
Hanrath, John M., Frankfort, Mich.	
Gas. Elbe	9
Hansen, Hans P., Escanaba, Mich.	
Tug P. W. Arthur	21
Hansen, H. C. G., Marinette, Wis.	
Gas. Lillian	9
Hanson, Charles, Marinette, Wis.	
Gas. Queen	6
Hanson, James S., Sandusky, O.	
Gas. Alton	7
Hanson, W. H., Schenectady, N. Y.	
Sty. Cangarda	116
Harbor Commissioners, Montreal, Que.	
‡Str. Aberdeen	87
‡Str. Alphonse Racine	121
Tug St. Louis	34
Tug St. Peter	44
Tug M. P. Davis	11
Hardy, F. A., Evanston, Ill.	
Gyt. Mascotte	36

Gross Tons

Harlow, W. J.,
Toledo, O.
Str. Nipigon 626

Harrington, John P.,
Erie, Pa.
Tug Silver Spray 40

Harrison, E. J.,
Owen Sound, Ont.
Str. Churchill 150

Harrison & Sons Co., Ltd., John,
Owen Sound, Ont.
Str. Harrison 222

Harting, W. E.,
Charlevoix, Mich.
Gas. Weasel 8

Harting, Wm., et al.,
Leland, Mich.
Gas. Lotus 6

Hartman, O. C.,
Duluth, Minn.
‡Gas Columbus Y. C. 60
Str. Freemont 90

Hart Transp. Co.,
Sturgeon Bay, Wis.
Str. Bon Ami 226
Stp. Thistle 49
Str. Sailor Boy 162

Harvey-Morrison Co.,
Cleveland, O.
‡Str. Jesse Spalding.....1043
Str. H. S. Pickands..... 625
Str. W. R. Stafford..... 744
‡Str. Lehigh 1704

Haskins, H. M.,
Ashtabula, O.
Gas. Hazel H. 11

Hastie, John,
Sheguindah, Ont.
Tug Ethel 13

Havens, W. H.,
Ashtabula, O.
Str. Geo. B. Raser 554

Havey, Hugh R.,
Detroit, Mich.
Str. Hugh R. Havey.....
Str. Miami 228

Hawgood, W. A. & A. H.,
Cleveland.
‡Str. H. B. Hawgood 4655
‡Str. S. S. Curry 3931
‡Str. Wisconsin 4858
‡Str. Umbria 4803
‡Str. Edwin F. Holmes 4787
‡Str. Bransford 4657
‡Str. J. M. Jenks 4644
‡Str. Henry B. Smith.....6631

Hawley, H.,
Frankfort, Mich.
Gap. Willow H. 7

Hawley, John,
Ontonagon, Mich.
Tug The Tramp 41

Hebard, Charles S.,
Pequaming, Mich.
Str. Dan L. Hebard 159
Tug J. C. Morse..... 99

Hecker, Frank J.,
Detroit, Mich.
‡Sty. Halcyon 161

Hefferan, George,
Grand Rapids, Mich.
Sty. Florence 26

Helm, C. R.,
Duluth, Minn.
‡Str. Vulcan 1759

Gross Tons

Hendrickson, Rasmus,
Manistee, Mich.
Gas. Wyandotte 7

Hendrickson, William,
Sandusky, O.
Str. Protection 161

Hennes, L.,
Houghton, Mich.
Sty. Annie R. Hennes..... 47

Henning, Albert,
Pelee Island, Ont.
Str. Walter H. Stone..... 35

Hepburn, A. W.,
Picton, Ont.
Str. Aberdeen 142
Str. Lloyd S. Porter 489
Str. Alexandria 863
Str. Niagara 396
Str. Reliance 239
Str. Water Lily 95

Hepburn Bros.,
Picton, Ont.
Str. Ionia 1287

Hettler Lumber Co., H. H.,
2601 Elston Ave., Chicago, Ill.
Str. T. S. Christie 517
Str. Walter Vail..... 789

Heymann, C. F.,
Huron, O.
Cas. Audrey H. 9

Hickler, John H.,
Sault Ste. Marie, Mich.
Str. Minnie M. 447

Hickler, T. F.,
Sault Ste. Marie, Mich.
Tug Gen. Weitzel 33

Highstone, A.,
Detour, Mich.
Gas Elda 17

Hilborn, J. R.,
Cheboygan, Mich.
Str. Arthur 36

Hill, George,
Charlevoix, Mich.
Gas. Alice 9

Hill Steamboat Line,
Kenosha, Wis.
Str. Flora M. Hill..... 623
Str. City of Marquette..... 341

Hinckley, A. R.,
Oswego, N. Y.
Str. Hinckley 131
Str. Jessie 201

Hines Lumber Co., Edward,
Chicago.
Str. L. Edward Hines..... 982
Str. Louis Pahlow .....
Str. C. F. Curtis..... 691
Str. W. H. Sawyer..... 746
Str. L. L. Barth..... 683
Str. Oscoda 529
Str. Niko .....ffl.... 814

Hitchcock, W. R.,
Massena, N. Y.
Gas. Ariel 7

Hoadley, John,
Alexandria Bay, N. Y.
Str. I Wonder 16

Hoag, Wm. W.,
Kirkville, N. Y.
Str. O. B. Tanner 137

Hoeft, Paul H.,
Rogers City, Mich.
Str. C. H. Starke 317

Gross Tons

Hogan, M. J.,
Montreal, Que.
Tug Hector 43

Holcombe, R. F.,
Ottawa, Can.
Str. R. Anglin 97

Hollander, John,
Port Washington, Wis.
Tug A. A. C. Tessler..... 30

Holmes, A. A.,
Alexandria Bay, N. Y.
Stp. Island Belle 89

Holmes & Co., W. E., Agents,
2 Sherman St.,
Chicago, Ill.
Str. P. J. Ralph..... 964
Str. Kalkaska 679
Str. James H. Prentice..... 535
Str. Mueller 729

Holmstrom, A.,
Ludington, Mich.
Gas. Hilda H. 10

Homegardner, John,
Sandusky, O.
Str. Mary H. 209

Hompe, A. W.,
Grand Rapids, Mich.
Gas. Doloma 43

Hopkins, W.,
Traverse City, Mich.
Gas. Neptune 10

Horne, Chas. J., et al.,
Cheboygan, Mich.
Gas. Irish Girl 9

Horne, Grant,
Sarnia, Ont.
Str. S. G. Hall..... 447

Horrigan & Beagle,
Port Arthur, Ont.
Dge. Moose 233

Houghten, H.,
806 Hammond bldg., Detroit, Mich.
Str. Mary 218

Hubel, E. J.,
Menominee, Mich.
Tug James H. Martin 36

Hugo, N. F.,
Duluth, Minn.
Tug Bob Teed 45

Hummel, John,
Green Bay, Wis.
Str. Emily L. 12

Hunkin, W. J.,
12016 Lake Ave., Cleveland, O.
Str. Mentor 305

Huntsville, Lake of Bays & Lake Simcoe Nav. Co.,
Huntsville, Ont.
Str. Mohawk Belle 130
Str. Ramona 102
Tug Phoenix 29

Huot, E.,
Montreal, Que.
Tug Cape Blanc Boy..... 11

Hurkett, Oscar,
Oscoda, Mich.
Str. Ellen Gertrude 15

Hutchinson, F. T.,
Toronto, Ont.
Str. Argyle 700

Gross Tons

Hutchinson & Co., Managers, Cleveland.
‡Str. A. A. Augustus 6390
‡Str. D. R. Hanna 7023
‡Str. Joseph Block 6486
‡Str. N. F. Leopold 6929
Str. Maruba 2311
Str. Corsica 2364
‡Str. John A. McGean 5100
‡Str. William A. Paine 5798
‡Str. Martin Mullen 4635
‡Str. Joseph G. Butler Jr. 6588
‡Str. J. J. Sullivan 7077
‡Str. J. T. Hutchinson 3734
‡Str. John Stanton 6129
‡Str. Harold B. Nye 4310
‡Str. James P. Walsh 5630

Hutton, J. T., Amherstburg, Ont.
Tug D. N. Runnels 37

Hyet, Bert, Saugatuck, Mich.
Gap. Douglas 10

Hyttel, Charles M., Sr., Racine, Wis.
Str. Emma Bloecker 31

Illinois & Michigan Canal Com. Lockport, Ill.
Str. Aeolius 14

Illinois Brick Co., Chicago, Ill.
Str. Lorain T. 20

Illinois Southern Ry. Co., Chicago, Ill.
Str. St. Genevieve 611

Illinois Stone Co., Chicago, Ill.
Tug Luther Loomis 29

Illinois Terra Cotta Lbr. Co., Chicago, Ill.
Tug Louise B. 15

Imperial Oil Co., Sarnia, Ont.
‡Str. Iocoma .....
Str. Imperial 796

Independent Tug Co., Milwaukee, Wis.
Tug S. S. Coe 31
Tug Knight Templar 38

Indiana Trans. Co. 84 W. South Water St., Chicago, Ill.
‡Str. Theodore Roosevelt 1955
‡Str. United States 1374

Inland Lines, Ltd., Hamilton, Ont.
‡Str. Dundurn 771
‡Str. Dunelm 2318
‡Str. Emperor ..... ——
‡Str. Neepawah 1500
‡Str. Wahcondah 1554
‡Str. Dundee 2278
‡Str. Glenellah 2272
Str. Empress of Fort William.
‡Str. Stadocona .....
‡Str. Midland King 3859
‡Str. Midland Queen 1993
‡Str. Midland Prince 6636
‡Str. Empress of Midland 2223
Str. Majestic .....
‡Str. Rosedale 1597
‡Str. Winona 2084
‡Str. Donnacona 1906
‡Str. Strathcona 1881

International Ferry Co., Buffalo, N. Y.
Str. Niagara 213
‡Str. Niagara Frontier 421

International Harvester Co., Chicago, Ill.
Str. Imperial 68

Gross Tons

International Paper Co., Niagara Falls, N. Y.
Tug Elk 57

International Transit Co., Sault Ste. Marie, Ont.
Str. Algoma .....
Str. Bawating 246

Isabell, Thomas, Sturgeon Bay, Wis.
Tug City of New Baltimore 80

Island Trans. Co., L. R. Boynton, Pres., St. Ignace, Mich.
Str. Algomah 486
Str. City of Cheboygan 247
Str. Wau-Kon 137

Jacques, E., & Son, Duluth, Minn.
Str. Canisteo 595
Tug Annie L. Smith 43
Str. Brokate 140

Jacques & Co., G. E., 217 Common St., Montreal, Que.
Prop. Bickerdike 1515
‡Str. C. A. Jaques 2105

Jackson, E. G., Winneconne, Wis.
Gyt. Galatea 18

Jackson, John A., Traverse City, Mich.
Gas. Fish Hawk 6

Jeffery, Semon, Duluth, Minn.
Tug F. W. Gillett 28

Jeffrey, Wm., Duluth, Minn.
Str. John H. Jeffrey, Jr. 12

Jenkins S. S. Co., A. T. Kinney, Mgr., Cleveland, O.
‡Str. Charles O. Jenkins 6285
‡Str. Sir Thomas Shaughnessy 6276
‡Str. F. B. Squire 4582
‡Str. William Henry Mack 3781

Jensen, Charles, Detroit Harbor, Wis.
Gas. Jennie W. 11

Jensen, Lars, Sturgeon Bay, Wis.
Str. I. N. Foster 355
Str. Irma L. Wheeler 51

Jensen, Peter, et al., Grand Haven, Mich.
Str. J. W. Callister 35

Jepson, Mrs. Florence C., E. Jordan, Mich.
Str. Hum 32

Jessamine, J. & M., Cornwall, Ont.
Tug Mary Ellen 20

Jessemer, M. A., Cornwall, Ont.
Str. Gracie 11

Johns, J. F., Duluth, Minn.
Str. Fred B. Hall 9

Johns, W. T., Duluth, Minn.
Str. Crescent 71

Johnson, August, Marinette, Wis.
Gas. Moris 7

Johnson, E. A., L'Original, Ont.
Str. Princess Louise 115

Gross Tons

Johnson, John, Ludington, Mich.
Gas. Elizabeth 7

Johnson, Sivert, et al., Leland, Mich.
Gas. Leland 12

Johnson, Tony, Pentwater, Mich.
Gas. Silver Star 8

Johnston Bros., Ferrysburg, Mich.
‡Str. A. Fisher 58
‡Str. Harvey 81

Johnston, H. S., Clayton, N. Y.
Str. Nightingale 56

Jones, F. H., Vermilion, O.
Str. Frank S. Jr. 23

Jones, George, Pt. Maitland, Ont.
Str. Dandy 41

Kadan, Herman, Sheboygan, Wis.
Tug Pup 13

Kaine, J. C., Quebec, Que.
Str. Beaver 273

Kalmbach, Albert, Sturgeon Bay, Wis.
Str. Sylvia 23

Kavanaugh, W. P., Bay City, Mich.
Gas Irma 12

Keeler, E. S., Alexandria Bay, N. Y.
Str. Ella 15

Keenan, P. H., Sheboygan, Wis.
Str. Alice 40
Str. Mascot 13

Kehl Bros., Northport, Mich.
Gas. Dorothy K. 10

Keller Transit Co., Hutchinson & Co., Managers, Cleveland, O.
‡Str. Harold B. Nye 4310

Kelley Island Lime & Transport Co., Cleveland.
Str. Alva S. Chisholm Jr. 435
Str. Albert Y. Gowan 266
Str. Edward P. Recor 368
Str. Clinton 124
Tug. W. B. Sanders 103

Kelly, John T., Mgr., Leader-News bldg., Cleveland, O.
‡Str. Sheldon Parks 6611

Kendall, Harvey J., Marysville, Mich.
Str. Harvey J. Kendall 398

Kennedy Bros., Cheboygan, Mich.
Gap. Bertha M. 11

Keystone Fish Co., Erie, Pa.
Str. Jupiter 29
Str. Mars 29
Str. Mercury 29

Keystone Transp. Co., Ltd., 703 Power bldg., Montreal, Que.
‡Str. Keyport 1721
‡Str. Keybell .....
‡Str. Keyvive .....
‡Str. Key West 1725

Gross Tons

Kincaide, David,
Detroit Harbor, Wis.
Gas. Clayton, E. A. 9

Kingston Shipping Co.,
Kingston, Ont.
‡Str. Prince Rupert 1908

Kingsville & Pelee Island Nav. Co.,
Kingsville, Ont.
Str. Imperial 150

Kinney, A. T., Mgr.,
Rockefeller bldg., Cleveland, O.
‡Str. Andrew S. Upson.....4442
Str. C. W. Elphicke.....3100
Str. A. P. Wright.....3100
‡Str. Caldera 6328
‡Str. J. S. Ashley 6361

Kinsman Transit Co.,
H. Steinbrenner, Mgr.,
Rockefeller bldg., Cleveland.
‡Str. Philip Minch 5865
‡Str. Henry Steinbrenner 4719
‡Str. Anna C. Minch.....4282
‡Str. Matthew Andrews 7014
Str. Onoko 2164

Kishman, E. W.,
Vermilion, O.
Tug Mogul 23

Kishman, H. B.,
Vermilion, O.
Str. Fred Driscoll 30
Str. Joseph T. Sloat 29

Klauser, C. W.,
Toledo, O.
‡Sty. Falcon 82

Klise, A. B.,
Sturgeon Bay, Wis.
Str. Edward Buckley..... 414

Klumb, Philip,
Marinette, Wis.
Gas. Three Sisters 52

Knight, Willis E.,
Charlevoix, Mich.
Gas. Emma 13

Knipfer, George,
Two Rivers, Wis.
Gas. Swan 8

Knipfer, Michael,
Two Rivers, Wis.
Gas. Earl A. 11

Knox, R. B.,
Duluth, Minn.
Dge. Enterprise 419

Knutson, Knute,
Marinette, Wis.
Gas. White Cloud 10

Koch, Mrs. C. McG.,
Sandusky, O.
Str. Annie Laura..... 244
Tug Clayte .....
Tug Strober .....

Kolbe, Wm. F.,
Erie, Pa.
Str. Duro 18

Kotcher, C. W.,
Detroit, Mich.
Gay Wilanna 25

Krause, Otto,
Green Bay, Wis.
Gas. Key West 8

Kriehn, John,
Two Rivers, Wis.
Tug Hilda 23

Gross Gross

Krohn, Wm. F.,
Pentwater, Mich.
Gas. Oceana 8

Kroos, Julius,
Sheboygan, Wis.
Str. Susie Chipman 216

Krunland, O. W.,
Superior, Wis.
Gas. Ethel K. 21

Labb, W. H.,
Houghton, Mich.
Str. Ethel J. 9
Str. International 114

LaBelle Steamship Co.,
M. A. Hanna & Co., Mgrs.,
Cleveland, O.
‡Str. La Belle 6407

Lablanc, Joseph,
Naubinway, Mich.
Gas. Two Brothers 6

La Blonde, Frank,
Niagara Falls, N. Y.
Str. Maid of the Mist..... 99

La Compagnie Maritime et Industrielle de Levis,
Levis, Que.
Prop. Frontenac 304
Str. Champion 482

La Fond, Alfred, Sr.,
Two Rivers, Wis.
Gas. Clara L. 7

Lafond, Edward,
Two Rivers, Wis.
Gas. Zita 8

Lafond, Henry,
Two Rivers, Wis.
Gas. Sunrise 13

Lafond, John,
Manistique, Mich.
Gas. Randolph 10

La Fond, Manville,
Two Rivers, Wis.
Gas. Hugo 14

Lafond, Mitchell,
Two Rivers, Wis.
Gas. Morning Star 10

Lafond & Martin,
Manistique, Mich.
Gas. U and I 10

Lahey, D. H.,
Two Rivers, Wis.
Gas. Glen Cuyler 60

Lake, J. C.,
Belleville, Ont.
Tug Annie Lake 19

Lake Carriers' Association,
Cleveland, O.
Str. Kewaunee 143

Lake Champlain Trans. Co.,
Whitehall, N. Y.
‡Str. Protector 176
‡Str. Defender 88
‡Str. H. G. Tisdale 81
Str. Germania 88
Str. J. G. Witherbee..... 114
‡Str. Robert H. Cook 157

Lake Erie Dredging Co.,
Buffalo, N. Y.
Dge. Elevator No. 11..... 135
Tug H. A. Meldrum..... 68
Str. Fred A. Lee..... 60
Tug Tam O'Shanter 24
Tug William Stevenson..... 34
Dge. Pan American No. 12... 456

Gross Tons

Lake Erie Excursion Co.,
Buffalo, N. Y.
‡Stp. Americana 1009
‡Stp. Canadiana 974

Lake Erie Trans. Co.,
Cleveland.
‡Str. William S. Mack 3720

Lake Erie & Detroit River R. R. Co.,
Walkerville, Ont.
Str. International 851
‡Tug S. M. Fisher 628

Lake Erie & Quebec Transp. Co.,
558 Rockefeller bldg., Cleveland, O.
Str. Sarnor .....

Lake Ontario & B. of Q. Stbt. Co.,
Kingston, Ont.
Str. North King 873
‡Str. Caspian 1034

Lake Sand Co.,
Chicago, Ill.
‡Str. H. Dahlke 442
Str. Junior 339
‡Str. M. G. Hausler 609

Lake Shore Stone Co.,
Milwaukee, Wis.
Str. Topeka 1376
Str. Hennepin 990

L. S. & M. S. R. R. Co.,
Cleveland, O.
‡Str. J. P. Manning..... 58

Lakeside Nav. Co.,
Walkerville, Ont.
Str. Lakeside 348

Lakeside Steamship Co.,
Duluth, Minn.
Str. Alfred Mitchell 1750

Lake Superior Towing Co.,
Bayfield, Wis.
Str. J. W. Bennett 81

Lake Superior Tug Co.,
Port Arthur, Ont.
Tug Salty Jack 45

Lake Transit Co.,
H. L. Shaw, Mgr.
Bay City, Mich.
‡Str. Milinokett 6215
‡Str. City of Bangor 4202
‡Str. Penobscot 4077
‡Str. E. C. Pope 2637

Landon, Joseph,
278 North Ave., Chicago, Ill.
Str. Harvey Watson 23

Lanford, Isaac L.,
Montague, Mich.
‡Str. Cayuga 27

Lang, R.,
Chateauguay, Que.
Str. Chateauguay 222

Lannan, Thomas,
Port Colborne, Ont.
Tug Meteor .....

La Point, Alex,
Charlevoix, Mich.
Gas. Fisherman 9

Lardie, P. F.,
Old Mission, Mich.

Lariviere, Joseph,
Str. Fanny M. Rose..... 33
Str. Lena Knobloch 87
St. Anne de Bellevue, Que.
Str. Ida 274

	Gross Tons
Larkin, P., St. Catharines, Ont.	
Tug Mary	62
Larosse, H., St. Thomas de Pierrville, Que.	
Tug H. Larosse	13
Lauters, Nic, Port Washington, Wis.	
Tug Hope	15
Laverdure, E. G., Ottawa, Ont.	
Str. Emile	12
Lay Bros., Sandusky, O.	
Gas. Watanna	15
Lay, John, Sandusky, O.	
Tug Arctic	23
Leatham & Smith T. & W. Co., Sturgeon Bay, Wis.	
Tug Smith	191
Le Beau, Clarence, Toledo, O.	
Str. M. Tuttle	51
Lee, James, Wallaceburg, Ont.	
Str. Wm. E. Rooney	11
Lee, John, Wallaceburg, Ont.	
Str. Frankie	24
Tug John Lee	88
LeFevre, W. W., Tustin, Wis.	
Str. Dixie	50
Str. Paul L.	147
Lehigh Valley Trans. Co., Buffalo, N. Y.	
‡Str. Batavia	202
‡Str. Tuscarora	2386
‡Str. Saranac	2669
‡Str. Seneca	2669
‡Str. Bethlehem	2633
‡Str. Wilkesbarre	4153
‡Str. Mauch Chunk	4449
Lehman, Jessie, Kagawong, Ont.	
Tug Welcome	21
Lehmann, Edmund, Appleton, Wis.	
Str. Fawn	24
Leidheiser Bros. Fish Co., Inc., Vermilion, O.	
Str. Chas. A. Potter	24
Leidheiser, Henry, Vermilion, O.	
Tug James P. Devney	27
Str. Leidheiser Bros.	28
Le Maritime Industrial Co., Levis, Que.	
Prop. Orleans	269
Lemere, E. J., Two Rivers, Wis.	
Gas. Louise K.	9
Leonard, Theo. M., Rouse's Point, N. Y.	
Sty. Satellite	27
Sty. Scionda	84
Leroux, Z., Valley Field, Que.	
Str. Chaffrey	42
Liasse, George J., Burlington, Vt.	
Cbt. Augusta G.	117
Liebner, Ernest C., Cheboygan, Mich.	
Gas. Ida L.	6
Lincoln, Isabella, Alpena, Mich.	
Tug Isabella	43
Tug R. T. Roy	24
Lincoln Park (Commissioners of), Chicago, Ill.	
Tug M. G. Hausler	73
‡Tug Keystone	94
Sty. Richard B.	63
Little Co., C. H., Detroit, Mich.	
Str. Sachem	739
‡Str. Jno. M. McKerchey	732
Str. C. H. Little	324
Little, Herbert, Lorain, O.	
Tug O. J. True	16
Livingstone, Wm., Detroit, Mich.	
‡Str. Livingstone	2131
Lloyd, Walter S., Duluth, Minn.	
Str. Plow Boy	65
‡Str. Columbia	162
Str. Mascotte	
Str. Newsboy	
Lockwood, F. A., Sandusky, O.	
Str. Valley Mills	36
Loesch, Eugen, Erie, Pa.	
Str. Arita	13
Tug Eugene Loesch	19
Str. Raymond	27
Logan, M. J., Port Colborne, Ont.	
Str. G. P. McIntosh	58
Logan & Drake, St. Joseph, Mich.	
Gap. Wolverine	9
Logie, John, Southampton, Ont.	
Tug John Logie	37
Lomer, A. H., Montreal, Que.	
Tug Ida	26
Lorentz, Ferd., Ludington, Mich.	
Gas. Vern L.	9
Lorentzsen, Gerhard F., Sheboygan, Wis.	
Str. Elizabeth G.	24
Loud's Sons Co., H. N., Au Sable, Mich.	
Str. Kongo	849
Love, Roy, Muskegon, Mich.	
Tug. Ida M. Stevens	22
Lovig, Carl E., Washington Harbor, Wis.	
Sly Sadie	14
Luckes, Robert H., Sault Ste. Marie, Mich.	
Sty. Gazelle	36
Tug Morning Star	9
Luebke, H., Two Rivers, Wis.	
Str. Julia C. Hammel	28
Lunde, Chas., Ludington, Mich.	
Gas. Major	11
Lutsey, G. E., New London, Wis.	
Sty. Laura May	37
Lutz-Oliver Co., Michigan City, Ind.	
Str. O. E. Parks	392
Lyon, D. H., Ogdensburg, N. Y.	
Tug Henry Plumb	92
‡Gas. Miss Vandenberg	197
C. F. William Armstrong	181
McArthur, P., Westbourne, Man.	
Yt. Mocking Bird	38
McAulay, Dan, Southampton, Ont.	
Str. A. Maxwell	98
McAuley, John, Wiarton, Ont.	
Tug G. P. McIntosh	58
McAuliff, Michael, Thorold, Ont.	
Tug Michael Davitt	24
McBrier, James, Estate, Erie, Pa.	
Str. Nyanza	2296
McCaffrey, Wm. J., Plattsburg, N. Y.	
Sty. Kaelma	9
McCann, James, St. James, Mich.	
Tug Margaret McCann	35
McConnell, Charles W., Indian River, Mich.	
Str. Cygnet	59
McCopper, J. W., Port Colborne, Ont.	
Tug Garden City	35
McCrisken, Patrick, Oswego, N. Y.	
Tug Steve H. Lyons	12
McDonald, Chas. M., Jackson Harbor, Wis.	
Tug Edward Stewart	15
McDonald, J. P., Missasaga Island, Ont.	
Tug Garnet	19
McDonald, Robert, Charlevoix, Mich.	
Tug Frank P. Geiken	35
McGaw, T., Kincardine, Ont.	
Tug George Swan	18
McInnes, Alex, Cumberland, Ont.	
Tug Rockland	78
McInnes, Daniel, Detour, Mich.	
Tug Grayling	17
McInnes, H., Meadford, Ont.	
Tug J. Playfair	26
McIntosh, John E., Cayuga, N. Y.	
Sty. Calypso	60
McKay, A. G., Owen Sound, Ont.	
Tug Shawanaga	96

Gross Tons

McKerchey, John M.,
Detroit, Mich.
‡Str. John M. McKerchey..... 732

McLachlan Trans. Co.,
815-817 Pine Grove Ave.,
Port Huron, Mich.
Str. C. F. Bielman.....2056

McLeod, David,
Port Colborne, Ont.
Tug Mary R..... 44

McLeod, Hector,
St. Ignace, Mich.
Gas. White 8

McLouth, S. C.,
Marine City, Mich.
‡Str. Scranton 2015
Str. Wm. A. Hazard..... 372

McMillan, D.,
Muskegon, Mich.
Str. Mathew Wilson 322

McMillan, M.,
Detroit, Mich.
Sty. Lucille 21

McMillan, M. B., Mgr.,
2216 Dime Sav. Bank Bldg.,
Detroit, Mich.
Str. J. K. Dimmick.....
‡Str. W. K. Bixby 5712

McMillan, P. H., Mgr.,
804 Union Trust Bldg.,
Detroit, Mich.
Str. Colonel 3879
‡Str. Senator 4048

McMorran, Henry,
Port Huron, Mich.
Str. Pawnee 639
Str. Linden 894

McQueen, J. T.,
Amherstburg, Ont.
Str. LeRoy Brooks 61

McRae, John,
Meadford, Ont.
Tug Laura M. 18

Macatawa Transp. Co.,
Holland, Mich.
Gap. Nina 6
Stp. Perry, D. P. 37
Gap. Skidoo 18

Mackie, W. G.,
Green Bay, Wis.
Gas. Ethal M. 9

Mackinac Trans. Co., L. R. Boynton, Mgr.,
St. Ignace, Mich.
C. F. Sainte Marie 1357
C. F. Saint Ignace 1199
‡C. F. Chief Wawatam.....2990

Magee, James,
Duluth, Minn.
Tug J. D. McFadden..... 15
Tug Constitution 96
Tug Petrel 34

Mago, Lillian,
Tonawanda, N. Y.
Tug George Dittly 28

Mago, Philip, Jr.,
Tonawanda, N. Y.
Sty. Corsair 36

Mago, William,
Tonawanda, N. Y.
Tug John Mahar 20

Gross Tons

Maher, Michael,
Erie, Pa.
Str. Boles, W. A. 22

Mahoning Steamship Co.,
M. A. Hanna & Co., Mgr.,
Cleveland. (610 Perry-Payne Bldg.)
‡Str. Chas. S. Price 6322
‡Str. Leonard C. Hanna 6356
‡Str. Powell Stackhouse 6171

Maitland, Rixon & Co.,
Owen Sound, Ont.
Tug Thomas Maitland..... 106

Majo, A. C.,
Duluth, Minn.
Str. Belle 37
Tug Hattie Lloyd 34
Yt. Ideal 40
Str. Swansea 19

Maloney, John J., Sr.,
Sault Ste. Marie, Mich.
Str. Juniata 14

Mang, Joseph,
La Salle, N. Y.
Sty. Indra 9

Manitowoc Dry Dock Co.,
Manitowoc, Wis.
Gas. Ida Caroline 22

Mann, Jacob W.,
Duluth, Minn.
Str. Mary Mann..... 11

Marchmont, S. W.
Toronto, Ont.
Str. Gordon Jerry 124

Marine Navigation Co.,
Michigan City, Ind.
Str. Francis Hinton .....
Str. A. R. Colborn.....

Marine Trans. Co., The,
Ogdensburg, N. Y.
Str. Nipigon 626

Marinette Yacht Club,
Marinette, Wis.
Sty. Bonita 73

Marks, G. T.,
Port Arthur, Ont.
Str. Ojibway 194

Marks, Thomas & Co.,
Port Arthur, Ont.
‡Str. Neebing 1830
‡Str. Parponge 2408
‡Str. Geo. A. Graham.....
Str. Atikokan .....

Marlton, W.,
Goderich, Ont.
Str. Huron 55

Marquette & Bessemer Dock & Nav. Co.,
Conneaut, O.
‡Str. M. & B. No. 1 1732
‡Str. M. & B. No. 2.....2583

Marsh, G. F.,
Huntsville, Ont.
Str. Empress Victoria 106

Marston, J. H.,
Appleton, Wis.
Str. J. H. Marston 117

Martell, J.,
De Pere, Wis.
Tug Volunteer 13

Martin, C.,
Midland, Ont.
Str. Bruce 16

Gross Tons

Martin, D. J.,
St. James, Mich.
Tug Clara A. Elliott 21

Martin, E. W.,
Olcott, N. Y.
Gas. Katherine 8

Martin, James J.,
St. James, Mich.
Str. Shamrock 18

Masaba S. S. Co.,
Joseph Sellwood, Mgr.,
Duluth, Minn.
‡Str. Joe S. Morrow.....4895

Mason, Alex,
Leland, Mich.
Gas. Morning Dip 8

Mathews, M. & O.,
Hamilton, Ont.
Str. Acacia 107

Mathews Steamship Co.,
703 Board of Trade,
Toronto, Ont.
Str. Yorkton .....
Str. Easton .....
Str. Masaba .....
‡Str. Haddington 1603
‡Str. Edmonton 1982

Matt, R. E.,
Cheboygan, Mich.
Gas. Cynthia 15

Mattison, C. A.,
Vermilion, O.
Tug Rainbow 16
Tug Charles P. Stricker..... 22

Maumee River Nav. Co.,
Toledo, O.
Str. Fort Meigs 138

Mavo, A. C.,
Duluth, Minn.
Sty. Ideal 40

Maxim, I. H.,
Ashland, Wis.
Tug Hazel 11

May, Capt. Anthony T.,
Detroit, Mich. (579 Congress St.)
Str. Emerald 297

Mechalson, Oluf,
Marinette, Wis.
Tug Elanor 9

Mehl, Edward,
Erie, Pa.
Str. Uganda 2298
‡Str. Wainwright 4937

Melching, H. W.,
Harbor Springs, Mich.
Gap. Wilbur M. 6

Menominee River Fire Tug Co.,
Marinette, Wis.
Tug Menominee River 73

Merchants Lighterage Co.,
Chicago, Ill.
‡Str. C. H. Conover 203
Gas Cruso 207
Str. Swan 95
Ltr. Robert Howlett 158

Merchants Mutual Line, Ltd.,
J. N. Norcross & Co., Mgrs.,
Toronto, Ont.
‡Str. Cadillac 1263
‡Str. Chili 2584
‡Str. Acadian 2305
‡Str. Canadian 2214
‡Str. Calgarian .....

	Gross Tons
‡Str. D. A. Gordon	
‡Str. Fordonian	
‡Str. Hamiltonian	
‡Str. Kenora	1955
‡Str. Regina	1957
‡Str. Tagona	2204
‡Str. A. E. McKinstray	
Str. Mars	
Str. Pioneer	
Str. Renovoyle	
‡Str. J. H. Plummer	1582
‡Str. H. M. Pellatt	1592
‡Str. A. E. Ames	1637
Str. Beaverton	2011
Str. Mapleton	1781
‡Str. Saskatoon	——

Meyer, A. B., Sandusky, O.
Str. Bessie 89

Midland Towing & Wrecking Co., Midland, Ont.
Str. Magnolia 367
Tug Traveler 437

Miller, A. D., Cape Vincent, N. Y.
Sly Alice C. 20

Miller, C. D., Poughkeepsie, N. Y.
Str. Gryphon 28

Miller, E., Bayfield, Wis.
Tug Bayfield 75

Miller, Henry W., Green Bay, Wis.
Gas. Reliance 13

Miller, J. C., Marine City, Mich.
Str. Fuller 13

Miller Transit Co., W. C. Richardson, Mgr., Cleveland, O.
‡Str. Leonard B. Miller 6291

Milliard, Chas. E., Sarnia, Ont.
Prop. J. E. Mills 149

Mills, D. W., 1886 Carter Rd. N. W., Cleveland, O.
Str. David W. Mills 925

Mills, M. B., Detroit, Mich.
‡Sty. Cynthia 103

Mills, N. & B., Marysville, Mich.
Str. Harley 23

Mills, W. M., Tonawanda, N. Y.
See Frontier S. S. Co.
See Niagara Transit Co.

Milwaukee, City of, Milwaukee, Wis.
F. B. Aug. F. Jansen —
F. B. Cataract 130
‡F. B. M. F. D. 15 194
F. B. M. F. D. 17 136
F. B. M. F. D. 23 133
‡F. B. M. F. D. 29 148

Milwaukee-Western S. S. Co., Vance & Joys, Mgrs., 211 Mitchell Bldg., Milwaukee, Wis.
Str. Manchester 2132

Milwaukee Sand & Gravel Co., Milwaukee, Wis.
Str. Ellen 349

Milwaukee Steamship Co., 309-13 Florida St., Milwaukee, Wis.
Str. R. P. Flower 1593

Minister of Marine & Fisheries, Ottawa, Ont.
Str. Bayfield 150
‡Str. Contrecseur 174
Str. Druid 503
Str. La Canadienne 372
‡Str. Lambton 323
Str. Lansdowne 680
‡Str. Lotbiniere 146
‡Str. Minto 1096
‡Str. Montmagny 1269
Str. Petrel 192
Str. Rouville 301
‡Str. Simcoe 913
‡Str. Shamrock 237

Minister of Public Works, Ottawa, Ont.
Tug C. J. Brydges 35
Str. Catharine C. 19
Str. Cliffside 68
Str. Cingalee 59
Tug Delisle 46
‡Tug Eureka 170
Str. Fashion 43
Gas. Fast 58
Tug Jessie Hume 58
‡Str. Lisgar 210
Str. Mina G. 23
Tug Sensation 15
Tug Ottawa 21
Tug St. Francis 56
Tug St. Paul 45
Dge. Sir Wilfrid 570
‡Str. Wm. C. Agnew

Minister of Railways & Canals, Ottawa, Ont.
Str. Alert 56
Str. Harwood 23
‡Str. Mulgrave 405
‡Str. Scotia 1461

Misener, Willoughby, Dunkirk, N. Y.
Gas Constance 10

Mitchell, John, Mgr., Rockefeller Bldg., Cleveland, O.
‡Str. J. G. Witherbee
‡Str. Loftus Cuddy 6829
‡Str. Jos. Sellwood 6741
‡Str. Stephen M. Clement 5821
‡Str. Pendennis White 4382
‡Str. A. C. Dustin
‡Str. J. J. McWilliams 3400
Str. Major
‡Str. Moses Taylor 4772
‡Str. James Gayley 4777
‡Str. Wm. H. Gratwick 4776
‡Str. J. J. Albright 4805
‡Str. Wm. E. Reis 4748
‡Str. E. A. S. Clarke 4713
‡Str. M. A. Hanna 4661
‡Str. H. S. Holden 4444
‡Str. Walter Scranton 4803
‡Str. Lagonda 3647
Str. Robert L. Fryer 1810
‡Str. Hugh Kennedy 7064

Mock, John L., Whitehall, N. Y.
Str. Eloise 40

Mollhagen & Co., C., St. Joseph, Mich.
‡Tug Herbert 55
Str. Lloyd M. 31

Monka, John L., Two Rivers, Wis.
Gas Water Lilly 12

Montgomery, F., Parry Sound, Ont.
Str. Bertha 18

Montreal Sand & Gravel Co., Montreal, Que.
Tug Nora 28

Montreal Trans. Co., Ltd., Montreal, Que.
Str. Advance 1031
‡Tug Bartlett 328
Tug. D. G. Thompson 182
‡Tug. Emerson 276
‡Str. Fairmount 1910
‡Str. Glenmount 1957
‡Str. Kinmount 2112
Tug. Glide 78
Tug H. F. Bronson 137
Tug Mary 53
Tug. Mary P. Hall 144
‡Str. Rosemount 1580
‡Str. Stormount 1957
‡Str. Westmount 1875
Str. Windsor 1962

Montreal & Cornwall Nav. Co., Ltd., Cornwall, Ont.
‡Str. Britanic 428
‡Str. Filgate 425

Montreal & Lake Erie S. S. Co., G. E. Jaques & Co., Mgrs., 217 Common St., Montreal, Canada.
‡Str. City of Hamilton 1574
‡Str. City of Montreal 1554
‡Str. City of Ottawa 1529

Moody, Mrs. Marjorie C., Cheboygan, Mich.
Gas. Welcome 13

Moon, George, Buffalo, N. Y.
Str. Dorothy 90
Str. Moon 97
Tug Goodwill 63

Moore, John R., Port Stanley, Ont.
Str. John R. Moore 63

Moore, C. C., Muskegon, Mich.
Str. Gladys 6

Moore, S. S., Erie, Pa.
Str. Star 9

Moore Steamship Co., 614 B. of L. E. Bldg., Cleveland, O.
‡Str. John W. Moore 1961

Moorman, Fred E., Racine, Wis.
Gas. Dolphin 11

Moran, Jas. B., Escanaba, Mich.
Str. Lotus 219
‡Str. Maywood 398

Morden Trans. Co., Oaksville, Ont.
Str. United Lumberman 399

Morgan, J. C., Niagara Falls, N. Y.,
Str. St. Louis 985

Morrison, John, Port Coldwell, Ont.
Tug Orcadia 23

Morrison, W. L., Erie, Pa.
Sty. Miriam 9

Gross Tons

Morrura, F.,
Waubaushene, Ont.
Tug Mayflower 26

Morse, George E.,
Clayton, N. Y.
Sty. Brownie 8

Morton Salt Co.,
R. K. Warren, Gen. Supt.,
Chicago (317 Ry. Ex. Bldg.)
Str. John Oades.....1454
Str. Marion 930
Str. Normandie 567

Muhlenberg, Henry,
Sheboygan, Wis.
Str. Annie D. 20

Mulinix, J. W.,
Toledo, O.
Str. Mulinix Bros. 91

Mullen, John,
Windsor, Ont.
Str. Faustin 256

Mullen Coal Co.,
Amherstburg, Ont.
Str. E. A. Shores Jr..... 520
Str. John Otis 301

Munroe, William, et al.,
Muskegon, Mich.
Str. George C. Markham..... 309

Muntiga, G.,
Sheboygan, Wis.
Tug Luise M. 19

Muntinga, William,
Racine, Wis.
Str. Harriet M. 11
Str. Carrie Mather 21

Murphy, Simon J.,
Detroit, Mich.
Sty. Nerita 137

Muskoka Lakes Nav. & Hotel Co.,
Gravenhurst, Ont.
‡Str. Sajamo 744

Mutual Transit Co.,
Buffalo, N. Y.
‡Str. North Lake 3861
‡Str. North Sea 3921
‡Str. North Star 3849
†Str. Northern King 2476
‡Str. Northern Queen 2476
‡Str. Northern Wave 2476
‡Str. Northern Light 2476
‡Str. North Wind 2476
‡Str. Huron 1945
‡Str. Minneapolis 2029
†Str. St. Paul 2029
‡Str. W. C. Rhodes 2176

Myers, James A.,
Room 209, W. Jackson Blvd.,
Chicago, Ill.
Str. Otego .....

Nagle, John P.,
Toledo, O.
Tug Saugatuck 88

National Steamship Co.,
337 Postal Tel. Bldg.,
Chicago, Ill.
‡Str. Parks Foster 1729

National Steamship Co.,
2216 Dime Sav. Bank Bldg.,
Detroit, Mich.
‡Str. W. K. Bixby 5712

Gross Tons

Nau Tug Line,
Green Bay, Wis.
Tug Erna 14
Tug J. C. Ames 537
Str. L. T. Brogan 55
Tug W. S. Taylor 318

Naugle Pole & Tie Co.,
Chicago, Ill.
Str. George Burnham..... 332

Needham, Walter P.,
La Grange, Ill.
Str. Nellie 85

Neff, Charles S.,
Milwaukee, Wis.
‡Str. Charles S. Neff..... 992
Str. C. A. Eddy.....2075
Str. C. Tower.....1825
Str. Lansing 1611

Nelson, Nels,
Marinette, Wis.
Gas. Pilot 7
Gas. Minerva L. 8

Nelson, Smith & Burke,
Muskegon, Mich.
Tug Trio 16

Neraux, John,
Odanah, Wis.
Str. Allenton 24

Nessen, J. O., et al.,
Manistee, Mich.
Str. Edward Buckley 414

Nessen Lumber Co., J. O.,
Manistee, Mich.
Str. F. W. Fletcher 495
Str. N. J. Nessen..... 440
Str. Peters 634
Str. Sidney O. Neff 435

Nester, Estate, Thomas,
George Nester, M. O.,
Detroit, Mich.
Tug. Vigilant 372

Nettleton, Frank E.,
Dunkirk, N. Y.
Tug Janie E. Smith..... 50

Neumann, Martin,
Oshkosh, Wis.
Gas. Jessie 7

Nevin, John H.,
Ogdensburg, N. Y.
Tug Shoecraft 11

Newberry, Helen H.,
Detroit, Mich.
‡Sty. Truant 100

Newberry, John S.,
Detroit, Mich.
Sty. Dawn 9

Newberry, L. B.,
Sandusky, O.
Tug Dailey 9

Newell, S. E.,
Burlington, Vt.
Cbt. Crombie, Wm. A..... 113

New Ontario S. S. Co., Ltd.,
Hamilton, Ont.
Str. Wahcondah 1554

New Ont. Trans. Co., Ltd.,
Port Arthur, Ont.
Str. M. J. O'Brien 253

Niagara Nav. Co.,
Toronto, Can.
Str. Chippewa 1514

Gross Tons

‡Str. Corona 1274
‡Str. Macassa 459
Str. Modjeska 678
‡Str. Turbinia 1064
Str. Chicora 930
Str. Ongiara 98
‡Stp. Cayuga 2167

Niagara, St. Catherines & Toronto Nav. Co.
St. Catherines Ont.
Str. Dalhousie City.....
‡Str. Garden City 63

Niagara Transit Co.,
W. M. Mills, Mgr.,
N. Tonawanda, N. Y.
‡Str. Wm. A. Rogers 6524

Nicholson, William,
Duluth, Minn.
Tug Mariel 36

Niederman, Conrad,
Milwaukee, Wis.
Tug Golden 44

Nipigon Transit Co.,
Port Huron, Mich.
Str. J. C. Ford 710

Noble, Col. C.,
Duluth, Minn.
Str. Mayflower 22

Nordrum, John, et al.,
Charlevoix, Mich.
Gas. Prince Olaf 12

Nordrum, Oluf,
Charlevoix, Mich.
Gas. Melba 8
Gas. Nellie 8

North American S. S. Co.,
See R. A. Williams, Mgr.

North American Trans. Co.,
Quebec, Que.
Str. City of London 516

Northern Dredge & Dock Co.,
Duluth, Minn.
Tug Mentor 29
Dge. Duluth 142
Tug Ella Stone .....
Dge. No. 40..... 185

Northern Lakes S. S. Co.,
Rockefeller Bldg., Cleveland, O.
‡Str. Champlain 5494
‡Str. Ontario 5494
‡Str. St. Clair 5494

Northern Michigan Trans. Co.,
Chicago.
‡Str. Missouri 2434
‡Str. Illinois 2427
‡Str. Manitou 2944
Str. John R. Stirling 1302

Northern Nav. Co., of Ont., Ltd.,
Collingwood, Ont.
‡Str. Hamonic 5294
‡Str. Dorie 2359
‡Str. Huronic 3329
Str. Majestic 1578
Str. Germanic 1014
Str. City of Midland 974
‡Str. Ionic 1526
Str. Saronic 1960
Str. Waubic .....

Northern Steamship Co.,
F. C. Cruger, Mgr.,
Buffalo, N. Y.
‡Str. Northland 4244

Gross Tons

Northwestern Trans. Co.,
L. C. Waldo, Mgr.,
15 Atwater Bldg., Detroit, Mich.
‡Str. Harvey H. Brown.....2673
Str. S. R. Kirby.....2338

Norwood & St. Lawrence Ry. Co.,
Waddington, N. Y.
‡Str. Orizaba 76

Nuber, Lucas,
Marblehead, O.
Gas. Guess 6

Oades, Walter H.,
Detroit, Mich.
Sty. Ivy 38
Sty. Louise 35

Oakes, H. K., Mgr.,
1327 Rockefeller Bldg.,
Cleveland, O.
‡Str. Western Star.....4764
‡Str. D. M. Whitney.....4626
‡Str. Abraham Stearn 6657
‡Str. E. J. Earling.....6657
‡Str. E. H. Utley.....6287
‡Str. B. F. Berry.....6188

Oberg, Olaf A.,
Two Harbors, Minn.
Gas City of Two Harbors..... 15

O'Connor, James,
Tonawanda, N. Y.
‡Str. Alaska 986

Ogdensburg Coal & Towing Co.,
Ogdensburg, N. Y.
Str. Avon 1417
Str. Nicaragua 1201
Str. A. McVittie 2046
Tug Myra .....
‡Tug Geo. D. Seymour..... 76
Tug Wm. L. Proctor..... 117

Ohio Fish & Game Commission,
Columbus, O.
Str. Oliver H. Perry..... 76

Ohio Steamship Co.,
Hutchinson & Co., Mgrs.,
Cleveland, O.
‡Str. James P. Walsh.....563

Olds, M. D.,
Cheboygan, Mich.
Str. Schoolcraft 745
Tug River Queen 82
Tug G. R. Green..... 18

Olmstead, J. E.,
Cheboygan, Mich.
Str. Welcome 9

Olsen & Sandberg,
Manistee, Mich.
Gas. Princess 7

Olson, Andrew,
Frankfort, Mich.
Gas. Emma S. Olson 11

Olson, Anton,
Marinette, Wis.
Gas. Delia 7

Olson, Cornelius,
Marinette, Wis.
Gas. Helena 14

Olson, Edward,
Frankfort, Mich.
Gas. Reidal W..... 15

Omega Transportation Co.,
L. C. Waldo, Mgr.,
Detroit, Mich.
Str. Omega 2080

Gross Tons

O'Neill, Mrs. Mariette,
Charlevoix, Mich.
Tug J. W. Parmalee 30

Ontario & Quebec Nav. Co., Ltd.,
Picton, Ont.
Str. Alexandria 863
Str. Aletha 171
Str. Aberdeen 142
Str. Brockville 191
Str. Gerona .....
Str. Lloyd S. Porter..... 489
Str. Water Lily..... 95
Str. Varuna 134

Ontario Car Ferry Co., Ltd,
Montreal, Que.
‡Str. Ontario No. 1.....5146

Ontario Lumber Co., Ltd.,
Toronto, Ont.
Str. Lily Smith 275
Str. Longboat 23

Orr, W. H.,
Holland, Mich.
Gas. Idella 11

Osborn, Arthur S., Mgr.,
Osborn Sand Co.,
Duluth, Minn.
Str. Corona 51

Osborn, Chas.,
Toledo, O.
Gas. W. T. Roper 13

Osborne, Thomas,
Hull, Que.
Tug Thomas Osborne 25

Oshkosh Steamboat Co.,
Oshkosh, Wis.
Stp. Leander Choate 279
Stp. Thistle 127

Ottawa River Nav. Co.,
Montreal, Que.
‡Str. Empress 678
Str. Princess 527

Ottawa Trans. Co., Ltd.,
Ottawa, Ont.
Str. Hall 247
Str. Scotsman 265
Tug Florence 62
Tug. Archie Stewart..... 80
Tug. Dolphin 70
Str. Victoria 181
‡Str. Ottawan 311
Str. Roberval .....
Tug. Geo. A. Harris..... 87
Tug. G. H. Notter..... 14
Tug. Sir Hector 40

Owen, George,
Ashtabula, O.
Tug Myers Boys 27
Tug Stephen Chase 45

Owen Sound & Georgian Bay
Parks & Summer Resort Co.,
Owen Sound, Ont.
Str. Canada 312

Owen Trans. Co.,
R. T. Gray, Mgr., 924 Ford Bldg.,
Detroit, Mich.
Str. John Owen 2127

Palmer, Robert D.,
Columbus, O.
Gyt. Florida 31

Palmeter, D. C.,
Berlin, Wis.
Sty. Pastime 24

Pare, A.,
Lachine, Que.
Tug Humber 13

Gross Tons

Parker, John,
Marquette, Mich.
Tug Theora 73

Parker, W. R.,
Toronto, Ont.
Dge. L. S. No. 3..... 388

Parkinson, Wm.,
Houghton, Mich.
Gas. Nourmahal 29

Parks, O. E.,
Michigan City, Ind.
Str. Marshall F. Butters..... 376

Parmalee, Benjamin,
Waukegan, Ill.
Gas. Illinois 12

Parry Sound Transfer Co.,
Toronto, Ont.
‡Str. Seguin 818

Parsons, B. N.,
Vermilion, O.
Tug Favorite 9

Parsons, H. A.,
Sault Ste. Marie, Mich.
Gas. Mahafra II..... 57

Pashby, Herbert,
Burlington, Vt.
Cbt. L. B. Danforth..... 98

Pashby, J. B.,
Burlington, Vt.
Cbt. C. G. Donohue..... 107

Pasque, John,
Bayfield, Wis.
Str. Eliza 15
Tug R. W. Currie 36

Paul, Wm.,
Sorel, Que.
Prop. Prefontaine 899

Paull, Charles,
South Haven, Mich.
Gas. Flora V. 6

Paulson, Knut,
Manistique, Mich.
Gas. Harold 11

Paulson, Sigwart,
Manistique, Mich.
Gas. Lorena 17

Pauly, H. J.,
Milwaukee, Wis.
Str. Thos. Davidson 2226

Pauneton, P. E.,
Three Rivers, Que.
Tug Maud 54

Payne, F. H.,
Erie, Pa.
Gas. Iris 12

Peabody, John H.,
Superior, Wis.
Gas. Janette 5

Pearman, M. E.,
South Haven, Mich.
Str. A. R. Heath..... 48

Pelee & Lake Erie Nav. Co., Ltd.,
Pelee Island, Ont.
Str. Alfred Clarke 229

Pembroke Nav. Co.,
Pembroke, Ont.
Prop. Victoria 188

Gross Tons.

Peninsula Stbt. Co., The,
Sandusky, O.
‡Str. Olcott 337

Peninsula Tug & Towing Co., Ltd.,
Wiarton, Ont.
Str. Thomas R. Scott..... 268
Tug Crawford .....

Pennsylvania-Ontario Transp. Co.,
520 Rockefeller Bldg.,
Cleveland, O.
‡Car Ferry. Ashtabula 2670

Pennsylvania S. S. Co.,
Caswell Bldg.,
Milwaukee, Wis.
Str. Wm. H. Wolf 2265

Peoples Milling Co.,
Chaumont, N. Y.
Str. Little Mac 25
Str. Frank D. Phelps 83

Pere Marquette Line Steamers,
Gus Kitzinger, Mgr.,
Manistee, Mich.
Str. Pere Marquette 3..... 924
Str. Pere Marquette 5.....1722
Str. Pere Marquette 5 1722
Str. Pere Marquette 6..... 371
Str. Pere Marquette 7..... 141

Pere Marquette Railroad Co.,
Ludington, Mich.
‡Str. Pere Marquette.....2443
‡Str. Pere Marquette 14 2531
Str. Pere Marquette 16 1938
‡Str. Pere Marquette 17 2775
‡Str. Pere Marquette 18 2777
‡Str. Pere Marquette 19 2626
‡Str. Pere Marquette 20.....2626

Perkins, Mrs. Nellie F.,
Spring Lake, Mich.
‡Str. Sea Bird 21

Perks Bros.,
Meaford, Ont.
Str. City of Meaford..... 328

Perry, Charles E.,
Port Clinton, O.
Gas Alma P. 12

Perry, Frank,
Sault Ste. Marie, Mich.
‡Tug. Chase S. Osborne..... 492
Tug. Wm. H. Seymour 52
Tug John Owen 328

Peterman, A. F.,
Munising, Mich.
Tug Silver Spray 38

Peterson, Andrew,
Frankfort, Mich.
Gas. Fram 7

Peterson, C. A.,
Omro, Wis.
Stp. H. C. Scott..... 59

Peterson, H. P.,
Manistee, Mich.
Gas Swan 10

Peterson, M.,
Erie, Pa.
Gas. Frost 9

Peterson, Oscar, et al.,
Frankfort, Mich.
Gas. Gotland 8

Petrol Traffic Co.,
Sta. A., Toledo, O.
Str. Geo. H. Van Vleck 1020

Gross Tons

Pfister, F. E.,
Harbor Springs, Mich.
Gas. Sophie 10

Pfister, Jacob,
Erie, Pa.
Str. C. F. Mischler 18

Pickands, Mrs. M. R.,
Cheboygan, Mich.
Tug Ogontz 65
Tug Pioneer 13
Tug C. B. Strohm..... 26
Tug Clayt 10

Pickands, Mather & Co., Mgrs.,
(Interlake Steamship Co.)
Cleveland.
‡Str. Amasa Stone 6282
‡Str. Venus 3719
‡Str. Neptune 3717
‡Str. Lupus 3871
(nee Gilchrist)
‡Str. Jupiter 3719
‡Str. Indus 3871
(nee Lake Shore)
‡Str. Tawrus 4470
(nee P. G. Walker)
‡Str. Sirius 4470
(nee R. L. Ireland)
‡Str. J. H. Reed.....5593
‡Str. Ames 5750
‡Str. Arcturus 7159
(nee J. B. Wood)
‡Str. H. P. Bope.....5750
‡Str. Sherwin 7159
‡Str. J. C. Wallace.....6684
‡Str. A. B. Wolvin.....6585
‡Str. Argus 4707
(nee L. Woodruff)
‡Str. Canopus 4978
(nee Geo. H. Russell)
‡Str. Cepheus 4551
(nee F. W. Gilchrist)
‡Str. Cetus 4720
(nee H. S. Sill)
‡Str. Corvus 4551
(nee J. L. Weeks)
‡Str. Cygnus 4725
(nee J. C. Gilchrist)
‡Str. J. H. Hoyt.....4363
‡Str. Hydrus 4713
(nee R. E. Schuck)
‡Str. D. G. Kerr.....5531
‡Str. Perseus 4978
(nee F. J. Hecker)
‡Str. Crete 6189
‡Str. Verona 6186
‡Str. Odanah 4907
‡Str. Hemlock 4796
‡Str. Calumet 4928
‡Str. Elba 4963
‡Str. Adriatic 4945
‡Str. D. O. Mills 6598
‡Str. Jay C. Morse.....6649
‡Str. Samuel Mather 6751
‡Str. Pathfinder 2424
‡Str. Victory 4527

Pickett, Charles,
Erie, Pa.
Gas. Ida 9

Pilgrim, James,
Meaford, Ont.
Tug Mascot 4

Pingree, Nan Mott,
Fairhaven, Mich.
Gyt. Result 17

Pittsburg Coal Co.,
Cleveland, O.
Str. Black Diamond 619
Str. Youghiogheny 177
Str. Fred J. Dunford 273
Str. Wm. G. Perry..... 481

Gross Tons

Pittsburg Steamship Co.,
H. A. Coulby Pres. & Mgr.,
Cleveland.
‡Str. Alva C. Dinkey 7614
‡Str. George F. Baker 7210
‡Str. Bessemer 4321
‡Str. Black 4521
‡Str. Briton 2348
‡Str. Bunsen 5181
‡Str. Thomas F. Cole.....7268
‡Str. Colgate 1713
‡Str. Coralia 4330
‡Str. Corey 6363
‡Str. Cornell 5082
‡Str. Cort 2234
‡Str. Crescent City 4213
‡Str. George B. Crawford.....7971
‡Str. Eads 3746
‡Str. E. J. Buffington.....7528
‡Str. Edenborn 5910
‡Str. Ellwood 5904
‡Str. Empire City 4118
‡Str. Ericsson 3200
‡Str. Fairbairn 4219
‡Str. J. A. Farrell 7765
‡Str. Wm. J. Filbert.....7962
‡Str. Frick 6490
‡Str. Fulton 4219
‡Str. Gary 6331
‡Str. Gates 5946
‡Str. German 2348
‡Str. Gilbert 2822
‡Str. Griffin 1879
‡Str. Harvard 5054
‡Str. Hill 6025
‡Str. Houghton 5332
‡Str. House 7769
‡Str. J. Pierpont Morgan 7161
‡Str. J. Pierpont Morgan, Jr..7521
‡Str. LaSalle 1935
‡Str. Linn 4328
‡Str. Thomas Lynch 7240
‡Str. McDougall 3686
‡Str. Malietoa 5229
‡Str. Manola 2325
‡Str. Maricopa 4223
‡Str. Mariposa 2831
‡Str. Mariska 2325
‡Str. Maritana 2957
‡Str. Mataafa 4840
‡Str. Mather 1713
‡Str. Matoa 2311
‡Str. Maunaloa 4951
‡Str. Morse 4936
‡Str. Murphy 4869
‡Str. Neilson 2234
‡Str. William J. Olcott.....7568
‡Str. P. A. B. Widener.....7053
‡Str. Perkins 6406
‡Str. Wm. P. Palmer.....
†Str. Henry Phipps 7240
‡Str. Poe 5619
‡Str. Princeton 5125
‡Str. Queen City 3979
‡Str. Ream, Norman B.....7053
†Str. Rensselaer 5124
‡Str. Percival Roberts Jr.....
‡Str. Rockefeller 2759
‡Str. Rogers, H. H.....7053
‡Str. Roman 2348
‡Str. Saxon 2348
‡Str. Shaw 4901
‡Str. Siemens 4344
‡Str. Stephenson 4563
‡Str. Superior City 4795
‡Str. Richard Trimble .....
‡Str. Van Hise 5117
‡Str. Watt 4090
‡Str. Wawatam 1879
‡Str. Wm. B. Dickson.....7568
‡Str. Wm. B. Schiller 7521
‡Str. Zenith City 3850

Plank, John O.,
South Fox Island, Mich.
Str. Diamond 16

Plunkett, George,
Cobourg, Ont.
Str. City of New York..... 292

Pofahl, Walter E.,
Manistee, Mich.
Gap. Vixen 8

Point Anne Quarries, Ltd.,
Toronto, Ont.
Str. John Ralph 421
Str. Lake Michigan .....

Polson Iron Works, Ltd.,
Toronto, Ont.
Str. Ella Mary 42

Pomeroy, Ernest,
St. Ignace, Mich.
Gas. Florence 10

Pomeroy, George,
Detour, Mich.
Sty. Victor 13

Pooler, James S.,
Sheboygan, Wis.
Str. Sidonie 13

Portage Pleasure Boat Assn.,
Portage, Wis.
Sty. Anna M. 92

Port Colborne & St. Lawrence Nav. Co., Ltd.,
Board of Trade Bldg.,
Toronto, Ont.
Str. Algonquin .....

Port Henry Steam Ferry Co.,
Port Henry, N. Y.
Str. G. R. Sherman 92

Port Huron & Duluth S. S. Co.,
Port Huron, Mich.
‡Str. Lakeland 2425
‡Str. Lakewood 1917
‡Str. Lakeport 1829

Port Huron & Sarnia Ferry Co.,
Port Huron, Mich.
Str. Grace Dormer 65
Str. James Beard 86
Str. Hiawatha 162
Str. Omar D. Conger 196

Post, J. W.,
Sandusky, O.
Str. Louise 83

Post, W. H.,
Ogdensburg, N. Y.
Sty. Karma 38

Postal S. S. Co.,
John J. Barlum (M. O.)
Detroit, Mich.
‡Str. John J. Barlum 6419
‡Str. Thomas Barlum.....5752

Potter, Teare Transit Co.,
Cleveland.
Str. Mary A. McGregor 711

Poupore, W. J.,
Montreal, Que.
Str. Enterprise 13
Tug Montmorency 18
Tug W. J. Poupore 47

Pratt, E. C.,
Parry Sound, Ont.
Str. Emma 146

Prendergast, James,
Cornwall, Ont.
Tug C. F. Dunbar 33

Prescott & Ogdensburg Ferry Co., Ltd.,
Prescott, Ont.
Str. Miss Vandenberg.....
Str. City of Belleville.....

Pringle Barge Line,
St. Clair, Mich.
Str. Isabella J. Boyce 368

Prout & Shampine,
Epoufette, Mich.
Gas. Violet 8

Pryor, James,
Houghton, Mich.
Tug Ethel J. Pryor..... 18

Purvis, James,
Gore Bay, Ont.
Str. Winona 231

Quebec & Levis Ferry Co.,
Quebec, Que.
Str. North 289
Prop. Pilot 422
Prop. Polaris 533
Str. South 349

Quebec Transp. & Forwarding Co., Ltd.,
Quebec, Que.
Tug Florence 113
Tug J. H. Hackett..... 117
Tug M. A. Hackett..... 78

Queen City Oil Co., Ltd.,
Toronto, Ont.
Gas. Motor Queen 20

Rainy River Nav. Co., Ltd.,
Kenora, Ont.
Str. Kenora 486

Ramage, D. L.,
Sturgeon Bay, Wis.
Yt. Edward Watkins..... 20

Randell, John,
Seely's Bay, Ont.
Str. John Milne 109

Randolph McDonald Co., Ltd., The,
Toronto, Ont.
Str. Sloth 17

Ranney Fish Co.,
Cleveland, O.
‡Sty. Ideal 20
Str. Castanet 46
‡Tug Ciscoe 15
Str. Lorain 49
Str. Gull 24
Tug Helene 24
Tug Rowira 35

Rardon, J. J.,
Chicago, Ill.
‡Str. Price McKinney 5250
Str. Phenix 1294

Rasmussen, H. P.,
Erie, Pa.
Gas. Leo A. 10

Rathbun Co.,
Deseronto, Ont.
Str. Deseronto 55
‡Str. Ella Ross 228
Str. Nile 96
Tug. Ranger 14
Tug. Rescue 52

Rattray, J. W.,
Clayton, N. Y.
Str. Niagara 36

Rebstock, J. E.,
Ridgeway, Ont.
Str. Ossifrage .....

Reeb, John A.,
Port Colborne, Ont.
Tug Maggie R. Mitchell..... 4

Rees, A. F.,
Houghton, Mich.
Yt. Morgan 29

Reeves, Wm. L.,
Toledo, O.
Gas. Halcyon 12

Reger & Werner,
Lorain, O.
Tug George Edward .....
Tug Sprudel 67

Rehberg, Herman D.,
Middle Bass Island, O.
‡Str. LeRoy Brooks 41

Reid Wrecking Co.,
Sarnia, Ont.
‡Str. John B. Ketchum 2d.... 908
Str. Adiramled .....
Str. Turret Bell .....
Tug Fisher .....
Str. Manistique 473

Reimers, Peter,
Port Clinton, O.
Gas. Henry C. 7

Rend, W. P., & Co.,
Chicago. (601 McCormick Bldg.)
Str. Wm. P. Rend.....2323

Republic Iron Co.,
M. A. Hanna & Co., Mgrs.,
Cleveland, O.
‡Str. Republic 2991

Republic Transp. Co., The,
M. A. Hanna & Co., Mgrs.,
Cleveland, O.
‡Str. W. L. Brown.....4998
‡Str. Mary C. Elphicke.....4998
‡Str. G. Watson French.....3883

Reynolds, James, Mgr.,
Brockville Transp. Co.,
Brockville, Ont.
Str. Senator Derbyshire.....1312

Richards, John,
Essexville, Mich.
Str. H. C. Schnoor 244

Richardson, H. W.,
Kingston, Ont.
Str. Glengarry 509
Tug Nellie Reid 56

Richardson, S. O.,
Toledo, O.
Gas Jessamine 57

Richardson, James & Son,
Kingston, Ont.
‡Str. Toiler .....
Str. Navajo 179

Richardson & Co., W. C.,
Cleveland, O.
‡Str. Howard M. Hanna Jr....5905
‡Str. David Z. Norton.....5667
Str. Roumania 1837
‡Str. Samuel Mitchell 2277
‡Str. J. H. Wade 1863
Str. William Edwards 1272
‡Str. C. Russell Hubbard.....6839
‡Str. Leonard B. Miller.....6291

Richelieu & Ontario Nav. Co. of the U. S.,
9 Victoria Sq.,
Montreal, Canada.
‡Str. Rochester 1603

Richelieu & Ontario Nav. Co.,
C. J. Smith, Mgr.,
Montreal, Can.
‡Str. Rapids King 1801
‡Str. Rapids Queen 1307
Str. Rapids Prince .....
Str. Saquenay .....
‡Str. Kingston 2925
‡Str. Toronto 2779

	Gross Tons
Str. Quebec	2656
‡Str. St. Irenee	768
‡Str. Murray Bay	969
‡Str. Tadousac	1701
‡Str. Belleville	946
‡Str. Berthier	934
‡Str. Terrebonne	636
Str. Longueil	479
Str. Boucherville	419
Str. Beaupre	2068
Str. Chicoutimi	992
‡Str. Montreal	4282
Str. Three Rivers	

Rideau Lakes Nav. Co.,
Kingston, Ont.

Str. Rideau King	266
Str. Rideau Queen	351

Ried, Joseph B.,
Ogdensburg, N. Y.

Str. Milton	19

Riley, John H.,
Menominee, Mich.

Tug I. J. Evans	14
Tug Katie Harrison	9

Riley, P. H.,
Erie, Pa.

Str. Willow	18

Ripley, Alton,
Oshkosh, Wis.

Sty. Aloha	18

Rixon, Ainslie, Stoddart Co., Ltd.,
Owen Sound, Ont.

Str. Stoddart	11

Robertson, Wm. P.,
Northport, Mich.

Tug Fisherman	18

Robinson Bros. Lumber Co.,
North Tonawanda, N. Y.

Str. C. H. Greene	700

Robinson, D.,
Scott's Point, Mich.
(Gulliver P. O.)

Gas. Marie	9

Robinson, Earl,
Frankfort, Mich.

Gas. Nellie	7

Robinson, John W.,
North Tonawanda, N. Y.

Str. C. H. Greene	700

Robinson, V.,
Chatham, Ont.

Tug Vick	13

Roby Trans. Co.,
L. C. Waldo, Mgr.,
Detroit, Mich.

‡Str. L. C. Waldo	4466

Rodal, Louis,
Frankfort, Mich.

Gas. Petrel	9

Roe & Co., Chas. S.,
Harbor Springs, Mich.

Str. Columbia	96
Tug B. F. Bruce	35

Roeser, Andrew,
Sister Bay, Wis.

Tug Volunteer	20

Rogers, Sarah A.,
Saugatuck, Mich.

Str. Cuckoo	36

Rommel, Medard,
Frankfort, Mich.

Gas. Hazel	6

	Gross Tons
Rondeau Tug Co.,	
Blenheim, Ont.	
Str. City of Dresden	198
Tug Thistle	36
Ronecker, Frank, Jr.,	
Tonawanda, N. Y.	
Tug R. H. Hebard	14
Roneker, Frank,	
Tonawanda, N. Y.	
Str. A. A. Bellinger	14
Str. Francis A. Bird	14
Rose, Ira M.,	
Tonawanda, N. Y.	
Cbt. George S. Daily	110
Cbt. Louis G. Dieholdt	110
Cbt. Flannery & Baker	110
Cbt. F. C. Lillis	110
Str. Albert Little	18
Cbt. Emily P. Shean	110
Cbt. Gertie Theall	110
Ross, Chas.,	
Port Maitland, Ont.	
Str. Oose River	16
Ross, F.,	
Port Maitland, Ont.	
Tug W. Wilson	15
Ross, George,	
Port Robinson, Ont.	
Tug Sandford	56
Str. Ella Taylor	34
Str. J. D. Schofield	51
Rovick, Nels,	
Frankfort, Mich.	
Gas. Agnes	7
Rudstrom, Mat.,	
Ludington, Mich.	
Gas. Irene R	9
Ruelle, Alex, Jr.,	
Detroit, Mich.	
Tug C. A. Lorman	41
Tug J. L. Miner	23
Rumley, D.,	
Owen Sound, Ont.	
Str. Geo. H. Jones	71
Russell, J. E.,	
Toronto, Ont.	
Dge. Jack Canuck No. 3	113
Rutland Transit Co.,	
Ogdensburg, N. Y.	
‡Str. Arlington	2338
‡Str. Benninghton	2285
‡Str. Brandon	2338
‡Str. Burlington	2285
‡Str. Ogdensburg	2329
‡Str. Rutland	2321
Str. W. A. Haskell	1530
Str. Wm. J. Averell	1603
Saginaw Valley Steamship Co.,	
Saginaw, Mich.	
Stp. Flora	561
St. Andre, Chas. E.,	
Naubinway, Mich.	
Gas. Water Witch	6
St. Jean, F. X.,	
Gatineau Point, Que.	
Str. Mansfield	169
St. Joe Isld. & Sault Line., Ltd.,	
Sault Ste. Marie, Ont.	
Str. City of Chatham	362
St. Lawrence River Power Co.,	
Massena, N. Y.	
Str. Gem	62
Dge. Alfred E. Hunt	510

	Gross Tons
St. Lawrence River Stbt. Co.,	
Kingston, Ont.	
Str. America	521
Str. Pierrepont	252
Str. Jessie Bain	67
St. Lawrence & Chicago Steam Nav. Co., Ltd.,	
605 Board of Trade,	
Toronto, Can.	
‡Str. E. B. Osler	6787
‡Str. G. R. Crowe	2940
‡Str. W. D. Matthews	3959
‡Str. Iroquois	2431
‡Str. James Carruthers	
Sands Salt & Lumber Co., Louis,	
Manistee, Mich.	
Str. Wotan	886
Str. Maggis Marshall	365
Tug James Hay	35
Sandusky & Islands Stbt. Co.,	
Sandusky, O.	
‡Stp. Arrow	365
Sandusky & Peninsular Stbt. Co.,	
Sandusky, O.	
‡Str. Lakeside	337
Sand & Dredging Co.,	
Toronto, Ont.	
Str. Commodore Jarvis	287
Sanford, James,	
Sandusky, O.	
Str. S. M. Stephenson	546
Str. Matthew Wilson	332
Sanford, S. J.,	
Barrie, Ont.	
Tug Lillie	50
Sarnia Trans. Co.,	
C. E. Millard, Mgr.,	
Sarnia, Ont.	
Str. Lake Michigan	588
Sarnia Tug & Transit Co.,	
Sarnia, Ont.	
Str. Hiawatha	163
Savannah Lumber Co.,	
Penetanguishene, Ont.	
Tug Dolphin	13
Saxton, H. W.,	
Aylmer, Ont.	
Tug James Storey	49
Schacht, Simon,	
Erie, Pa.	
Tug Tim Desmond	31
Tug Doctor	20
Tug E. C. Oggel	25
Tug Harry H. Boyd	36
Tug Keystone	18
Tug Uncle	14
Schau, F. G.,	
Port Clinton, O.	
Gas Blanche S.	8
Schlatter, C. G.,	
Saginaw, Mich.	
Tug Pioneer	88
Schlosser, Wm.,	
Milwaukee, Wis.	
Str. Rhoda Emily	570
Schmidt, August, Jr.,	
1110 Washington St.,	
Sandusky, O.	
Str. Hazel	66
Schneidewind, Ernst,	
Sheboyan, Wis.	
Tug Frederick Koehn	40
Schnorbach-Greiling Co.,	
Ludington, Mich.	
Str. Third Michigan	42

Gross Tons

Schoeppe, Erving W., Racine, Wis.
Gas. Florence 10

Schriver, W. J., Saugatuck, Mich.
Gap. Affinity 6

Schroeder, Henry, Kewaunee, Wis.
Tug G. M. A. Hermann.... 34

Schroeder Lumber Co., J., Milwaukee, Wis.,
Str. Ashland 97
Str. Hilton 166

Schwentner, F. W., 911 Schofield Bldg., Cleveland, O.
Str. H. D. Coffinberry..... 778

Scott, Albert B., Hancock, Mich.
‡Sty. Uarda 89

Scott, Frank, Collingwood, Ont.
Tug Saucy Jim 9

Scott, Williams, Wallaceburg, Ont.
Str. R. C. Brittain..... 200

Scott, W. J., Oswego, N. Y.
Tug Tonawanda 31

Seaman, Lee, Detour, Mich.
Gas. Holly S..... 13

Seavey, Daniel W., Frankfort, Mich.
Gas. Seavey 13

Shannon & Garey, Saginaw, Mich.
Str. Robert Holland 423
Str. Homer Warren 448
Str. Cherokee 1304

Shannon & Leehy, Valleyfield, Que.
Str. Reliance 239

Sharp, W. H., Bay City, Mich.
Str. J. P. Donaldson..... 521
Str. George King 532

Shaw, H. L., Bay City, Mich.
(See Lake Transit Co.)

Shaw, W. S., Boyne City, Mich.
Str. R. J. Gordon..... 280

Shawl, A. D., Cheboygan, Mich.
Gas. Red Wing 8

Shea, John, Duluth, Minn.
Tug Crosby 35

Sheehan, J. E., 970 Fourth Ave., Detroit, Mich.
Str. Montana 1212

Sheldon, W. H., Lexington, Mich.
Tug Douglass 97

Shenango Steamship Co., The, 1612 Rockefeller Bldg., Cleveland, O.
‡Str. William P. Snyder.....6939
‡Str. Wilpen 7612

Gross Tons

Shenango S. S. & Trans. Co., 1612 Rockefeller Bldg., Cleveland, O.
‡Str. Shenango 8407
‡Str. Col. Jas. M. Schoonmaker 8603
‡Str. Wm. P. Snyder, Jr.....8603

Sheppy, Marshall, Toledo, O.
Gyt. Roslyn 18

Shipman, George F., Escanaba, Mich.
Sty. Wawa 17

Shoal Water Trans. Co., Mt. Clemens, Mich.
Str. Norwalk 1007

Shoares & Tysver, Charlevoix, Mich.
Gas Mindora 12

Sibley, Hiram W., Rochester, N. Y.
‡Sty. Restless 104
Sty. Thetis 107

Simpson, Frank, Toronto, Ont.
Tug St. George 21

Sims, Charles L., Little Current, Ont.
Tug Fred Davidson 43

Sims, T. C. and C. L. D., Little Current, Ont.
Str. Bon Ami 245
Str. Evangeline 24

Sincennes-McNaughton Line, Ltd., Montreal, Que.
Str. Alberta 125
‡Str. Alice 67
Str. Conqueror 233
Tug Dandy 46
‡Tug Ethel 72
Tug Georgian 54
Str. Hudson 158
‡Str. J. O. Gravel..... 197
Tug Julia 91
Tug Lucia 41
Str. Mathilda 114
Str. McNaughton 137
Str. Rival 125
‡Str. Sincennes 228
‡Tug Spray 107
‡Str. Sin-Mac 322
Tug. Virginia 146
Tug. W. C. Francis..... 38
Tug. St. James..... 91

Sinclair Estate, A. R., Duluth, Minn.
Str. Simon Langell 845

Skenner Bros., Traverse City, Mich.
Gas. Willie 10

Slyfield, Jessie A., Frankfort, Mich.
Tug E. D. Holton 24

Smallman, A., Dundee, Que.
Str. Grenada 57
Str. Princess Louise 26

Smith, Frank W., Mgr., Foot Mineral St., Milwaukee, Wis.
Str. Mary H. Boyce 700

Smith, George W., Charlevoix, Mich.
Tug Onekama 33

Smith, John, (M. O.), Smith & Christiansen, Manistee, Mich.
Str. Helen C..... 622

Gross Tons

Smith, L. G., Muskegon, Mich.
Tug Ruby 17

Smith, O. H., Port Stanley, Ont.
Str. Glen Erie 43

Smith, Richard, Waukegan, Ill.
Str. Elsie Nell 41

Smith, R. K., Sheboygan, Wis.
Tug Sunbeam 53

Smith Stone Co., The Thos. H., Sturgeon Bay, Wis.
Tug John Hunsader 210

Smith Transit Co., Lyman C., Cleveland. (1007 Rockefeller Bldg.)
‡Str. Charles Hubbard 4846
‡Str. Smith Thompson 4786
‡Str. Lyman C. Smith 4072
‡Str. Harry Coulby 6495

Smith, Wm. L., Charlevoix, Mich.
Gas. Drake 7

Snook, John R., Mt. Clemens, Mich.
Str. Atlantis 197

Snyder, Ralph, 117 Market St., Sandusky, O.
Str. Columbus 26

Solman, Lawrence, Toronto, Ont.
Str. Mazeppa 146

Sonneman, E. A., Sheboygan, Wis.
Str. Fearless 28

Sorenson, Nels M., Detroit Harbor, Wis.
Str. Crystal 13

Southern Ry. & Nav. Co., Chicago, Ill.
Str. Thomas H. Benton 84
Str. Ida Mc. 33

South Haven Towing & Wrecking Co., South Haven, Mich.
Tug Craig 32

South Side Lumber Co., Chicago.
Str. Philetus Sawyer 449

Sowards, John F., Kingston, Ont.
Str. Sowards 238

Spalding Lumber Co., Chicago, Ill.
‡Str. Jesse Spalding.....1043

Spence Bros., 12409 Euclid Ave., Cleveland, O.
Str. H. E. Runnels 862
Str. Aztec 834

Spencer, H. R., Duluth, Minn.
Dge. Majestic 560

Spoor, Clinton D., Waukegan, Ill.
Gas. Four Bros. 12

Spring Lake Iron Co., Fruitport, Mich.
Str. Pentland 827

Gross Tons

Staley, Samuel S.,
Grand Island, N. Y.
‡Str. Ossian Bedell 296

Stalker, H. N.,
Collingwood, Ont.
Tug Hugh S. 24

Standard Contracting Co., The,
35 Wade Bldg.,
Cleveland, O.
Str. Pinola 25
Tug Elmer 31
Tug William Rollan 38
Tug Marion 17

Standard Oil Co., of Indiana,
Whiting, Ind.
‡Str. Renown 4154

Standard Sand & Gravel Co.,
51 Bridge St.,
Ashtabula, O.
Str. Bessie .....

Standard Steamship Co.,
James C. Wallace, Pres.,
Cleveland, O.
‡Str. H. P. Bope 5750

Stanton, Chas. L.,
Port Stanley, Ont.
Str. Ray Stanton 34

Staples, O. G.,
Washington, D. C.
Str. Capt Visger 895
Sty Idler 57

Starke Dredge & Dock Co., C. H.,
Milwaukee, Wis.
Tug Calumet 62
Str. M. A. Knapp 60
Tug Milwaukee 82
Tug Sioux 52
Tug Waubun 77
Dge. No. 2 236
Dge. No. 4 259
Dge. No. 7 292
Dge. No. 8 385
‡Dge. No. 9 959

Steinbrenner, Henry, Mgr.,
(Minch Transp. Co.),
Rockefeller Bldg.,
Cleveland, O.
‡Str. I. W. Nicholas 2624

Steinhoff, James W.,
Wallaceburg, Ont.
Str. City of Mt. Clemens..... 102

Stephenson, Isaac,
Marinette, Wis.
Str. I. Watson Stephenson.... 630

Stevens, D. E.,
Duluth, Minn.
Tug Joe D. Dudley 37
Str. Hope 11
Tug Minnie Karl 23
Tug Pacific 42

Stevens, John,
Neenah, Wis.
Sty. Cambria 48

Stevens, J. S.,
Oshkosh, Wis.
Str. Swallow 37

Stevenson, Jacob,
Sault Ste. Marie, Ont.
Dge. Edward Bros. No. 2.... 237
Dge. Edward Bros. No. 3.... 202

Stevenson, James,
Cedarville, Mich.
Tug Angler 18
Str. Russell Stevenson..... 28

Gross Tons

Stewart Trans. Co.,
John J. Barlum, Mgr.,
Detroit, Mich.
‡Str. A. E. Stewart 3943

Straschewski, John,
Green Bay, Wis.
Gas. Martha S..... 12

Strathcona, Ltd.,
Hamilton, Ont.
‡Str. Strathcona 1881

Strickland, Thomas,
Baraga, Mich.
Str. Clara S..... 15

Strong, Capt. Wm., Estate of
Tonawanda, N. Y.
Str. F. A. Meyer.....

Sturgeon Bay Stone Co.,
Sawyer, Wis.
Str. I. N. Foster..... 355
Tug Irma L. Wheeler..... 51

Sullivan, L. W., Mgr., 3 White Star Bldg.,
Toledo, O.
Str. City of Mt. Clemens..... 132

Sullivan & Co., D., Mgrs.,
Western Union Bldg., Chicago, Ill.
‡Str. Merida 3329
‡Str. Christopher 4263
‡Str. Kotcher, C. W.....4961

Superior Sand & Gravel Co.,
Detroit, Mich.
Str. F. C. Osborn .....

Swan, H.,
Port Burwell, Ont.
Tug Swan 14

Swinton, Andrew L.,
Ontonagon, Mich.
Tug Hoffnung Bros..... 56

Tallman, William,
Erie, Pa.
‡Tug Rocket 39

Temiscaming Nav. Co.,
Mattawa, Ont.
Str. Meteor 299
Str. Jubilee 117

Tett, B.,
Bedford Mills, Ont.
Tug Edmond 39

Texas Co., The,
Ogdensburg, N. Y.
Gas. Texas Ranger 13

Thacher, A. Q.,
Toledo, O.
Tug Frank S. Butler..... 38

Thibault, P. R.,
St. Ignace, Mich.
Gas. Veronica 9

Thoeman, Charles,
Sault Ste. Marie, Mich.
‡Yt. Volanta 33

Thom, J. S.,
Quebec, Que.
Str. H. R. James 2048
Tug Hope 19
Tug Spray 24
Tug Foam 16
Tug Ripple 13

Thompson, Eugene,
Toledo, O.
Str. H. G. Brooks..... 20

Thompson, Geo. E.,
Cheboygan, Mich.
Gas. Francis S..... 8

Gross Tons

Thompson, Hattie E.,
South Manitou, Mich.
Gap. Beatrice 8

Thompson, R. P.,
Port Huron, Mich.
Str. George W. Sigison..... 13
Tug George Nelson 45
Tug J. W. Westcott..... 18
Tug R. P. Thompson, Jr..... 18

Thompson, S.,
Cascades Point, Que.
Tug Honore 22

Thompson, Thomas C.,
Holland, Mich.
Gap. Togo 7

Thompson, Capt. Wm. F.,
Duluth, Minn.
Str. M. C. Neff..... 276

Thompson & Sons, A. I.,
22 South Water St.,
Port Arthur, Ont.
Str. D. R. Van Allen..... 318
Str. Niagara .....

Thousand Island Steamboat Co.,
Cape Vincent, N. Y.
Str. Thousand Islander .....
Str. Newsboy .....
New Island Wanderer..... 195
‡Str. Ramona 59
‡Str. St. Lawrence 312

Thrall Steamship Co.,
Green Bay, Wis.
Str. Orion 2283

Thunder Bay Con. Co.,
Port Arthur, Ont.
Tug Frank C. Barnes..... 46
Tug Inez 50

Tibbitts, Nelson C.,
Erie, Pa.
Tug Frank & Jim 26

Tittemore, J. N.,
Oshkosh, Wis.
Gyt. Floretta 25

Toledo Beach Pleasure Boat Co.,
Toledo, O.
Gas. Ripple 10

Toledo Builders' Supply Co.,
Toledo, O.
Str. Laura D..... 135
Str. Walter D..... 136
Str. D. Dussalt 55

Toledo S. S. Co., The,
John Craig, Mgr., Toledo, O.
‡Str. Eugene Zimmerman.....5630

Tomlinson, G. A., Mgr.,
Duluth, Minn.
‡Str. William Livingstone 6634
‡Str. Harry A. Berwind.....6634
‡Str. Frank C. Ball 6909
‡Str. Fred G. Hartwell.....6223
‡Str. Hoover & Mason 5841
‡Str. James E. Davidson 6206
‡Str. Sylvania 6272
‡Str. Socapa 6272
‡Str. Ball Bros.....5733
‡Str. Chester A. Congdon.....6530
‡Str. Harvey D. Goulder.....6617
‡Str. F. W. Hart.....4307
‡Str. C. W. Watson.....4306
Str. G. W. Peavey.....4997
‡Str. F. H. Peavey.....5002
‡Str. F. T. Heffelfinger.....4897
‡Str. F. B. Wells.....4897
‡Str. Sahara 5785
‡Str. Saxona 4716
‡Str. Sonoma 4539
‡Str. Sinaloa 4539
‡Str. Yosemite 3879

	Gross Tons
‡Str. Sonora	3630
‡Str. Sultana	3914
‡Str. Sierra	4846

Tonawanda Barge Line,
Chas. Weston, Mgr.,
N. Tonawanda, N. Y.

Str. F. R. Buell	951

Tonawanda Iron & Steel Co.,
Wm. M. Mills, Mgr.
N. Tonawanda, N. Y.

Str. Fleetwood	1687
Str. John F. Eddy	1678
Str. Oceanica	1490
Str. Clyde	1306
Str. Veronica	1093

Toronto Ferry Co., Ltd.,
Toronto, Ont.

‡Str. Blue Bell	300
Str. Island Queen	23
Str. Kathleen	110
Str. Luella	38
Str. Jasmine	298
Str. Clark Bros.	92
Str. John Hanlan	37
‡Str. Mayflower	189
‡Str. Primrose	189
‡Str. Trillium	673

Torrison, Torris,
Sheboygan, Wis.

Str. Lillie K.	10

Tourville, Louis,
Montreal, Que.

Str. Rodolphe	116

Tourville Lumber Co.,
Montreal, Que.

Str. Arthur	71

Toushek, George,
Escanaba, Mich.

Gas. H. B. Burger, Jr.	14

Tretheway & Sons,
Goderich, Ont.

Str. Tecumseh	840

Triton Steamship Co.,
A. E. Williams, Mgr.,
1201 Rockefeller Bldg.,
Cleveland, O.

‡Str. Rufus P. Ranney	4797

Tromp, Gerrit J.,
Muskegon, Mich.

Gas. Hannah T.	9

Trompour, David A.,
Cheboygan, Mich.

Gas. Castanet	13

Trotter, Norman,
Little Current, Ont.

Str. Wayne-Isbell	48

Trotter & Lanaway,
Amherstburg, Ont.

Str. J. E. Mills	149

Trudo, Peter,
Saginaw, Mich.

Str. G. R. Durkee	28

Trust & Guarantee Co.,
Toronto, Ont.

Str. City of Owen Sound	754

Tryon, George,
Eureka, Wis.

Str. Theresa	37

Tucker, J. M.,
Mt. Clemens, Mich.

Str. Lily	104

	Gross Tons
Turgeon, William, Ashland, Wis.	
Tug Mary Scott	26
Turnbull, William, Douglas, Mich.	
Str. Liberty	143
Turner, A. F., Naubinway, Mich.	
Gas. Two Sisters	8
Tuttle, E. G., Erie, Pa.	
Tug Eagle	16
Twombley, David, Superior, Wis.	
Gas. Janet	7
Two Rivers Dredge & Dock Co., Two Rivers, Wis.	
Tug Alphard	32
Tyler, Alton B., Dunkirk, N. Y.	
Tug Gem	14
Tyson, W. M., Wiarton, Ont.	
‡Str. Crawford	50
Union Steamship Co., Ltd., Hamilton, Ont.	
‡Str. Glenellah	2272
United Factories, Toronto, Ont.	
Tug Lilly May	10
U. S. & Dominion Trans. Co., Majestic Bldg., Chicago, Ill.	
‡Str. America	937
‡Str. Easton	460
Upham, S. D., Saugatuck, Mich.	
Tug Apollo	30
Upper Ottawa Improvement Co., Ottawa, Ont.	
Str. Albert	296
‡Str. Alert	53
Str. Alexander Fraser	320
Str. Alexander	417
Str. C. B. Powell	272
‡Str. E. H. Bronson	285
Str. Frontenac	8
Str. G. B. Greene	255
‡Str. G. B. Pattee II	51
‡Str. Hamilton	285
‡Str. Hiram Robinson	203
‡Str. Lady Minto	403
Str. Muskrat	35
Str. Pembroke	194
Upton, Frank S., Charlotte, N. Y.	
Str. Saginaw	508
Sty. Vita	69
Vadeboncoeur, M., Sorel, Que.	
Prop. Robert Stoker	14
Vance & Joys Co., Mgrs., 211 Mitchell Bldg., Milwaukee, Wis.	
‡Str. Maryland	2419
Str. Fred Schlesinger	2607
Van der Vaart, John, Sheboygan, Wis.	
Str. Augur, Chas. H.	25
Van Duzen, S. R., Alexandria Bay, N. Y.	
Str. Vacuna	47
Van Dyke, Wallace H., Pentwater, Mich.	
Gas. Starlight	130

	Gross Tons
Van Ells, H., Port Washington, Wis.	
Str. P. Reckinger	42
Van Vlack, William E., Picton, Ont.	
Str. Chub	57
Van Weelden, Isaac, Grand Haven, Mich.	
Tug Ellen Hall	9
Van Zanten, Cornelius, et al., Grand Haven, Mich.	
Str. Anna	25
Tug C. A. Meister	23
Vaudreuil, Leo, Two Rivers, Wis.	
Gas. E. J. Vaudreuil, Jr.	7
Vaughan, Thos. W., Manistee, Mich.	
Gas. Dolphin	7
Verduin Bros., Grand Haven, Mich.	
‡Tug C. J. Bos	34
Ver Duin, William, et al., Grand Haven, Mich.	
‡Str. H. J. Dornbos	44
Victoria Harbour Lbr. Co., Victoria Harbor, Ont.	
Tug. Charlton	389
Tug. Severn	44
Str. Lena Jackson	29
Prop. Butcher Boy	215
Virginia S. S. Co., M. A. Hanna & Co., Mgrs., Cleveland, O.	
‡Str. Isaac M. Scott	6372
Visger, H. W., Alexandria Bay, N. Y.	
Sty. Sophia	16
Volunteer Transit Co., Cleveland. (Rockefeller Bldg.)	
‡Str. Charles Beatty	986
Vulcan Steamship Co., 522 Rockefeller Bldg., R. H. Pigott, Mgr., Cleveland, O.	
‡Str. William B. Davock	4468
Wachsmith, Henry J., Bayfield, Wis.	
Str. Henry F. Brower	30
Tug Robert Emmet	32
Wade, J., Grenville, Que.	
Tug H. M. Mixer	30
Wagoner, D., Alexandria Bay, N. Y.	
Str. Capt. Dave Wagoner	19
Tug Virginia	22
Wagoner, George S., Alexandria Bay, N. Y.	
Sty. Louise	49
Waldie, F. N., Toronto, Ont.	
Str. Siesta	99
Waldo, L. C., Detroit, Mich.	
See Roby Trans. Co.	
See North Western Trans. Co.	
See Omega Trans. Co.	
Walkerville & Detroit Ferry Co., Detroit, Mich.	
Str. Ariel	201

Gross Tons

Wallace, W. H.,
Lockport, Ill.
Stb. Joliet 93

Wallace, W. J.,
Henry, Ill.
Str. Niagara 99

Wallace & Cunningham Transit Co.,
Detroit, Mich.
Str. W. B. Morley 1748

Walter, Joseph,
Sturgeon Bay, Wis.
Str. Lorena 34

Walsma, John et al.,
Grand Haven, Mich.
‡Tug Robert E. Johnston 22

Walther, John H.,
Bay City, Mich.
Str. Tempest 412

Warren, Sarah,
Tonawanda, N. Y.
Tug Warren 19

Warren, Wm. F.,
Tonawanda, N. Y.
Tug Geo. S. Donaldson..... 13

Waters, George H., Jr.,
Frankfort, Mich.
Gas. Grace W..... 11
Tug Potawatomie 17

Watson, James S.,
Rochester, N. Y.
‡Sty. Genesee 212

Webb, W. S.,
Shelburne Vt.
‡Sty. Elfrida 146

Weborg, Alfred,
Gill Rock, Wis.
Tug G. W. Joyce..... 25

Weborg, Ruth M.,
Marinette, Wis.
Gas. Reliance 14

Weddell, R.,
Trenton, Ont.
Tug Aurelia 32
Tug Minitaga 73

Wells, Frank R.,
Burlington, Vt.
Str. Ausable 19

Wells, Seymour,
174 Niagara St.,
Tonawanda, N. Y.
Str. Tempest No. 2.....

Welsh, Richard M.,
Erie, Pa.
Str. Ruth 14

Welsh, Thomas J.
Erie, Pa.
‡Str. Ruth 35

Wendling, Antoine,
Brockville, Ont.
Str. Senator Derbyshire.....1246

Werner, John H.,
Lorain, O.
Tug Srudell 67

Westaway, P.,
Duluth, Minn.
Tug N. P. 42

Western Nav. Co., Ltd.,
Fort William, Ont.
‡Str. Kaministiquia 2173

Gross Tons

Western S. S. Co., Ltd.,
72 Bay St.,
Toronto, Ont.
Str. Wexford .....
‡Str. J. A. McKee 2158

Western Stone Co.,
Chicago, Ill.
Tug F. O. Earnshaw..... 33

Western Transit Co.,
E. T. Douglas, Mgr.,
Buffalo, N. Y.
‡Str. Rochester 4571
‡Str. Boston 1829
‡Str. Buffalo 3951
‡Str. Chicago 3195
‡Str. Duluth 4623
‡Str. Milwaukee 3327
‡Str. Mohawk 2357
‡Str. Superior 4544
‡Str. Troy 3655
‡Str. Utica 3533

White Transportation Co.,
Chicago and Mackinaw Sts.,
Buffalo, N. Y.
Str. Arizona 765
Str. H. E. Runnels..... 889

White Star Line,
B. W. Parker, Mgr.,
Detroit, Mich.
‡Str. Tashmoo 1344
‡Str. Greyhound 1392
‡Str. City of Toledo 1003
‡Str. Owana 747
‡Str. Wauketa 903

Whitney Bros. Co.,
Superior, Wis.
Str. E. G. Maxwell 88
Tug Major Dana 52
Tug F. H. Stanwood 18
Tug The Moose 98

Wicks, Harry T.,
Saginaw, Mich.
‡Sty. Capitola 123
Sty. Catherine 46

Widerman, Edward J.,
Charlevoix, Mich.
Gas. Eagle 13

Wilbur, E. P.,
S. Bethlehem, Pa.
Sty. Sport 72

Wilbur, O. E., et al.,
Charlevoix, Mich.
Str. Lou A. Cummings..... 62

Wilke, Fred,
Two Rivers, Wis.
Gas. Clara S. 30

Wilkins, William,
Oshkosh, Wis.
Str. Mayflower 49

Wilkinson, H. S., Mgr.,
(Great Lakes S. S. Co.),
Rockefeller Bldg.,
Cleveland, O.
‡Str. Charles Hubbard 4846
‡Str. L. C. Smith 4702
‡Str. Hurlbut W. Smith 4662
‡Str. Harry Coulby 6495
‡Str. William Nottingham 4234
‡Str. John B. Cowle 6614
‡Str. Denmark 5448
‡Str. Geo. B. Leonard 4037
‡Str. Monroe C. Smith 4281
‡Str. John Dunn, Jr.....6160
‡Str. B. Lyman Smith 4702
‡Str. Horace S. Wilkinson 3860
‡Str. Wilbert L. Smith 4319

Gross Tons

‡Str. Chas. M. Warner 3812
‡Str. Norway 6673
‡Str. W. W. Brown 3582
‡Str. A. G. Brower 3582
‡Str. Smith Thompson 4786
‡Str. A. E. Nettleton.....6286
‡Str. J. F. Durston 4791
‡Str. Lyman C. Smith.....6200

Williams, R. A., Mgr.,
1023 Rockefeller Bldg.,
Cleveland, O.
‡Str. A. M. Byers 6364
‡Str. Peter Reiss 5923
‡Str. John P. Reiss.....6432
‡Str. Brazil 2186
‡Str. America 2171
‡Str. J. G. Riddle.....6832

Williamson, Wm.,
Manitowoc, Wis.
Gas. Oscar Newhouse 70

Willits, Samuel,
Monroe, Mich.
Gas. Arbutus 7

Willoughby, W. J.,
Willoughby, O.
Str. John Harper 1951
Str. Case 2278

Wilson, Frank,
Port Washington, Wis.
Gas. Loyola 23

Wilson, H. O.,
St. Joseph, Mich.
Gas Grace W 15

Wilson Transit Co., The,
Cleveland.
‡Str. Upson, J. E. 6309
‡Str. Chas. S. Hebard.....6291
‡Str. Gen. Garretson.....6765
‡Str. H. P. McIntosh.....6765
‡Str. Henry W. Oliver.....4909
‡Str. Capt. Thos. Wilson.....4719
‡Str. Andrew Carnegie 4106
‡Str. W. D. Rees 3760
‡Str. Yuma 2194

Wilson, William P.,
Saugatuck, Mich.
Tug John A. Aliber..... 32

Wilson, W. S.,
Northport, Mich.
Str. Cecil W. 12

Windsor Dredging Co., Ltd.,
Windsor, Ont.
Dge. Peltier 257

Wineman, Henry, Jr.,
Detroit, Mich.
Str. City of Berlin 2051
‡Str. Chas. L. Hutchinson....6377

Winnebago Tug Boat Co.,
Oshkosh, Wis.
Str. S. W. Hollister..... 49
‡Str. M. D. Moore..... 59

Winona S. S. Co., Ltd.,
Hamilton, Ont.
‡Str. Winona 2085

Winowiecki, Chas.,
Traverse City, Mich.
Gas. Clara 10

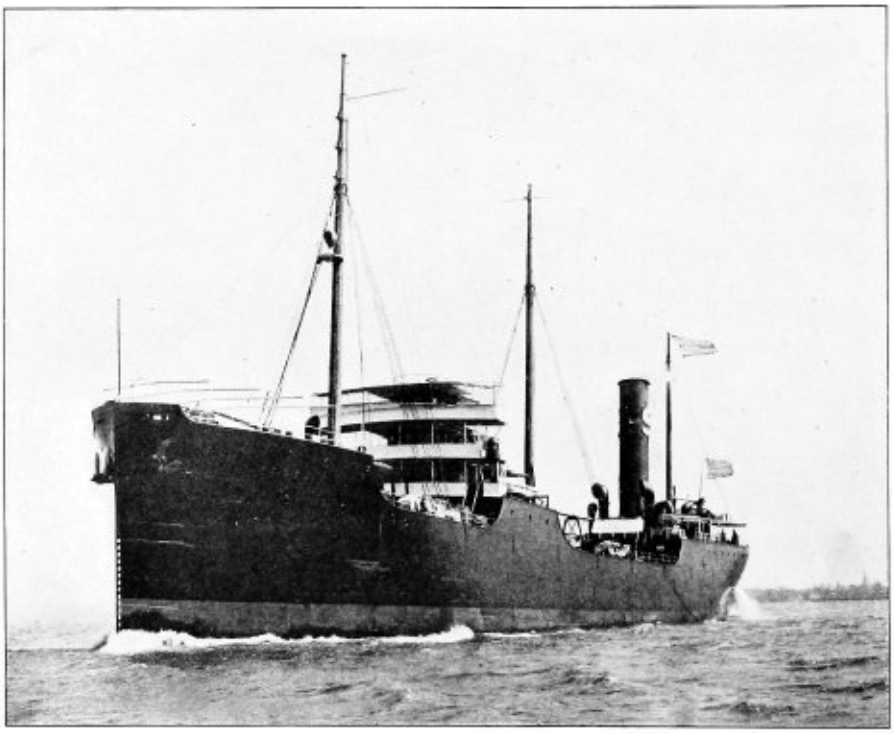
Winton, Alexander,
Lakewood, O.
Sty. La Belle 140

Wisch, Herman,
Sheboygan, Wis.
Gas. Topaz 14

Wisconsin Land & Lumber Co.,
See W. E. Holmes & Co., Mgrs.,

Wisconsin Steel Co.,
606 S. Michigan Ave.,
Chicago, Ill.
‡Str. The Harvester.....7188

	Gross Tons
Wolfe Island Township Council, Wolfe Island, Can.	
‡Str. Tom Faucett	223
Wolvin, A. B., Duluth, Minn.	
‡Tug Islay	26
Str. James R. Sinclair	71
Wood, George W., Indianapolis, Ind.	
Sty. Alert	99
Woods, William J., Mt. Clemens, Mich.	
Str. Mineral City	57
Woodworth, Fred, West Webster, N. Y.	
Sty. Zella	13
Str. F. C. Woodworth	89
Wright, A. A., Toronto, Ont.	
Tug. Reginald	186
Wright, F. W., Wiarton, Ont.	
Str. Runabout	9
Wright, J. J., Toronto, Ont.	
Str. Electric	49
Wyandotte Transp. Co., Detroit, Mich.	
‡Str. Alnena	2886
‡Str. Wyandotte	2095
Wyckoff, E. G., Ithaca, N. Y.	
Sty. Ezra Corne'l	30
Wyoming S. S. Co., Boland & Cornelius, Mgrs., Buffalo, N. Y.	
Str. Wyoming	1952
Young, Levi, Port Bruce, Ont.	
Tug Enterprise	18
Tug Uncle Tom	8
Youngs, Amos, Oconto, Wis.	
Gas. Gertrude	8
Zenith Dredge Co., Duluth, Minn.	
Tug Mystic	63
Tug Duncan Robertson	37
Dge. No. 1	204
Dge. No. 2	110



OIL TANKER VESTA

Shipbuilders of Seaboard and Western Rivers.

For Ship Builders of Great Lakes, see pages 141-142; for Repair Yards, see pages 145-150.

It will be noted that this list is divided first as to the leading builders of steel vessels; then the builders of wooden vessels, mostly for coasting purposes, and separate from these the builders of river vessels, yachts, tugs and small craft.

Builders of Iron and Steel Vessels.

(*Build also engines and boilers.)

*Atlantic Works, The, Boston, Mass.

*Bath Iron Works, Bath, Me.
*Brewer Dry Dock Co., Mariner Harbor, S. I., N. Y.
*British Columbia Marine Ry. Co., Ltd., Victoria, B. C.
Burlee Dry Dock Co., Port Richmond, S. I., N. Y.

Cates, G. Vancouver, B. C.
*Clarke Co., James, Baltimore, Md.
*Craig Shipbuilding Co., Long Beach, Cal.
*Cramp & Sons Ship & Engine Bldg. Co., Wm., Philadelphia, Pa.

*Dialogue & Son, John H., Camden, N. J.

*Fore River Shipbuilding Co., Quincy, Mass.

*Gas Engine & Power Co., and Chas. L. Seabury & Co., Consolidated, Morris Heights, N. Y.

*Harlan & Hollingsworth Corporation, Wilmington, Del.
*Herreshoff Mfg. Co., Bristol, R. I.

*Johnson Iron Works, Ltd., The, Julia & Water sts., New Orleans.

*Lawley & Son Corp'n, Geo., South Boston, Mass.

*McIntyre & Henderson, Foot Montgomery St., Baltimore.

*Marvel, T. S., Ship Building Co., Newburg, N. Y.
*Maryland Steel Co., Sparrow's Point, Md.
*Merrill-Stevens Engineering Co., Jacksonville, Fla.
*Murray & Tregurtha Co., So. Boston, Mass.

*Newport News Shipbuilding & Dry Dock Co., Newport News, Va.
*New York Ship Building Co., Camden, N. J.

*Pusey & Jones Co., Wilmington, Del.

*Riverside Iron Works, Charleston, S. C.
*Seattle Construction & Dry Dock Co., Seattle, Wash.

*Sewall & Co., Arthur, Bath, Me.
*Skinner, Lewis H., Wilmington, N. C.
*Skinner Ship Building & Dry Dock Co., Baltimore.
Southern Pacific Co., W. Oakland Yards, West Oakland, Cal.
*Spedden Shipbuilding Co., Baltimore, Md.
*Staten Island Shipbuilding Co., Port Richmond, S. I., N. Y.

*Union Iron Works Co., San Francisco, Cal.

*United Engineering Works, 224-232 Spear St., San Francisco.

*Victoria Machinery Depot Co., Ltd., Victoria, B. C.

Wallace, A., Vancouver, B. C.
Wallace Ship Yard, North Vancouver, B. C.
*Waters-Colver Co., West New Brighton, Staten Island, N. Y.
*Willamette Iron & Steel Works, Portland, Ore.

Builders of Wooden Vessels, Mostly for Coasting Purposes.

(*Build also engines and boilers.)

Adams & Son, W. Irving, East Boothbay, Me.

Baker, J. P., Chincoteague, Va.
Bath Marine Construction Co., Bath, Me.
*Bayles & Son, Jas. M., Port Jefferson, L. I., N. Y.
Beacham & Bros., J. S., Baltimore.
Bean, R. L., Camden, Me.
Bendixsen Ship Building Co., H. D., Eureka, Humboldt Co., Cal.
*Bertelsen & Petersen Engrg. Co., East Boston, Mass.
Berwick Shipyard Co., Berwick, La.
Bethel Marine Co., Bethel, Del.
Blockson Dock Co., Punta Gorda, Fla.
Booz Bros., foot of Montgomery st., Baltimore, Md.
Bowker & Son., F. S., Phippsburg, Me.
Bridgeport Shipyard Dept. of Lake Torpedo Boat Co., Bridgeport, Conn.
Brooks, John M., East Boston, Mass.
Butler & Co., Rockland, Me.

Camden Railway Co., Camden, Me.
Carleton, Norwood & Co., Rockport, Me.
Chapman, A. E., Benicia, Cal.
Clark, David, Kennebunkport, Me.
Clooney Construction & Towing Co., Westlake, La
Cobb, Butler & Co., Rockland, Me.
Colona's Marine Railway Corp., Norfolk, Va.
Colonna Marine Railway Corp., Berkeley, Va.
Crawford & Reid, Tacoma, Wash.
Crosby, E. S., Bath, Me.
Curry's Sons Co., William, Key West, Fla.

Dailey, J. E., Camden, Me.
De Angelo, John, Moss Point, Miss.
Deering Co., G. G., Bath, Me.
Dunn & Elliott, Thomaston, Me.
Duthie & Co., J. F., Seattle, Wash.

East Side Docking Co., Mobile, Ala.

Fogg, Hiram E., Bucksport, Me.
Frentz, Geo. Scranton, Miss.

Gamage & Co., A. & M., South Bristol, Me.
Gardner, Charles D., Provincetown, Mass.

Gilchrist, Geo. A., Belfast, Me.
Gildersleeve Shipbuilding Co., Gildersleeve, Conn.
Gokey & Co., William J., Brooklyn, N. Y.
Gratto & Reimers, San Francisco.
Green Co., Richard T., Chelsea, Mass.
Gulf Dry Dock Co., Mobile, Ala.
Gulfport Ship Yard, Thos. M. Favre, Gulfport, Miss.

Hadgdon Bros., East Boothbay, Me.
Hagan & Co., Peter, (Yard at E. Camden, N. J.) 218 Walnut St., Philadelphia, Pa.
Haggett, Eben, Damariscotta, Me.
*Hall Bros. Marine Railway & Shipbuilding Co., Winslow, Wash.
Hamlin Railway Co., Brewer, Me.
Hanlon & Co., D. J., Alameda, Cal.
Hartford & New York Transportation Co., Hartford, Conn.
Hawkins, John F., Port Jefferson, N. Y.
Hawley, J. W., Bath, Me.
Hay & Wright, Oakland, Cal. (also San Francisco.)
Heath, E. W., Seattle, Wash.
Heath, E. W., Tacoma, Wash.
Hill, J. J., Tacoma, Wash.
Holmes Ship Building Co., West Mystic, Conn.

Kelley & Son, D. D., East Boston, Mass.
Kelley-Spear Co., Bath, Me.
Kirby, Thomas H. & Sons, St. Michaels, Md.
Kruse & Banks, Marshfield, Ore.

Leach, S. D., Brewer, Me.
Lindstrum, J., Estate of, Aberdeen, Wash., and Eureka, Cal.
Lutcher & Moore Co., Orange, Tex.

McDonald, M. B., New London, Conn.
McKie, Wm., 100 Border St., East Boston, Mass.
McWilliams, Frank, West New Brighton, S. I., N. Y.; Office No. 1 Broadway, New York.

Marine Railway & Lumber Co., Bangor, Me.
Marine Ry., Machine & Boiler Works, Baltimore, Md.
Marine Ry., Ship Building & Coal Co., Alexandria, Va.
*Marr, John E., West Haven, Conn.
Mathis, John H., Camden, N. J.
Matthews Ship Building Co., Hoquiam, Wash.
Meyer Shipbuilding Co., National City, Calif.
Minott, C. V., Phippsburg, Me.
*Moore & Scott Iron Works, San Francisco, Cal. (Also Oakland, Cal.)
Morse Bros., Bath, Me.
Morse, Wilbur A., Friendship, Me.

New England Co., Bath, Me.
New Jersey Dry Dock & Transportation Co., Elizabethport, N. J.
*New London Ship & Engine Building Co., Groton, Conn.
Nickolson, Thomas M., Bucksport, Me.
Norfolk Marine Railway, Inc., Berkley, Va.
Nutt, J. B., Perry, Me.

Ollinger & Bruce Dry Dock Co., Mobile, Ala.
Owen, Evan, Weems, Va.

Palmer (Robert) & Son Ship Building & Marine Railway Co., Noank, Conn.
Paquet, Jos., 112 E. Twelfth St., Portland, Ore.
Pendleton, F. C., Belfast, Me.
Percy & Small, Bath, Me.
Phillips, G. K. & Co., Bethel, Del.
*Phoenix Engineering Co., Tacoma, Wash.
Pickels Co., F. W., Annapolis, Royal, N. S.
Pictou Marine Ry., Pictou, N. S.
Pigeon, John, Provincetown, Mass.
Poillon, C. & R., New York & Clinton St., So. Brooklyn, N. Y.
Portland Shipbuilding Co., Portland, Ore.
Portland Shipbuilding Co., Portland, Me.
Providence Dry Dock & Mar. Ry. Co., Providence, R. I.

*Quigley, Davis & Dorp, Camden, N. J.

Rafuse, J. N., Conquerall Banks, N. S.
Rawley, G. W., Tenant's Harbor, Me.
*Read Bros., Fall River, Mass.
*Rice Bros. Co., Inc., East Boothbay, Me.
Rice, Frank, East Boothbay, Me.
Rohde & Sons, Chas. L., Boston St., Baltimore, Md.

St. Johns Shipbuilding Co., Portland, Ore.
*Saunders, Stillman, Saunderstown, R. I.
Sawyer & Son, W., East Machias, Me.
Sawyer Bros., Milbridge, Me.
Sawyer, Warren, Milbridge, Me.
Seaford Marine Railway Co., Seaford, Del.
Sharptown Marine Railway & Shipbuilding Co., Sharptown, Md.
Sloan, Philip D., Seattle, Wash.
Smith Bros., Scranton, Miss.
*Smith & McCoy, 205 Water Ave., Norfolk, Va.
Snow & Co., I. L., Rockland, Me.
South Marine Railway, Rockland, Me.
Southern Shipbuilding Co., Tottenville, S. I., N. Y.
*Starin Ship Yard & Iron Works, Port Richmond, S. I., N. Y.
Story, Arthur D., Essex, Mass.
*Supple, Jos., Foot Belmont St., Portland, Ore.
Sweeney Ship Yard & Foundry Co., M. A., Jeffersonville, Ind.

Tarr & James, Essex, Mass.
Thomas & Co., W. E., Berkley, Va.
Thompson, George, Scranton, Miss.
Tibbetts, Eliphalet, Boothbay Harbor, Me.
Timbs, N. H., Fairport, Va.

Walker, George C., Toledo, Ore.
Ward, Charles, Kennebunkport, Me.
Washburn Bros., Thomaston, Me.
*Washington Mill Co., Hadlock, Wash.
Wetherill Bros. Machine Co., Chester, Pa.
White & Son, E. I., Edmunds, Me.
Willey, E. S., Elizabeth City, N. C.
Woodall & Co., Wm. E., Baltimore, Md.

Builders of River Vessels, Yachts, Tugs and Other Small Craft, Mostly of Wood. Also Repair Yards.

(*Build also engines and boilers.)

Abbott, William G., Milford, Del.
American Boat & Mach. Co., 3517 Second St., St. Louis, Mo.
American Bridge Co., Pittsburg, Pa.
Atlantic Shipping Co., The, Stonington, Conn.
*Averill, James, Jr., Champlain, N. Y.
*Axton & Son, A., Brownsville, Pa.

Bacon, Vaughan D., Barnstable, Mass.
Baisden, John, Rondout, N. Y.
Baker, Fillmore A., Patchogue, N. Y.
Baker, Yacht Basin, Inc., Quincy, Mass.
Baldwin, William H., New Baltimore, N. Y.
Barmon & Southerland, Grassy Point, N. Y.
Barrett & Son, John, Chamber of Commerce Building, Cincinnati.
Bergman, C. E., Snohomish, Wash.
Bigelow, R., Monument Beach, Mass.
Bishop, H. G., Gloucester, Mass.
Bishop, John, Gloucester, Mass.
Blair, J. H., Boothbay, Me.
Blaisdell & Sons, N., Bath, Me.
Bridgeport Marine Railway Co., Bridgeport, Conn.
*B. C. Marine Railways Co., Ltd., Vancouver, B. C.
Brooks, Samuel W. K., East Boston, Mass.
Brown & Sons, A. C., Tottenville, N. Y.
Brown, C. F., Pulpit Harbor, North Haven, Me.
Brown, E. H., Taunton, Mass.
Brown Transportation Line, M. P. Brown, Mgr., Ithaca, N. Y.
Brown Sons, W. H., Pittsburgh, Pa.
Burgess Co., Ltd., W. Starling, Marblehead, Mass.
Burleigh & Bro., H. G., Whitehall, N. Y.
Bushey, Ira S., Foot 20th St., Brooklyn, N. Y.
Byles, Geo. W., City Island, New York.

Camden & Rockland Lime Co., Rockland, Me.
Camden Ship Repair Co., Camden, N. J.
Camden Yacht Bldg. & Ry. Co., C. F. Carver, Supt. and Treas., Camden, Me.
Clapham, Thomas, Roslyn, N. Y.
Clooney Construction & Towing Co., Westlake, La.
Cobb, E. N., Brewer, Me.
Codina, F. M., Foot Dauphin St., Mobile, Ala.
Compton, Howard, Leesburg, N. J.
Conklin, D. S., Patchogue, N. Y.
Cook & Lake, Ballard, Wash.
Crammond, W. D., Hawesville, Ky.
Crane's Sons, Theo. A., Erie Basin, Brooklyn, N. Y.
Cruger, William, East Oakland, Cal.

Daniels, Louis, Vergennes, Vt.
Davidson & Griffin, South Portland, Me.
Davis, M. M., Solomons Island, Md.
Deibert, Henry, Barge Building Co., Elkton, Md.
Diamond Joe Line, Dubuque, Ia.
Downing & Lawrence, Brooklyn, N. Y.
Dubuque Boat & Boiler Works, Dubuque, Iowa.

Electric Launch Co., Bayonne, N. J.
Ellis & Son, J. S., Tottenville, N. Y.
Embree & Bros., Sherwood, Quincy Point, Mass.
Emmons, E. Gerry, 53 New Ocean St., Swampscott, Mass.
Essington Ship Yard & Marine Railway, John S. Sheppard, prop., Essington, Pa.

Fedde & Anderson, Brooklyn, N. Y.
Fenton, David, Manchester-by-the-Sea, Mass.
Flesher, B. T., Prop. Excel Docks, Middleport, O.
Ford, W. D., Athens, N. Y.
Frazier's Yacht Yard, Marblehead, Mass.

Godfrey, M. I., Wabasha, Minn.
Godfrey Marine Ways Co., Lyons, Ia.
*Grays Harbor Iron & Steel Co., Hoquiam, Wash.
Greenport Basin & Construction Co., Greenport, N. Y.
Greenwich Piers Marine Ry. Co., Greenwich Piers, N. J.
Greenwich Yacht Yard, Greenwich, Conn.

Haines & Montieth, Gallipolis, O.
Ham, O. A., Mahone Bay, N. S.
Hammett, J. M., Marietta, O.
Harrison & Sons, Joseph L., Tilghman's Island, Md.
Hiltebrant, C., Rondout, N. Y.
Howard, C. W., Peakes Island, Me.
Howard Ship Yard, Jeffersonville, Ind.

Ingalls, Charles H., East Machias, Me.
Irving, Thomas, Gloucester, Mass.

Jacob, Robert, City Island, N. Y.
Jacobs, N. A., Portland, Me.
Jakobson & Peterson, Foot 24th St., S. Brooklyn, N. Y.
Jarvis & Son, Stockton, Cal.
Johnson-Crutte Ship Yard & Boat Building Co., New Orleans, La.

Keough, R. F., East Boston, Mass.
King & Winge, West Seattle, Wash.
Kirk, Wm. P., Tom's River, N. J.
Kneass, Geo. W., 718 Third St., San Francisco, Cal.
Knox & Son, M. G., Marietta, O.

Lake Torpedo Boat Co., The, Bridgeport, Conn.
Leary, James D., Long Island City, N. Y.
*Lockwood Mfg. Co., E. Boston, Mass.
Long Island City Machine & Construction Co., Long Island City, N. Y.

McCabe, Al., Jacksonville, Fla.
McCarthy & Bro., John, New Brighton, N. Y.
McCausland & Co., Rondout, N. Y.
McIntyre & Henderson, Baltimore, Md.
McWilliams, Frank, New Brighton, N. Y.

Madison Marine Ry. and Ship Yard, Madison, Ind.
*Marine Construction & Dry Dock Co., Mariner Harbor, S. I., New York.
Martin, Ambrose A., East Boston, Mass.
*Mather & Co., C. B., Rowley, Mass.
Mather, J. T., Port Jefferson, N. Y.
Miller & Co., Geo. H., Patchogue, N. Y.
Miller & Schreiner, Dubuque, Ia.
*Mosher, C. D., No. 1 Broadway, New York, N. Y.
Mozena Bros., Clarington, O.
Mutual Machine Co., Washington, N. C.

Needs, Geo., Whitehall, N. Y.
New London Marine Iron Works, The, New London, Conn.
New Orleans Dry Dock & Shipbuilding Co., Algiers, La.
Nilson Yacht Building Co., Baltimore, Md.
Nock, Frederic S., East Greenwich, R. I.

Penman Steel & Iron Works, Beaumont, Tex.
Perth Amboy Dry Dock Co., Perth Amboy, N. J.
Peters & Son, Samuel, Wabasha, Minn.
Pregnall, Samuel J., Charleston, S. C.
Pushee, Lyman, Lubec, Me.

Radel, Andrew, Port Jefferson, N. Y.
Rappahannock Marine Railway, Co., Weems, Va.
Raritan Dry Dock Co., Perth Amboy, N. J.
Rasmussen, Harry, Essington, Pa.
Read Bros., Somerset, Mass.
Reeder, Oliver & Son, Baltimore, Md.
Rees & Sons Co., James, Pittsburgh, Pa.
Reynolds, Frank W., Canajoharie, N. Y.
Riter-Conley Mfg. Co., Pittsburg.
Robins Dry Dock & Repair Co., 15 Whitehall st., New York.
Rodermond, H. J., Tomkins Cove, N. Y.
Rossiter & Co., Charles S., foot of Montgomery St., Baltimore, Md.
Ryan, John, Whitehall, N. Y.

St. Tammany Ship Yard, New Orleans, La.
Sacramento Transp. Co., Sacramento, Cal.
*Sage, S. A., Marked Tree, Ark.
Saunders Bros., Saunderstown, R. I.
Schuyler & Caddell, Foot Conover St., Brooklyn, N. Y.
Sharpley Marine Railways, Franklin City, Va.
Smith & Son, Theo., Jersey City, N. J.
Smith Co., John P., Nyack, N. Y.
Sounds, John, Vancouver, B. C.
South Jacksonville Dry Dock Co., So. Jacksonville, Fla.
*Springfield Boiler & Manufacturing Co., Springfield, Ill.
Spry & Sons, Coinjock, N. C.
Stearns, W. B., Marblehead, Mass.
Stearns & McKay, Marblehead, Mass.
Stuart Co., John, Wollaston, Mass.
Swanson, Peter, Belvidere, Cal.
Swenson, Johan, foot Warren st., Jersey City, N. J.
Taunton Yacht Works, Taunton, Mass.
Taylor, G. T., Atlantic City, Va.
Taylor, Robert, Higginsport, O.
Thames Towboat Co., New London, Conn.
Tull, E. J., Pocomoke City, Md.
*Tuthill & Thorn, Greenport, N. Y.
Twigg & Sons, John, Cor. Stockton and N. Point Sts., San Francisco.

*Union Marine Works, New Orleans, La.

Vansant, Stanley C., Atlantic City, N. J.
Vaughan & Co., Corpus Christi, Tex.
Vinyard Ship Building Co., Milford, Del.

Ward & Co., Astoria, N. Y.
Waters-Colver So., West New Brighton, N. Y.
Weaver & Son, John, Orange, Tex.
Welin Davit and Lane & DeGroot Co., 17 Battery Pl., New York.
Williams-Whittlesey Co., Long Island City, N. Y.
Williamson, James, Whitehall, N. Y.
Wood, B. F., City Island, N. Y.
Woodstall, O. W. & J. D. Bell, Millville, N. J.

Ship Builders of the Great Lakes.

It will be noted that this list is divided first as to the principal works where large steel vessels are built, and then the yards that build wooden vessels, yachts, tugs, etc., and engage largely in repair work.

Builders of Steel Vessels—The Principal Works of the Lakes.

(*Build also engines and boilers.)

*American Ship Building Co., Cleveland, O.
*American Shipbuilding Co., Lorain, O.

Buffalo Dry Dock Co., Buffalo, N. Y. (Part of American S. B. Co.)

Chicago Ship Building Co., Chicago, Ill. (Part of American S. B. Co.)
Collingwood Ship Building Co., Ltd., Collingwood, Ont.

*Detroit Ship Building Co., Detroit, Mich. (Part of American S. B. Co.)
Duluth Dry Dock Co., Duluth, Minn.

*Great Lakes Engineering Works, Detroit, Mich.

*Johnston Bros., Ferrysburg, Mich.

*Manitowoc Ship Building & Dry Dock Co., Manitowoc, Wis.
*Marine Iron Works (Station A) Chicago, Ill.
Milwaukee Dry Dock Co., Milwaukee, Wis.

*Polson Iron Works, Toronto, Ont.
*Port Huron Construction Co., Port Huron, Mich.

Ramage, Edward, 267 Wellington st., Toronto, Ont.

Ship Owners Dry Dock Co., Chicago.
Superior Ship Building Co., Superior, Wis. (Part of American S. B. Co.)

*Toledo Ship Building Co., Toledo, O.

*Western Dry Dock & Ship Building Co., Port Arthur, Ont.

Ilders of Wooden Vessels, Yachts and Small Craft Also Repair Yards.

(*Build also engines and boilers.)

Arnot, Peter, Toronto, Ont.

Bates & Co., J. B., 2424 South Halsted st., Chicago, Ill.

Calvin Co., Ltd., Garden Island, Ont.
Campbell's Yard, Charlevoix, Mich.
Carkin, Stickney & Cram, East Saginaw, Mich.

Cuthbert, A. G., Chicago, Ill.

Davidson, James, Bay City, Mich.
Davie, George T., & Sons, Levis, Que., Can.
*Davis Dry Dock Co., Kingston, Ont.
*Dean, Walter, 1751 Queen st., W., Toronto, Ont.
Devney, Jas. P., Ashtabula Harbor, O.
Dixon Bros., Fairport, O.
Drake & Wallace, St. Joseph, Mich.

Gilmore's Sons, A., Toledo, O.
Goble, J. H. & T. C., Oswego, N. Y.
Godfrey, M. I., Wabasha, Minn.
Grand Haven Shipbuilding Co., Grand Haven, Mich.
Green Bay Vessel Co., Green Bay, Wis.

Hepburn, A. W., Picton, Ont.
Hill, Wallace W., Fish Creek, Wis.
Hingston, Wm. & Son., Buffalo, N. Y.
Holland Launch & Engine Co., Holland, Mich.

Kenyon, A. P., Marine City, Mich.
Kingston Dry Dock Co., Kingston, Ont.
Kingston Shipbuilding Co., Ltd., Kingston, Ont.

*La Compagnie Pontbriand, Lim., Sorel, Que.
Laird & Sons, J. G., Ashtabula, O.
Louise Basin Dock, Quebec, Can.

Manistee Iron Works Co., Manistee, Mich.
Marlton, Wm., P. O. Box 243, Goderich, Ont.
Mechanics Dry Dock, Grand Haven, Mich.
Medlar & Arnot, Toronto, Ont.
Montreal Transportation Co., Kingston, Ont.
Muir Bros., Port Dalhousie, Ont.

Navagh, F. W., Foot Main St., Buffalo, N. Y.

Oades, Walter H., Detroit, Mich.
Owen Sound Dry Dock Co., Owen Sound, Ont.

Pouliot Boat & Power Co., Sandusky, O.
*Racine-Truscott-Shell Lake Boat Co., Muskegon, Mich.
Reid Wrecking Co., Port Huron, Mich.
*Richelieu & Ontario Navigation Co., Sorel, Que.
Rieboldt, Wolter & Co., Sturgeon Bay, Wis.
Rogers & Bird, Saugatuck, Mich.
Ross & Co., Quebec, Que.
Ryan, Geo. D., Oshkosh, Wis.

Smith & Co., Abram, Algonac, Mich.

Thorsen & Co., R., Manistee, Mich.
Thrall, Capt. P. F., Green Bay, Wis.
Toledo Marine Railway, Jas. Scanes, Prop, Toledo,O.

Wheeler, S. C., Sandusky, O.
White, W. C., Montreal, Can.
*Willard, Charles P. & Co., Chicago, Ill.
Wolverine Dry Dock Co., Port Huron, Mich.
Wyandotte Pleasure Yacht Works, Wyandotte, Mich.

Engine and Boiler Builders of Seaboard and Western Rivers.

Note.—It will be found that many of the ship builders on preceding pages are also builders of engines and boilers. In this list the letter (E) indicates builders of engines and (B) builders of boilers; concerns not marked by either of these letters build both engines and boilers.

Albion Iron Works Co., Ltd., Vancouver, B. C.
Almy Water Tube Boiler Co. (B), 184 Allen ave., Providence, R. I.
Astoria Iron Works, Astoria, Ore.
Atlantic Basin Iron Works, Imlay and Summit sts., Brooklyn, N. Y.
Atlantic Iron Works, W. A. Anderson, Norfolk, Va.

Babbitt, Charles E., Portland, Me.
Babcock & Wilcox Co. (B), 85 Liberty st., New York and Barberton, O.
Ballard Boiler Works (B), Paul Hopkins & Son, props., Ballard, Wash.
Ballin Watertube Boiler Co. (B), Portland, Ore.
Bancroft, Ross & Sinclair, Tulane Ave., New Orleans, La.
Barnes Co., Charles, Cincinnati, O.
Blumer & Son, A., Moss Point, Miss.
Boston Engrg. Co. (B), India Wharf, Boston.
Box & Co., Alfred (E), Philadelphia.
Brady, Wm. (B), 113 Mission st., San Francisco.
Brisienick & Son, Brunswick, Ga.
British Columbia Foundry & Engineering Works, Victoria, B. C.
British Columbia Marine Railways Co., Ltd. (B), Vancouver, B. C.
Bruce, Stewart & Co., Charlottetown, P. E. I.

Canadian Machinery Co., Ltd., Levis, Que.
Casey-Hedges Co., Chattanooga, Tenn.
Cattell Bros. & Co., Baltimore, Md.
Charleston Iron Works, Charleston, S. C.
Chenery & Co., Henry L., 468-470 Fore st., Portland, Me.
Clifton Motor Works (E), 218 E. Clifton ave., Cincinnati.
Codd & Co., E. J., 700-708 S. Caroline st., Baltimore, Md.
Columbia Engineering Works, Imlay and Pioneer sts., Brooklyn.

Commercial Boiler Works (B), West Lander St., Seattle, Wash.
Connell Iron Works Co., J. D., 1207-1213 South Peter st., New Orleans, La.
Continental Iron Works, Greenpoint, L. I., N. Y.
Cornell Steamboat Co., (E), Rondout, N. Y.

Davis-Forest Machine Co., Savannah, Ga.
Deacon, Wm. (E), 133 Main st., San Francisco.
Delaware Machine Works (E), Wilmington, Del.
Dundon's San Francisco Iron Works (B), 225 Folsom st., San Francisco.
Duval & Co., Geo. W. (B), Norfolk Iron Works, Norfolk, Va.

Eatle & O'Brien, (B), Portland, Me.
Elizabeth Iron Works (B), C. W. Pettitt, Norfolk, Va.
Eureka Boiler Works, Mission & Main sts., San Francisco.
Evans, N. (B), Dartmouth, N. S.

Fleming, Jas. (E & B), Pond st., St. John, N. B.
Fletcher Co., W. & A., Hoboken, N. J.
Forbes & Co., W. D. (E), Hoboken, N. J.
Fulton Engineering & Shipbuilding Works, San Francisco, Cal.

Gas Engine & Power Co. and Chas. L. Seabury & Co., Cons., Morris Heights, N. Y.
Gillett & Eaton, Lake City, Minn.
Godwin, J. W., Virginia Iron Works, Norfolk, Va.
Golden State & Miners Iron Works (E), 231 1st st., San Francisco.
Gray, Andrew, Marine Iron Works, Victoria, B. C.

Greenfield Steam Engine Wks., 5th and Cross sts., East Newark, N. J.
Greenfield, W. G. G., Harrison, N. J.
Griscom-Spencer Co., 90 West st., New York.

Hall & Hurlbert, foot 24th st., S. Brooklyn, N. Y.
Hall Bros. (E), Bourse bldg., Philadelphia.
Heffernan Engine Works, 108 Railroad ave., Seattle.
Hendy Mach. Works, Joshua (E), 39 Fremont st., San Francisco.
Hodge Boiler Works, The, East Boston, Mass.
Hogan & Co., T., (B), Halifax, N. S.
Howell & Co., W. W. (E), Halifax, N. S.
Hughes & Phillips (E), Newark, N. J.
Hutton, A. F., Railroad ave. and Flyer dock, Seattle, Wash.

Iowa Iron Works, Dubuque, Ia.
Iowa Machine Works, Clinton, Ia.

Jackson, Byron, San Francisco.
Jardine Iron Works, 307 Folsom st., San Francisco.
Johnson & Cherutti, New Orleans, La.
Johnson Iron Works, Ltd., New Orleans, La.

Kehoe's Iron Works, Savannah, Ga.
Kemp, John F. (E), Quincy, Mass.
Keystone Boiler Works (B), cor. Main and Folsom sts., San Francisco.

Langford Bros. (B), Eureka, Cal.
Lockwood Mfg. Co., (E), 85 Sumner st., East Boston, Mass.
Long Island Mach. & Marine Constr. Co., Long Island City, N. Y.

MacDonald & Co., Ltd. (E), Halifax, N. S.
McDonough & Ballentine, Savannah, Ga.
McLachlan & Sons, D. (B), St. John, N. B.
McNeil Bros. (B), Imlay st., Brooklyn.
Main St. Iron Works, 163-173 Main st., San Francisco.
Marine Mfg. and Supply Co., Inc. (E), 35 Water st., Pittsburg, Pa.
Marine Railway, Machine & Boiler Works, Baltimore, Md.
Mianus Motor Works, Mianus, Conn.
Midvale Steel Co. (E), Philadelphia, Pa.
Miller & Bro., Alex., foot of Morris st., Jersey City, N.J.
Mingledorf & Co., Savannah, Ga.
Moir, W. & A. (E), Halifax, N. S.
Morgan Iron Works, Algiers, La.
Morgan Iron Works, foot East Ninth st., New York.
Moore & Scott Iron Works, San Francisco, Cal.
Morris Machine Works (E), Baldwinsville, N. Y.
Morse Iron Works, Brooklyn, N. Y.
Mosher, Charles D., 1 Broadway, New York City (B).
Moynihan, J. T. (B), 401 Folsom st., San Francisco.
Newburgh Steam Boiler Works, P. Delany & Co., Newburgh, N. Y.

New Burrell-Johnson Iron Co., Ltd., The, Yarmouth, N. S.
New England Marine Engine Co. (E), Noank, Conn.
Nova Scotia Steel & Forge Co., Ltd. (E), New Glasgow, N. S.
Northwestern Iron Works (E), Seattle, Wash.
Noyes Machine Co. (E), Portland, Me.

Oakland Iron Works, Oakland, Cal.
Ofeldt & Sons, F. W., Nyack, N. Y.
Oregon Boiler Works, 915 First ave., S., Seattle, Wash.

Pacific Coast Boiler Works (B), 235 Main st., San Francisco.
Parker-Hensel Engineering Co. (B), Brunswick, Ga.
Penna. Iron Works Co. (E), 50th st and Lancaster ave., Philadelphia.
Pettit, C. W, Elizabeth Iron Works (B), Norfolk, Va.
Philp's Sons, Andrew, 29 West st., New York.
Phoenix Foundry & Locomotive Wks., St. John, N. B
Phoenix Iron Works, Portland, Ore.
Pictou Iron Fdy. & Mfg. Co., Ltd., Pictou, N. S.
Pioneer Iron Works, South Brooklyn, N. Y.
Portland Boiler Works (B), Portland, Oregon.
Portland Co., The, Portland, Me.
Portland Iron Works, Portland, Ore.
Puget Sound Boiler Works (B), A st., Tacoma, Wash.
Puget Sound Iron & Steel Works, Tacoma, Wash.
Puget Sound Marine Works (E), Tacoma, Wash.
Puget Sound & Queen City Boiler Works (B), King St. Dock, Seattle.

Quintard Iron Works Co., 742 E. 12th st., New York City.

Reeves Engine Co. (E), Trenton, N. J.
Reeves Engine & Machine Co. (E), 85 Liberty st., New York.
Reid, Alex (B), 165 Charles st., New York, N. Y.
Richardson & Goddard (B), Mobile, Ala.
Riley Foundry & Machine Works, John F., Charleston, S. C.
Risdon Iron & Locomotive Works, San Francisco, Cal.
Robb Engineering Co., Ltd., Amherst, N. S.
Roberts Safety Water Tube Boiler Co. (B), Red Bank, N. J.
Ross Iron Works Co., Ltd., Howard, Vancouver, B. C.
Rourke & Son, John, Savannah, Ga.

St. John Iron Works, Ltd., St. John, N. B.
Schantz & Eckert, E., Front st., Perth Amboy, N. J.
Schoellhorn-Albrecht Machine Co., 416 N. Main st., St. Louis.
Schwartz Foundry Co., Ltd., New Orleans, La.
Seattle Machine Works (E), Seattle, Wash.
Skim & Arnold Co., Albany, N. Y.
Smith & Watson Iron Works, Portland, Ore.
Southern Boiler Works (B), Mobile, Ala.
Southern Marine Works, Patterson st., Algiers, La.
Stakelum & Stokes (B), St. Peters and Calliope sts., New Orleans, La.
Star Boiler Works, Clinton, Iowa.
Stern Foundry & Machinery Co., New Orleans, La.
Sullivan, John W. (E), 385 South st., New York.
Swain, D. M., Stillwater, Minn.

Thropp's Sons Co., J. E., Trenton, N. J.
Townsend & Moore, Pier 2, Erie Basin, Brooklyn.

Union Gas Engine Co. (E), 23d ave., Oakland, Cal.
Union Iron & Machine Works, Carleton, N. B.
United Engineering Works, Alameda, Cal.
Upper Ottawa Improvement Co., Temiscamungue, Que.

Valk & Murdock, 120-124 Hasell st., Charleston, S. C.
Vancouver Engineering Works Co., Ltd., Vancouver, B. C.
Verdon Co., Frederick A., West New Brighton, N. Y.
Virginia Iron Works, J. W. Godwin, Norfolk, Va.

Walsh & Weidner Boiler Co. (B), Chattanooga, Tenn.
Washington Iron Works, Seattle, Wash.
Webber Bros. (B), Dartmouth, N. S.
Whitney Iron Works, Co., New Orleans, La.
Willamette Boiler Works (B), Front and Everett sts., Portland, Ore.
Wood Iron Works Co., John (E), Portland, Ore.
Wright Machine Works, L. (E), Newark, N. J.

Engine and Boiler Builders of the Great Lakes.

Note.—It will be found that many of the ship builders in the list just preceding this one are also builders of engines and boilers. In this list the letter E. indicates builders of engines and B. builders of boilers; concerns not marked by either of these letters build both engines and boilers.

American Boiler Works, Buxbaum & Miller, proprietors (B.), 287 Virginia St., Milwaukee, Wis.
American Engine & Boiler Works, John Mahar, proprietor, Tonawanda, N. Y.

Barnes, J. A., Star Foundry & Machine Works, Oshkosh, Wis.
Bay City Boiler Co. (B), Bay City, Mich.
Bay City Iron Co. (E), Bay City, Mich.
Beake, H. G., Cheboygan, Mich.
Blake, H. A. (E.), Cheboygan, Mich.
Bloecker & Co., Henry, Grand Haven, Mich.
Bruce-Macbeth Engine Co., Cleveland, Ohio
Buffalo Forge Co. (E.), Buffalo, N. Y.
Burt, James (B.), Houghton, Mich.

Chicago Steam Boiler Works, Chicago.
City Steam Boiler Works, 112 Dousman Ave., Escanaba, Mich.
Clyde Iron Works, Duluth, Minn.
Connelly Boiler Co., D. (B), Cleveland, O.
Corbett, Geo. E. & Co., 3-7 E. Chicago Ave., (B), Chicago.
Cream City Marine Boiler Works (B.), 183-87 Barclay St., Milwaukee, Wis.
Cuyahoga Boiler Works, Main ave., cor. Elm, N. W., Cleveland.

Dearing Water Tube Boiler Co. (B.), Detroit, Mich.
Doty Engine Works Co., Goderich, Ont., Canada.
Drolet, F. H. (B.), 75 St. Joseph St., St. Roch, Can.
Dry Dock Iron Works (E.), Port Huron, Mich.

Eagle Boiler Works (B.), (Riter & Cousins) 58-60 Mississippi St., Buffalo, N. Y.
East End Boiler Works, Detroit, Mich.
Eclipse Machine & Boiler Co., Chicago.
Elmes Engineering Works, C. F. (E.), Morgan and Fulton Sts., Chicago, Ill.
Erie Pump & Engine Co. (E.), Front St., Erie, Pa.

Farrar & Trefts, Buffalo, N. Y.
Fitzgibbons Boiler Co., P. H., Ogdensburg, N. Y.
Frontier Eng. Works (E.), ft. Illinois St., Buffalo.

Georgian Bay Ship Building & Wrecking Co., Midland, Ont.
Gillie Engine & Machine Co., Tonawanda, N. Y.
Globe Boiler Works, Toledo, Ohio.
Globe Iron Works, Water & Locust Sts.,(E.),Toledo,O.
Goderich Engine Co., Goderich, Ont.
Gogebic Steam Boiler Works (B.), 409 Lake Ave., S., Duluth, Minn.
Goodrich Transportation Co., Manitowoc, Wis.
Gunnell Machine Co. (E), Manitowoc, Wis.

Hall Engineering Works, 14 Cote st., Montreal, Can.
Hamilton Co., Wm., Peterborough, Ont.
Hibben & Co., (B.), 9376 Ewing Ave., Chicago, Ill.
Howard Bros. Boiler Works (B.), 21 Indiana St., Buffalo.
Hub City Boiler Co., Cheboygan, Mich.
Huntley, Alfred (E.), Holland, Mich.

Inglis & Sons, John, 14 Strachan Ave., Toronto, Ont.

Jackson & Church, Saginaw, Mich.

Kennedy & Sons, W. (E), Owen Sound, Ont.
Kerr Engine Co., Ltd. (E), Walkerville, Ont.
Kingsford Fdy. & Machine Works, Oswego, N. Y.
Kingston Foundry Co., Kingston, Ont.

Lake City Engineering Co., Erie, Pa.
Lake Erie Boiler Works (B.) Buffalo, N. Y.
Lake Erie Boiler Works, Elm & Hemlock Sts., (B.), Cleveland.
Lake Erie Engineering Works (E), Buffalo, N. Y.
Lake Shore Engine Works (E.), Marquette, Mich.
Lake Sup. Steam Boiler Works (B.), Houghton, Mich.
Laurie Engine Co. (E.), Montreal, Can.

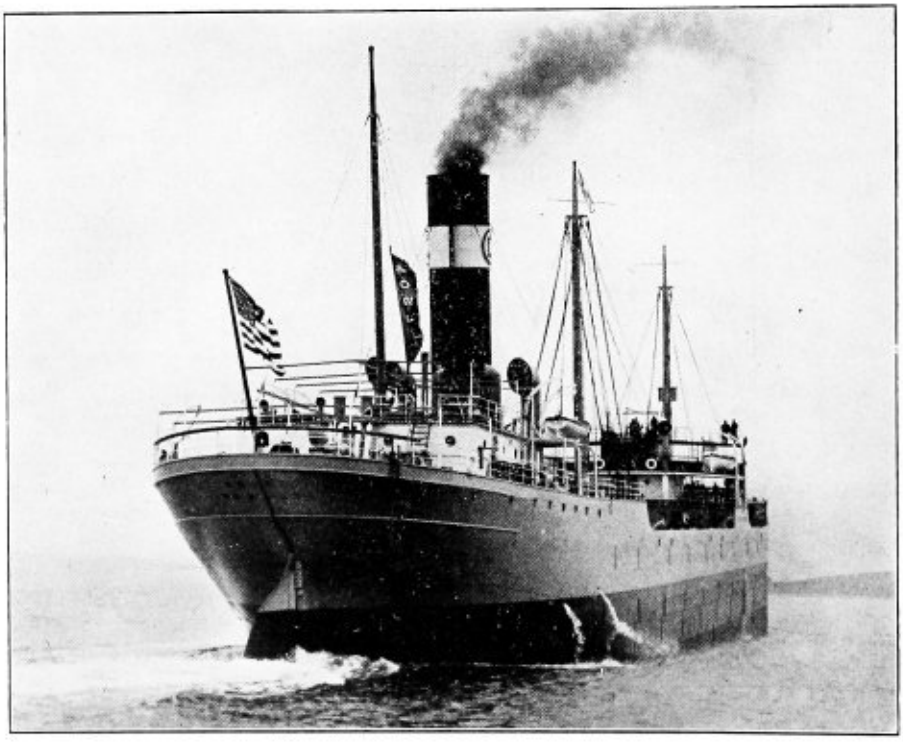
MacKinnon Mfg. Co., 218 N. Water St., Bay City.
McDougall Caledonian Iron Works Co., Ltd., The John, St. Gabriel Locks, Montreal, Quebec.
McGregor, G. L. (B.), 246 S. Clinton St., Chicago, Ill.
McGregor, Thos. (B.), Windsor, Ont.
McKay, Alex. (B.), Queen & Grant Sts., Quebec, Can.
MacKinnon Boiler & Machine Co., Bay City, Mich.
Manistee Iron Works Co., Manistee, Mich.
Manitowoc Steam Boiler Works (B.), Manitowoc, Wis.
Mapes & Co., E. B., South Haven, Mich.
Marchand, George (B), Quebec, Can.
Marine Boiler Works Co. (B.), Front and York Sts., Toledo, O.
Marine Iron Co. (E.), 2nd and Water Sts., Bay City, Mich.
Marine Iron Co., Foot of 12th Ave. West, Duluth, Minn.
Marine Iron Works, State and Front Sts., Erie, Pa.
Marine Iron Works (Station A), Chicago, Ill.
Marsh & Henthorne, Belleville, Ont.
Matton & Co., Sorel, Que.
Menominee Boiler Works, Menominee, Mich.
Mercier, Napoleon (E), Quebec, Can.
Mertes-Miller Co. (B.), 239 Lake St., Milwaukee, Wis.
Milwaukee Boiler Co. (B.), Oregon St., Milwaukee.
Mohr & Sons, John (B.), 32 Illinois St., Chicago, Ill.
Montague Iron Works, Montague, Mich.
Muskegon Boiler Works (B), 14-26 8th st., Muskegon, Mich.

Nash Bros. & Co. (B.), Ogdensburg, N. Y.
National Boiler Works (B.), Bay City, Mich.
Northwestern Machine & Boiler Works, 319 Banks Ave., West Superior, Wis.
Northwestern Steam Boiler & Mfg. Co. (B.), 366-382 Garfield Ave., Duluth, Minn.
North Wisconsin Boiler Works & Foundry, R. E. Saunders, proprietor (B.), 209 Thirteenth Ave., Ashland, Wis.

Ohio Machine & Boiler Co., 108-114 River st., Cleveland, Ohio.
The Oldman Boiler Works (B), 38 Illinois st., Buffalo.
Optenburg & Sonneman, Sheboygan, Wis.
Owen Sound Iron Works, Owen Sound, Can.

Page Boiler Co., (B), 14 Larrabee St., Chicago, Ill.
Perkins, J., Hamilton, Ont.
Pfeiffer Boiler Co., Chris., 66 Michigan St., Chicago.
Phoenix Iron Works, Port Huron, Mich.
Pioneer Boiler Works (B.), Port Huron, Mich.
Portage Lake Boiler Works (B.), Hancock, Mich.
Pratt Boiler & Machine Co., Henry (B.), 875 S. Halsted St., Chicago.

Racine Boat Mfg. Co. (E.), Muskegon, Mich.
Racine Engine & Machinery Co. (E), Racine, Wis.
Reeb & Sons, T. E., Port Colborne, Ont.
Richards Iron Works (E.), Manitowoc, Wis.
Ritter Bros., Eagle Boiler Works (B), Buffalo, N. Y.
Rosseau & Touriz, Quebec, Can.
Schindler, A. J. (B.), 441 W. Twenty-first St., Chicago.
Selby & Youlden, Kingston, Ont.
Sheriffs Mfg. Co. (E.), So. Water and Barclay Sts., Milwaukee, Wis.
St. Lawrence Marine Ry. Co., Ogdensburg, N. Y. (Repair yard.)
Strothman Iron Co., (E.), West Superior, Wis.
Superior Machine & Boiler Works (B.), Chicago.
Syracuse Boiler Works (B.), 610 E. Water St., Syracuse, N. Y.
Tarrant, Robt. (E.), 52 Illinois St., Chicago, Ill.
Taylor Water-Tube Co. (B.), 322 Franklin St., Detroit
Thomes & Co., A. (B), Quebec, Can.
Toledo Foundry & Machine Co. (E.), Cherry St., Toledo, O.
Trout, H. G. (E.), King Iron Works, Buffalo.
Twin City Boiler Works (B.), St. Joseph, Mich.
Union Iron Works (B.), Erie, Pa.
Vallance, H., W. C. White Boiler Works (B), Montreal, Can.
Waterous Engine Works (E), Brantford, Ont., and Hamilton, Ont.
Weir, J. & R. (B.), 25-33 Nazareth St., Montreal, Can.
Whitman Mfg. Co., C. (E.), 178 Ohio St., Buffalo.
Willard, Chas. P., & Co. (E), Winthrop Harbor, Ill.



MOLASSES STEAMER NELSON

Dry Docks and Marine Railways of Seaboard and Rivers

FOR DRY DOCKS OF THE GREAT LAKES SEE PAGE 151

LOCATION.	NAME.	Feet					
		Extreme Length	Length on Blocks	Width at Top	Width at Gate	Depth Over Sill	Capacity
Alameda, Cal	Pacific Shipyards & Ways Co	180	160	40	...	16	700
Alexandria, Va.	Marine Ry. & Coal Co	...	230	...	...	7	750
Alexandria, Va.	Marine Ry. & Coal Co	...	145	...	...	...	750
Algiers, La.	Wood's Dry Dock, P. M. Schneidan, agent, (sectional dock—can be spread to 113 ft. over blocks)	85	75	40	31	8	200
Algiers, La.	New Orleans D. D. & S. B. Co	...	...	...	...	..	5,000
Astoria, N. Y.	Ward & Co., three marine railways	...	175	...	...	8	600
Athens, N. Y.	W. D. Ford, marine railways and shipyard	200	...	Unlimited	...	13	....
Atlantic City, Va,	G. T. Taylor	...	200	...	...	..	200
Bagdad, Fla.	Bruce, Geo., sectional dry dock	175	165	40	45	13	500
Ballard, Wash.	Seattle Shipyards Co., marine railway	250	250	50	46	18	2,500
Baltimore, Md.	Booz Bros., foot Montgomery St., electric railway dry dock	265	265	65	...	17 Aft.	2,000
Baltimore, Md.	Chas. L. Rohde & Sons Co	...	141	48	...	11	450
Baltimore, Md.	Chesapeake Marine Railway Co	180	180	32	...	6½ Fd. 14 Aft. 7 Fd.	700
Baltimore, Md.	J. S. Beacham & Bro., marine railway	234	234	...	...	20 Aft. 4 Fd.	800
Baltimore, Md.	J. S. Beacham & Bro., marine railway	140	140	...	...	13 Aft. 5 Fd.	100
Baltimore, Md.	Marine Railway, Machine & Boiler Works	117	...	25	...	14 Aft.	150
Baltimore, Md.	McCosker & Co., foot Chesapeake St., floating dock	141	141	48	...	12	500
Baltimore, Md.	Nilson Yacht Bldg. Co., marine railway	...	80	...	...	10	200
Baltimore, Md.	Oliver Reeder & Son, dry dock	170	...	32	...	14½	400
Baltimore, Md.	Oliver Reeder & Son	100	...	20	...	...	75
Baltimore, Md.	Skinner Shipbuilding & D. D. Co., dry dock	628	600	80	60	22½	12,000
Baltimore, Md.	Skinner Shipbuilding & D. D. Co., railway	626	300	...	...	10 Fd. 17 Aft. 7 Fd.	1,500
Baltimore, Md.	Skinner Shipbuilding & D. D. Co., railway	541	200	...	...	12 Aft.	800
Baltimore, Md.	Skinner Shipbuilding & D. D. Co., dry dock	504	427	80	45	23 6 Fd.	8,000
Baltimore, Md.	Spedden Ship Building Co	200	200	...	...	18 Aft.	1,200
Baltimore, Md.	Wm. E. Woodall & Co., floating dock	230	200	65	...	12 8 Fd.	1,500
Bangor, Me.	Bowler & Hawlins, marine railway	...	165	...	38	14 Aft.	1,000
Bangor, Me.	Marine Railway & Lumber Co	175	...	...	...	9 Fd.	1,000
Bangor, Me.	Marine Railway & Lumber Co	...	100	...	...	8	300
Bath, Me.	New England Company, marine railway	200	200	43	...	10	1,200
Bay Shore, N. Y.	Thomas F. Munsey	...	...	...	...	..	....
Belfast, Me.	George A. Gilchrist	...	160	...	...	10	700
Belfast, Me.	Merchants Marine Railway Co	155	155	60	50	10 Fd. 16 Aft.	900
Berkley, Va.	Colonna Marine Railway Corp	...	225	...	...	6 Fd.	400
Berkley, Va.	Colonna Marine Railway Corp	...	325	...	...	8 Fd.	1,500
Berkley, Va.	Colonna Marine Railway Corp	...	225	...	...	6	500
Berkley, Va.	William Thomas & Co., marine railway	120	115	38	...	10 Fd. 18 Aft.	1,000
Berwick, La.	Berwick Ship Yard Co., marine railway	...	50	...	...	6	150
Berwick, La.	Berwick Ship Yard Co., marine railway	...	100	...	...	6	150
Berwick, La.	Berwick Ship Yard Co., marine railway	...	150	...	...	6	150
Bethel, Del.	Bethel Marine Ry. (Geo. K. Phillips & Co.)	130	...	...	...	7	350
Boothbay Harbor, Me.	C. Y. Matthews, marine railway	...	...	...	...	14	300
Boothbay Harbor, Me.	J. H. Blair, marine railway	...	...	...	...	..	200
Boston, Mass.	Green, Richard T.	260	260	60	60	17	2,500
Boston, Mass.	Green, Richard T., 211 Marginal St., marine railway	185	185	44	40	16	1,000
Boston, Mass.	Green, Richard T., 211 Marginal St., dry dock	100	100	32	32	19	275
Boston, Mass.	Lockwood Mfg. Co	...	167	...	35	16	600
Boston, Mass.	See East Boston						
Brewer, Me.	Hamlin Railway Co	...	175	...	...	9	....
Brewer, Me.	Hamlin Railway Co	...	150	...	...	9	....
Bridgeport, Conn.	Bridgeport Shipyard, Dept. of Lake Torpedo Boat Co., marine railway	...	150	...	...	18	1,000
Bridgeport, Conn.	Bridgeport Shipyard, Dept. of Lake Torpedo Boat Co.	...	50	...	...	7	50
Bridgeport, Conn.	Bridgeport Marine Railway Co	120	...	...	...	8	200
Bristol, R. I.	Herreshoff Bros., marine railway	...	150	...	...	..	250
Bristol, R. I.	Herreshoff Bros., marine railway	...	100	...	...	..	100
Bristol, R. I.	Herreshoff Bros., marine railway	...	150	...	...	..	125
Brooklyn, N. Y.	Downing & Lawrence Dry Dock Co., marine railway	230	230	...	...	14	1,000
Brooklyn, N. Y.	Downing & Lawrence Dry Dock Co., marine railway	230	230	...	...	14	700
Brooklyn, N. Y.	Hunters' Point Dry Dock Co., one balance dock	...	...	...	...	..	....
Brooklyn, N. Y.	Robbins Dry Dock & Repair Co., floating dry dock	560	...	...	...	28	21,000
Brooklyn, N. Y.	Robins Dry Dock & Repair Co., section dock No. 1	375	...	...	...	20	6,000
Brooklyn, N. Y.	Robins Dry Dock & Repair Co., steel pontoon dock	400	...	...	...	..	6,000
Brooklyn, N. Y.	Robins Dry Dock & Repair Co., graving dock No. 1	510	...	...	...	20	.....
Brooklyn, N. Y.	Robins Dry Dock & Repair Co., graving dock No. 2	620	...	...	...	25	.....

LOCATION.	NAME.	Feet					
		Extreme Length	Length on Blocks	Width at Top	Width at Gate	Depth Over Sill	Capacity
Brooklyn, N. Y.	Ira S. Bushey	170	170	55	55	15	1,000
Brooklyn, N. Y.	Morse Dry Dock & Repair Co., floating dock	515	475	120	93	27	15,000
Brooklyn, N. Y.	Morse Dry Dock & Repair Co., marine railway	175	150	...	...	13	400
Brooklyn, N. Y.	Morse Dry Dock & Repair Co., marine railway	120	100	...	...	12	100
Brooklyn, N. Y.	Pelly Dry Dock Co	308	305	68	66	23	3,500
Brooklyn, N. Y.	Pelly Dry Dock Co., foot 25th and 26th Sts	160	120	48	46	17½	1,000
Brooklyn, N. Y.	Schuyler & Caddell	...	130	...	...	12	....
Brooklyn, N. Y.	Schuyler & Caddell, marine railway	287	250	...	...	16	1,500
Brooklyn, N. Y.	Schuyler & Caddell, marine railway	180	150	...	...	12	500
Brooklyn, N. Y.	Tebo Yacht Basin Co., foot 23rd St	123	123	64	52	13	600
Brooklyn, N. Y.	Tebo Yacht Basin Co., foot 23rd St	190	190	80	64	20	1,600
Brooklyn, N. Y.	Theo. A. Crane's Sons Co., dry dock No. 1	232	232	66	...	...	1,200
Brooklyn, N. Y.	Theo. A. Crane's Sons Co., dry dock No. 2	358	358	74	...	...	5,000
Brooklyn, N. Y.	Theo. A. Crane's Sons Co., dry dock No. 3	184	184	48	...	..	1,000
Brooklyn, N. Y.	West End Dry Dock Co., foot 27th St. (four sections)	127	127	127	54	11	400
Brooklyn, N. Y.	Wm. J. Gokey & Co., floating dock	188	...	58	...	14	1,000
Brooklyn, N. Y.	Wm. J. Gokey & Co., floating dock	180	...	55	...	18	800
Brooklyn, N. Y.	Wm. J. Gokey & Co., floating dock	265	...	68	...	20	3,000
Brunswick, Ga.	Brisienick & Son, marine railway	...	...	...	...	..	300
Brunswick, Ga.	Parker-Hensel Eng. Co., marine railway	160	150	50	50	9 Fd. 14 Aft	700
Calais, Me.	Calais Dry Dock Co., T. L. Greenlaw, agt	160	140	75	32	16	450
Cambridge, Md.	Cambridge Mfg. Co., Inc., marine railway	...	105	24	...	10	200
Camden, Me.	Camden Yacht Bldg. & Railway Co., I. M. Cottrell, Supt.	199	199	...	...	15	1,000
Camden, Me.	Camden Yacht Bldg. & Railway Co., I. M. Cottrell, Supt.	106	106	...	...	10	400
Camden, N. J.	Camden Ship Repair Co., marine railway	...	...	...	...	12	2,000
Camden, N. J.	Camden Shipbuilding Co	300	250	...	...	..	1,800
Camden, N. J.	John H. Mathis & Co., Coopers' Point, railway	205	180	...	...	10	1,200
Camden, N. J.	John H. Mathis & Co., Coopers' Point, railway	180	150	...	...	8	800
Camden, N. J.	John H. Mathis & Co., one smaller marine railway	...	...	...	...	..	....
Camden, N. J.	Quigley & Dorp, marine railway	...	215	...	58	9 Fd. 15 Aft.	1,400
Camden, N. J.	Noecker & Ake, balance dock	...	215	...	58	15	2,000
Camden, N. J.	Rilatt & Barrett Dry Dock Co	232	232	80	68	14	400
Charleston, S. C.	Samuel J. Pregnall, marine railway	174	174	47	56	10	1,000
Charleston, S. C.	Riverside Iron Works, marine railway	175	175	...	...	...	....
Charleston, W. Va.	Charles Ward Engineering Works	...	175	...	...	10½ Fd. 15 Aft.	800
Chelsea, Mass.	Richard T. Green Co., marine railway	200	200	50	50	..	.....
Chelsea, Mass.	Richard T. Green Co., marine railway	...	...	...	...	..	2,500
Chelsea, Mass.	Richard T. Green Co., marine railway	...	...	...	...	..	700
Chelsea, Mass.	Richard T. Green, marine railway	...	...	...	...	..	300
Cincinnati, O.	Charles Barnes & Co., marine railway	...	...	...	...	..	1,500
City Island, N. Y.	Robert Jacob	175	160	...	...	20	500
City Island, N. Y.	Robert Jacob	125	---	45	...	21	1,000
City Island, N. Y.	Robert Jacob	75	...	...	...	12	....
City Island, N. Y.	Henry Piepgrass, marine railway	...	...	...	...	10	....
Crisfield, Md.	Crisfield Marine Ry., C. A. Dana, Prop	225	100	...	...	..	....
East Boston, Mass.	Atlantic Works, marine railway, No. 1	720	200	...	60	15	150
East Boston, Mass.	Atlantic Works, marine railway, No. 2	700	250	...	70	12 Fd. 14 Aft.	1,000
East Boston, Mass.	Atlantic Works, marine railway No. 3	500	135	...	31	12 Fd. 15 Aft.	2,000
East Boston, Mass.	Lockwood Mfg. Co., marine railway	...	167	...	35	12 Fd. 16 Aft.	500
East Boston, Mass.	Simpson Dry Dock Co	465	...	68	...	16	600
East Boston, Mass.	Simpson Dry Dock Co	250	...	45	...	19	....
East Boston, Mass.	Simpson Dry Dock Co	165	...	32	...	19	....
East Greenwich, R. I.	Frederic S. Nock, marine railway	...	90	...	...	15	....
East Portland, Ore.	East Portland Shipbuilding Co., marine railway	...	200	...	...	16	175
Eastport, Md.	Chesapeake Marine Railway, Wm. Heller, Prop.	250	104	...	...	12	....
Eastport, Md.	Chesapeake Marine Railway, Wm. Heller, Prop.	180	60	...	...	10 Aft. 6 Aft.	100 20
Elizabeth City, N. C.	E. S. Willey, marine railway	...	205	...	...	5 Fd. 10 Aft.	1,000
Elizabeth, Pa.	M. R. C. C. & C. Co., E. M. Ways Dept	300	250	...	...	..	1,100
Elizabeth, Pa.	S. O. Rhodes	185	175	35	35	5	....
Elizabethport, N. J.	N. J. D. D. & Trans. Co., dry dock	169	125	50	45	10	1,000
Elizabethport, N. J.	N. J. D. D. & Trans. Co., railway	300	250	80	75	15	2,000
Ellsworth, Me.	Ellsworth Marine Railway Co	100	...	33	...	7	200
Esquimalt, B. C.	British Columbia Marine Ry. Co	280	280	55	55	18	3,000
Esquimalt, B. C.	British Columbia Marine Ry. Co., floating dock	...	250	...	...	..	3,500
Essington, Pa.	Harry Rasmussen, marine railway	...	120	...	...	6 14	100
Essington, Pa.	Harry Rasmussen, marine railway	...	...	...	...	..	10
Essington, Pa.	Harry Rasmussen, marine railway	...	...	...	...	..	5
Fairhaven, Mass.	City Marine Railway, Office; Abram Chase & Co., 12 Merrills' Wharf, New Bedford, Mass.	Track 550	165	40	...	11	900
Fairhaven, Mass.	Granite Wharf Marine Railway, Henry B. Gifford, Pres.	350	120	35	35	10 Fd. 13 Aft.	500

LOCATION.	NAME.	Feet					
		Extreme Length	Length on Blocks	Width at Top	Width at Gate	Depth Over Sill	Capacity
Fairhaven, Mass.	Henry B. Gifford, marine railway	150	30	17	17	7	20
Fairport, Va.	N. H. Timbs, graving dock	200	...	...	...	14	75
Fairport, Va.	N. H. Timbs, marine railway	...	126	...	...	..	600
Fall River, Mass.	Read Bros., marine railway	...	175	...	...	14	1,000
Galveston, Tex.	Galveston Wharf Co.'s marine railway, 16th St.	100	...	...	...	6½	700
Gig Harbor, Wash.	Capt. Matthew McDowell	...	...	...	...	..	200
Gildersleeve, Conn.	S. Gildersleeve & Sons	400	110	40	...	6	500
Gloucester, Mass.	Burnham Bros., two marine railways, each	...	...	...	...	18	200
Gloucester, Mass.	Chas. Parkhurst & Son, marine railway	...	115	...	...	17	250
Gloucester, Mass.	Rocky Neck Marine Railway Co., two marine railways each	120	110	...	30	18	250
Grassy Point, N. Y.	Bannon & Southerland	105	100	36	...	..	225
Greenport, N. Y.	Greenport Basin & Construction Co	200	200	39	...	23	1,200
Greenport, N. Y.	Greenport Basin & Construction Co	165	165	37	...	19	900
Greenport, N. Y.	Greenport Basin & Construction Co	125	125	30	...	12	350
Greenport, N. Y.	Greenport Basin & Construction Co	25	25	10	...	46	20
Greenport, N. Y.	Tuthill & Thorn, marine railway	475	180	32	...	13	500
Greenport, N. Y.	Tuthill & Thorn, marine railway	300	90	28	...	12	150
Greenport, N. Y.	Tuthill & Thorn, marine railway	100	40	20	...	10	50
Greenwich Piers, N. J.	Greenwich Piers Marine Railway Co	...	130	...	...	{ 8 Fd. { 11 Aft.	800
Greenwich Piers, N. J.	Greenwich Piers Marine Railway Co	...	84	...	...	8	100
Halifax, N. S.	Halifax Graving Dock Co	600	570	102	85	30	....
Halifax, N. S.	Halifax Graving Dock Co., Ltd., patent slip No. 1	...	270	...	...	16	3,000
Halifax, N. S.	Halifax Graving Dock Co., Ltd., patent slip No. 2	...	200	...	...	11½	900
Halifax, N. S.	Halifax Graving Dock Co., Ltd., patent slip No. 3	...	180	...	...	11½	150
Halifax, N. S.	Halifax Graving Dock Co., Ltd., patent slip No. 4	...	180	...	...	11½	150
Hampton, Va.	Warren Hall	265	160	...	...	10	100
Hoboken, N. J.	Tietjen & Lang D. D. Co., Dock No. 1	140	...	55	...	13	800
Hoboken, N. J.	Tietjen & Lang D. D. Co., Dock No. 2	236	...	81	...	18	2,000
Hoboken, N. J.	Tietjen & Lang D. D. Co., Dock No. 3	170	...	60	...	13	1,000
Hoboken, N. J.	Tietjen & Lang D. D. Co., Dock No. 4	184	...	60	...	13	1,200
Hoboken, N. J.	Tietjen & Lang D. D. Co., Dock No. 5	229	...	80	...	16	1,800
Hoboken, N. J.	Tietjen & Lang D. D. Co., Dock No. 6	525	...	110	...	22	10,000
Hoboken, N. J.	Tietjen & Lang D. D. Co., Dock No. 7	190	...	70	...	..	1,200
Hoboken, N. J.	Tietjen & Lang D. D. Co., Dock No. 8	190	...	65	...	..	1,000
Hoboken, N. J.	Tietjen & Lang D. D. Co., Dock No. 9	310	...	110	...	22	5,000
Honolulu, Hawaii	Honolulu Marine Railway	...	...	...	...	{ 15 Fd. { 24 Aft.	1,500
Hunters Pt., L. I., N. Y.	McWilliams Bros. Office: No. 1 Broadway, New York	140	140	42	40	12	400
Hunters Pt., L. I., N. Y.	McWilliams Bros. Office: No. 1 Broadway, New York	120	100	36	34	9	350
Jacksonville, Fla.	Merrill-Stevens Co., marine railway	210	200	45	...	9	1,200
Jacksonville, Fla.	Merrill-Stevens Co., marine railway	...	130	40	...	12	500
Jacksonville, Fla.	Merrill-Stevens Co., floating dock	330	330	75	65	20	4,500
Jacksonville, Fla.	Merrill-Stevens Co., lifting dock	45	40	...	12	5	15
Jacksonville, Fla.	Merrill-Stevens Co., lifting dock	60	50	...	17	5	30
Jacksonville, Fla.	South Jacksonville Dry Dock Co., floating dock	125	100	...	...	9	500
Jersey City, N. J.	Alex Miller & Bro	184	143	63	59	19	2,000
Jersey City, N. J.	Alex Miller & Bro	138	126	58	53	16	1,000
Jersey City, N. J.	Brown Dry Dock Co., two docks, each	...	...	...	...	..	1,200
Jersey City, N. J.	Burt & Mitchell Co	175½	175½	78	66	15	1,600
Jersey City, N. J.	Burt & Mitchell Co	171	171	74	55	18	1,200
Jersey City, N. J.	Geo. W. Rickard & Son, balance dock	120	...	...	...	11	300
Jersey City, N. J.	Johan Swenson, floating dock	...	...	...	...	..	....
Jersey City, N. J.	Swenson, Johan, marine railway	...	...	...	...	..	....
Key West, Fla.	Wm. Currys' Sons Co., marine railway	...	...	...	...	..	900
Key West, Fla.	Wm. Currys' Sons Co., marine railway	...	...	...	...	..	300
Liverpool, N. S.	Liverpool Marine Ry. Co., Ltd	110	110	38	...	6	500
Long Island City, N. Y.	P. & T. Ward, two marine railways	200	200	42	42	12	2,000
Madison, Ind.	Madison Marine Railways	...	325	...	...	..	....
Madison, Md.	Jos. W. Brooks & Sons	...	...	...	...	..	....
Manchester, Mass.	David Fenton, marine railway	...	...	...	...	..	75
Marblehead, Mass.	Frazier's Yacht Yard, marine railway	...	...	...	...	..	150
Marblehead, Mass.	W. Starling Burgess Co., Ltd., marine railway	...	...	...	...	..	100
Marblehead, Mass.	Stearns & McKay, marine railway	...	...	...	...	..	250
Marked Tree, Ark.	D. Smith, graving dock	...	100	...	...	..	....
Mariners Harbor, S. I., N. Y.	Brewer Dock Co., floating dock	212	212	73	62	15	1,500
Mariners Harbor, S. I., N. Y.	Burlee Dry Dock Co	223	223	69	60	26	2,500
Mariners Harbor, S. I., N. Y.	Marine Construction Co., marine railway	...	90	28	...	7	50
Mariners Harbor, S. I., N. Y.	Marine Construction Co., marine railway	162	150	35	...	14	400
Mariners Harbor, S. I., N. Y.	Shooter Island Shipbuilding Co	325	320	80	74	18	4,000
Mariners Harbor, S. I., N. Y.	Staten Island Shipbuilding Co., balance dock	...	...	...	...	..	....
Mobile, Ala.	Gulf Dry Dock Co., marine railway	...	230	...	...	13	1,300
Mobile, Ala.	Gulf Dry Dock Co., marine railway	...	100	...	...	7	300
Mobile, Ala.	Ollinger & Bruce D. D. Co., sectional	...	190	...	...	..	800
Mobile, Ala.	Ollinger & Bruce D. D. Co., sectional	...	190	65	...	13	800
Mobile, Ala.	Ollinger & Bruce D. D. Co., sectional	...	190	...	...	..	800
Mobile, Ala.	Ollinger & Bruce D. D. Co., sectional	...	190	...	...	..	800
Mobile, Ala.	Ollinger & Bruce D. D. Co., sectional	...	190	...	...	..	800
Mobile, Ala.	Ollinger & Bruce D. D. Co., sectional	...	60	55	...	..	200
Mobile, Ala.	Ollinger & Bruce D. D. Co., sectional	...	60	...	...	..	200
Mobile, Ala.	Ollinger & Bruce D. D. Co., balance dock	...	312	86	...	16	3 600

LOCATION.	NAME.	Feet: Extreme Length	Length on Blocks	Width at Top	Width at Gate	Depth Over Sill	Capacity
Mobile, Ala.	Jas. M. Campbell, foot St. Anthony St.	197	187	45	...	3 Fd. / 14 Aft.	300
Mobile, Ala.	R. Moore & Co.	360	...	...	...	7	500
Moss Point, Miss.	John De Angelo, marine slip.	150	...	50	...	12	400
Moss Point, Miss.	John De Angelo, marine slip.	...	...	...	...	9	200
Mound City, Ill.	Mississippi Valley Marine Ry. & Dock Co.	325	...	...	...	..	4,000
Mystic, Conn.	John F. Nayes, marine railway.	...	...	...	...	..	75
Neponset, Mass.	Geo. Lawley & Son Corporation.	...	145	36	30	15	400
Neponset, Mass.	Geo. Lawley & Son Corporation.	...	80	25	20	10	150
Neponset, Mass.	Geo. Lawley & Son Corporation.	...	50	20	16	9	100
New Baltimore, N. Y.	William H. Baldwin, marine railway.	150	148	40	40	8	500
New Bedford, Mass.	See Fairhaven, Mass.	...	...	...	...	..	....
New Brighton, N. Y.	John McCarthy & Bro., two floating docks.	...	...	...	...	...	....
New Brighton, N. Y.	Frank McWilliams, floating dock.	...	...	...	...	..	600
Newburgh, N. Y.	T. S. Marvel Shipbuilding Co., marine railway.	250	200	70	...	13	1,200
New London, Conn.	Morgan Iron Works.	180	...	...	...	9 Fd. / 20 Aft.	800
New London, Conn.	New London Marine Iron Works, marine railway.	...	150	...	...	12	500
New London, Conn.	New London Marine Iron Works, marine railway.	...	125	...	...	12	400
New London, Conn.	New London Marine Iron Works, marine railway.	...	250	...	...	16	1,500
New London, Conn.	Thames Tow Boat Co., marine railway.	310	280	63	63	21	2,500
New London, Conn.	Thames Tow Boat Co., marine railway.	195	170	50	50	16	1,000
New Orleans, La.	Johnson & Cherutti, marine railway.	...	100	...	...	..	100
New Orleans, La.	New Orleans Dry Dock & Shipbuilding Co.	...	232	...	80	16	2,000
New Orleans, La.	See Algiers, La.	...	...	...	...	..	....
New Orleans, La.	New Orleans Dry Dock & Ship Bldg. Co.	332	332	95	95	22	5,000
Newport News, Va.	Newport News Ship Building & Dry Dock Co.	586	509	147	99	24	...
Newport News, Va.	Newport News Ship Building & Dry Dock Co.	639	542	130	96	25	...
Newport News, Va.	Newport News Ship Building & Dry Dock Co.	860	737	162	103	30	...
New York, N. Y.	See also Brooklyn, Hoboken and Jersey City.	...	...	...	...	...	....
New York, N. Y.	Jas. Shewan & Sons, foot Stanton St., E. R.	...	180	61	...	16	800
New York, N. Y.	Jas. Shewan & Sons, foot Stanton St., E. R.	...	160	61	...	16	700
New York, N. Y.	Jas. Shewan & Sons., foot Fourth St., E. R.	...	276	87	...	25	3,500
New York, N. Y.	Jas. Shewan & Sons., foot Fourth St., E. R.	...	240	81	...	22	2,500
New York, N. Y.	Jas. Tregarthen, Son & Co., Dock No. 1.	191	191	73	63	16	1,000
New York, N. Y.	Jas. Tregarthen, Son & Co., Dock No. 2.	260	260	85	76	20	3,000
New York, N. Y.	Jas. Tregarthen, Son & Co., Dock No. 3.	240	240	80	80	16	2,000
Noank, Conn.	Robt. Palmer & Son, marine railway.	...	250	...	...	14	1,600
Norfolk, Va.	See Berkley, Va.	...	96	30	...	8	....
Norfolk, Va.	Chas. J. Colonna's Marine Railway.	...	200	30	...	15	400
Norfolk, Va.	Chas. J. Colonna's Marine Railway.	...	326	48	...	26	1,500
Norfolk, Va.	Chas. J. Colonna's Marine Railway.	...	225	36	...	22	1,500
Norfolk, Va.	Norfolk Marine Ry. Co., Inc.	280	206	...	...	9	900
Norfolk, Va.	Norfolk Marine Ry. Co., Inc.	225	225	...	...	10 Aft.	700
Norfolk, Va.	F. O. Smith Ship Building & Dry Dock Co., 205 Water Ave., marine railway.	240	225	32	...	7 Fd. / 18 Aft.	1,000
Norfolk, Va.	F. O. Smith Ship Building & Dry Dock Co., 205 Water Ave., floating dry dock.	200	182	82	...	15	2,000
Norfolk, Va.	W. E. Thomas & Co., marine railway.	...	225	...	30	18	500
Norfolk, Va.	G. T. Taylor, marine railway.	...	200	...	...	..	200
North Vancouver, B. C.	Wallace Shipyard, marine railway.	...	150	...	...	..	1,000
N. Vancouver, B. C.	Wallace Shipyard, marine railway.	...	240	...	...	..	2,500
Nyack, N. Y.	John P. Smith Co., foot 3rd Ave., marine railway.	108	...	...	30	9	500
Nyack, N. Y.	John P. Smith Co., foot 3rd Ave., marine railway.	96	...	...	30	8	250
Nyack, N. Y.	Julius Petersen, foot of Spear St.	250	...	...	6	6	....
Nyack, N. Y.	Julius Petersen, foot of Spear St.	150	...	...	6	4½	....
Oakland, Cal.	Pacific Shipyards & Ways Co., marine railway.	...	...	...	...	..	700
Oakland, Cal.	Hay & Wright, marine railway.	...	...	...	...	..	700
Oakland, Cal.	Moore & Scott Iron Works, marine railway.	...	...	...	...	14 Fd. / 18 Aft.	3,500
Oakland, Cal.	United Engineering Works, marine railway	...	350	...	...	..	4,000
Oakland, Cal.	United Engineering Works, marine railway (under construction)	...	240	...	...	20	2,000
Oxford, Md.	Oxford Ship Yard & Marine Ry.	300	Cradle / 96	...	...	15	250
Paducah, Ky.	Paducah Dry Dock Co., four sections.	...	90	...	39.6	..	2,500
Paducah, Ky.	Paducah Marine Railway Co.	280	52	...	...	..	....
Pascagoula, Miss.	George Frentz, marine slipway.	180	...	...	...	9	400
Pensacola, Fla.	Bagdad Sectional Dry Docks, Geo. Bruce, Mgr.	165	165	50	...	14	500
Pensacola, Fla.	Pensacola Marine Railway Co.						
Pensacola, Fla.	Pensacola Marine Railway Co., dry dock.	190	...	...	...	12 Fd. / 20 Aft.	1,600
Perth Amboy, N. J.	Perth Amboy Dry Dock Co., dry dock.	...	...	...	...	26	10,000
Perth Amboy, N. J.	Perth Amboy Dry Dock Co., dry dock.	241	241	80	62	18	2,500
Perth Amboy, N. J.	Perth Amboy Dry Dock Co., dry dock.	160	160	59	46	14	1,000
Perth Amboy, N. J.	Perth Amboy Dry Dock Co., dry dock.	125	124	51	41	12	500
Perth Amboy, N. J.	Raritan Dry Dock Co.	213	213	66	52	17	2,000
Perth Amboy, N. J.	Raritan Dry Dock Co.	207	154	72	59	16	1,500
Perth Amboy, N. J.	Raritan Dry Dock Co.	125	100	40	30	10	500
Perth Amboy, N. J.	Raritan Dry Dock Co.	302	210	92	80	22	4,500
Philadelphia, Pa.	Kensington Ship Yard Co., dry dock	432	412	111	70	20	8,000
Philadelphia, Pa.	Kensington Ship Yard Co., No. 1 railway.	600	240	...	...	7½ to 20	1,000
Philadelphia, Pa.	Kensington Ship Yard Co., No. 2 railway, dry dock	600	300	...	...	13 to 18	3,000
Philadelphia, Pa.	Wm. Cramp & Sons Ship & Engine Bldg. Co., marine railway	...	225	...	...	9	1,000
Pictou, Nova Scotia	Pictou Marine Railway, J. & J. Yorston.	236	218	...	...	14 Fd.	1,500
Pictou, Nova Scotia	Pictou Marine Railway, J. & J. Yorston.	178	178	...	...	12 Fd.	800
Pocomoke City, Md.	E. James Tull, marine railway.	...	125	...	...	6 Fd. / 9 Aft.	500
Port Jefferson, N. Y.	James M. Bayles & Son, railway.	150	150	...	...	..	400
Port Jefferson, N. Y.	James M. Bayles & Son, railway.	100	95	...	...	..	200

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Port Jefferson, N. Y.	John F. Hawkins, railway	115	...	...	...	..	....
Port Jefferson, N. Y.	John F. Hawkins, railway	90	...	...	...	..	400
Port Jefferson, N. Y.	J. T. Mather, railway	650	230	...	...	20	1,500
Port Jefferson, N. Y.	Andrew Radel, marine railway	...	210	...	...	25	2,000
Portland, Me.	Portland Shipbuilding Co., railway	250	230	66	...	16	1,300
Portland, Me.	Portland Shipbuilding Co., marine railway	...	105	...	...	14	300
Portland, Ore.	Portland Shipbuilding Co., railway	110	110	35	...	15	300
Portland, Ore.	Oregon-Washington Railroad & Navigation Co., marine railway	...	250	...	...	8	800
Portland, Ore.	Port of Portland, Sectional Dry Dock	500	468	...	82	25	10,000
Portland, Ore.	Oregon Dry Dock Co., floating dock	340	295	76	...	18	4,000
Portland, Ore.	Joseph Supple, side pull ways	240	200	...	...	7	1,000
Portland, Ore.	Joseph Supple	100	60	...	...	8	100
Portsmouth, Va.	Joseph Leed, marine railway	...	...	...	...	..	....
Port Townsend, Wash.	W. H. McCurdy, ship yard and marine railway	...	...	...	...	..	....
Port Richmond, N. Y.	Staten Island Shipbuilding Co., floating dock	...	300	...	...	22	4,000
Port Richmond, N. Y.	Staten Island Shipbuilding Co., floating dock	...	200	...	...	18	1,800
Port Richmond, N. Y.	Staten Island Shipbuilding Co., floating dock	...	141	...	...	14	1,000
Port Richmond, N. Y.	Brewer Dry Dock Co., three dry docks	...	...	...	...	..	....
Providence, R. I.	Providence Dry Dock Co., floating	200	150	59	...	16	1,000
Quincy, Ill.	Quincy Marine Ways, H. S. Brown, Pres.	120	Cradle 160	...	...	3½	....
Quincy, Mass.	Baker Yacht Basin, Inc., marine railway	300	163	...	...	..	800
Quincy, Mass.	Baker Yacht Basin, Inc., marine railway	100	30	...	...	..	30
Quincy, Mass.	Baker Yacht Basin, Inc., marine railway	80	20	...	...	..	30
Quincy, Mass.	Baker Yacht Basin, Inc., marine railway	65	15	...	...	..	20
Quincy, Mass.	Baker Yacht Basin, Inc.	Track 500	...	35	...	18	1,000
Riparia, Wash.	Oregon-Washington Railroad & Navigation Co.	...	110	...	...	8	600
Rock Island, Ill.	Kahlke Bros., marine railway	350	Cradle 36	...	...	..	150
Rockland, Me.	South Marine Railway, I. L. Snow & Co., agents	170	...	...	...	12 Fd. 15 Aft.	750
Rockland, Me.	South Marine Railway, I. L. Snow & Co., agents	150	...	...	...	9 Fd. 12 Aft.	500
Rondout, N. Y.	C. Hiltebrant Dry Dock Co., Inc., floating dock	130	182	66	...	17	1,100
Rondout, N. Y.	C. Hiltebrant Dry Dock Co., Inc., floating dock	100	150	56	...	14	800
Rondout, N. Y.	McCausland & Co., floating dock	...	110	...	...	13	400
Rondout, N. Y.	Aaron McMullen, marine railway	...	176	...	...	12	500
Roscoe, Pa.	G. W. Wregel	...	...	...	...	..	....
Sacramento, Cal.	Sacramento Trans. Co., marine railway	...	300	...	...	13	250
San Diego, Cal.	Marine Ry. & D. D. Co., P. O. Box Y	750	185	...	...	11 Fd. 19 Aft.	800
San Francisco, Cal.	Moore & Scott Iron Works, marine railway	318	318	76	76	12 Fd. 18 Aft.	3,500
San Francisco, Cal.	Pacific Shipyard & Ways Co., 24 California St.	550	165	42	...	10 Fd. 16 Aft.	800
San Francisco, Cal.	Pacific Marine Railway Co.	...	...	...	...	..	1,000
San Francisco, Cal.	Fred Siemer, marine railway	90	...	70	...	..	120
San Francisco, Cal.	Union Iron Works, dry dock	...	750	...	122	30	....
San Francisco, Cal.	Union Iron Works, hydraulic dock	...	450	...	...	18	8,000
San Francisco, Cal.	Union Iron Works, floating dock	...	230	...	81	26	1,200
San Francisco, Cal.	Union Iron Works, marine railway	...	178	...	...	..	800
San Francisco, Cal.	Union Iron Works, floating dock	...	300	...	91	16	3,000
San Francisco, Cal.	Union Iron Works, floating dock	...	271	...	66	..	2,000
San Francisco, Cal.	Union Iron Works, dry dock	...	490	...	125	24	....
San Francisco, Cal.	San Francisco Dry Dock Co., Dock No. 1	482	...	116	92	24	....
Saunderstown, R. I.	Stillman Saunders, marine railway	60	...	...	...	7	100
Savannah, Ga.	John Rourke	150	145	37	...	13½	800
Savannah, Ga.	John Rourke	260	260	40	...	..	....
Savannah, Ga.	William Kehoe & Son, marine railway	...	200	...	...	10 Fd. 15 Aft.	1,500
Seaford, Del.	Seaford Marine Railway Co.	...	175	...	40	12	1,000
Seattle, Wash.	King & Winge, marine railway	185	185	75	...	..	500
Seattle, Wash.	King & Winge, marine railway	110	110	...	...	..	150
Seattle, Wash.	Seattle Construction & Dry Dock Co.	468	468	100	85	..	12,000
Seattle, Wash.	Seattle Construction & Dry Dock Co., floating dock	200	200	55	55	..	3,000
Seattle, Wash.	Heffernan Dry Dock Co., floating dock	385	325	100	100	26	8,000
Sharptown, Md.	Sharptown Marine Ry. & Shipbuilding Co.	560	Cradle 173	...	...	7½ Fd. 14½ Aft.	1,000
Sharptown, Md.	Sharptown Marine Ry. & Shipbuilding Co.					6 Fd.	
Shooters Island, N. Y.	See Mariner Harbor, N. Y.	308	108	...	...	13 Aft.	200
Sidney, N. S.	Archibald & Co.	220	...	40	...	14 Fd.	1,000
Sidney, N. S.	Archibald & Co.	100	...	...	...	..	250
Sidney, N. S.	Archibald & Co.	96	...	...	...	10 Fd.	250
Sleightsburg, N. Y. (opp. Rondout)	John J. Baisden, P. O. Box 7, Rondout, N. Y.	430	125	40	40	7½	500
Solomons, Md.	M. M. Davis & Son	115	115	24	24	9	250
Solomons, Md.	Dawson, Geo. T., two marine railways	250	100	...	...	12	150
Solomons, Md.	J. T. Marsh, Mill Creek, two marine railways	90	80	...	...	8	200
Solomons, Md.	Thos. Moore						
South Boston, Mass.	Murray & Tregurtha Co., three marine railways	...	...	...	...	..	....
South Somerset, Mass. (Fall River P. O.)	Read Bros. (have in addition 3 small railways from 10 to 75 tons)	...	...	...	...	...	....
		175	175	48	45	16	800
South Jacksonville, Fla.	See Jacksonville	...	...	...	...	..	....

LOCATION.	NAME.	Feet: Extreme Length	Length on Blocks	Width at Top	Width at Gate	Depth Over Sill	Capacity
St. George, Me.	I. E. Archibald, marine railway	...	...	...	...	...	....
St. Louis, Mo.	Wiggins Ferry Co., marine railway	360	Cradle 50	...	...	..	....
St. Michaels, Md.	Thos. Kirby & Sons, marine railway	250	120	23	...	7	150
Tampa, Fla.	Tampa Steam Ways Co.	200	180	40	40	12	...
Tampa, Fla.	Tampa Steam Ways Co.	200	180	40	40	12	....
Tampa, Fla.	Tampa Foundry & Machine Co.	200	...	...	...	..	2,500
Tenants Harbor, Me.	G. W. Rawley, marine railway	120	...	...	...	11	375
Tompkins Cove, N. Y.	H. J. Rodermond, marine railway	125	125	34	...	8	500
Tompkins Cove, N. Y.	H. J. Rodermond, marine railway	100	100	30	...	6	400
Tottenville, N. Y.	A. C. Brown, marine railway	125	...	...	...	..	250
Tottenville, N. Y.	J. S. Ellis & Son, marine railway	120	...	36	...	6½ Fd.	250
Vancouver, B. C.	See North Vancouver	...	...	...	...	..	....
Vancouver, B. C.	British Columbia Marine Ry. Co., Ltd.	725	250	55	55	17	2,500
Vancouver, B. C.	British Columbia Marine Railway Co., Ltd.	...	180	...	...	18	1,200
Vancouver, B. C.	A. Wallace, marine railway	...	...	...	...	8	600
Vancouver, Wash.	John Sounds, marine railway	...	250	...	...	14	....
Victoria, B. C.	British Columbia Marine Ry. Co., Ltd.	525	200	40	40	15	1,000
Victoria, B. C.	Wm. Turpel, marine railway	180	160	48	42	20	1,000
Vineyard Haven, Mass.	B. C. Cromwell, marine railway	...	125	...	...	11	400
Wabasha, Minn.	Sam Peters & Son, marine railway	...	200	...	...	..	300
Washington, N. C.	Wm. A. Chauncey, manager, marine railway	140	140	...	...	..	150
Washington, N. C.	Mutual Machine Co., marine railway	155	...	32	...	3½ to 11	600
Washington, D. C.	Mutual Machine Co., marine railway	...	155	...	...	3½ Fd. 11 Aft.	400
Weehawken, N. J.	John Sullivan, Union Dry Docks	110	110	55	...	16	500
Weehawken, N. J.	John Sullivan, Union Dry Docks	240	240	90	...	21	2,000
Weems, Va.	H. E. Owen	100	100	22	...	7	100
Weems, Va.	H. R. Humphreys	...	150	...	...	4	250
West New Brighton, S. I., N. Y.	Frank McWilliams, Office: 1 Broadway, New York	135	110	44	44	15	500
West New Brighton, S. I., N. Y.	Frank McWilliams, Office: 1 Broadway, New York	125	100	40	40	13	400
West New Brighton, S. I., N. Y.	Frank McWilliams, Office: 1 Broadway, New York, Dock No. 1	209	209	68½	65	19	2,000
West New Brighton, S. I., N. Y.	Frank McWilliams, Office: 1 Broadway, New York, Dock No. 2	190	190	60	57	19	1,000
West New Brighton, S. I., N. Y.	Waters-Colver Co.	145	120	42	38	16	500
Whitehall, N. Y.	Geo. Neddo	...	...	...	...	..	....
Whitehall, N. Y.	H. G. Burleigh & Bro., graving dock	...	120	...	...	..	....
Wickford, R. I.	A. E. Saunders, marine railway	180	...	...	...	..	....
Wilmington, Del.	American Car & Foundry Co., Jackson & Sharp plant	168	175	...	...	10	500
Wilmington, Del.	Enoch Moore, marine railway	185	...	60	...	5	600
Wilmington, Del.	Harlan & Hollingsworth Corpn.	348½	348	90½	41½	13	4,000
Wilmington, Del.	Jackson & Sharp Co., marine railway	168	175	...	...	10	500
Wilmington, N. C.	Lewis H. Skinner, railway	160	160	40	40	12	700
Wilmington, Del.	Pusey & Jones Co., The, railway	200	195	38	...	4 Fd. 14 Aft.	500
Winslow, Wash.	Hall Bros. Marine Ry. & S. B. Co.	Track 870	325	85	...	18 Fd. 23 Aft.	4,000

Dry Docks and Marine Railways of the Great Lakes

DIMENSIONS, DRAUGHT OF WATER, ETC.

For dry docks of other parts of the United States see page 152

PLACE	NAME OF DOCK	Feet: LENGTH On Blocks	LENGTH Over All	WIDTH Gate	WIDTH Top	DEPTH Over Sill
Ashtabula, O.	Great Lakes Engineering Works	636	664	78	102	16
Bay City, Mich.	James Davidson	415	435	60	100	14½
Bay City, Mich.	James Davidson	290	315	42½	70	13
Buffalo, N. Y.	Buffalo Dry Dock Co., Dock No. 1	454	478	58	81	16
Buffalo, N. Y.	Buffalo Dry Dock Co., Dock No. 2	615	621	72	96	16
Buffalo, N. Y.	Buffalo Dry Dock Co., Dock No. 3	372	379	45	65½	12½
Buffalo, N. Y.	Empire Shipbuilding Co., floating dock	...	126	34	...	..
Buffalo, N. Y.	Empire Shipbuilding Co., floating dock	...	101	28	...	9
Buffalo, N. Y.	Buffalo Dry Dock Co	650	...	...	...	..
Chicago, Ill.	Shipowners' Dry Dock Co. No. 1	480	500	60	84	16
Chicago, Ill.	Shipowners' Dry Dock Co. No. 2	300	320	50	80	14
Chicago, Ill.	Shipowners' Dry Dock Co. No. 3	160	180	40	70	10
Chicago, Ill.	Chicago Shipbuilding Co. (Calumet)	556	564	70	100	16
Cleveland, O.	American Shipbuilding Co., Dock No. 1	536	547	58	88	13¾
Cleveland, O.	American Shipbuilding Co., Dock No. 2	442	455	48	55	16
Cleveland, O.	American Shipbuilding Co., Dock No. 3	340	360	48	55	17½
Collingwood, Ont.	Collingwood Shipbuilding Co., Ltd., No. 1	514	520	55	60	16½
Collingwood, Ont.	Collingwood Shipbuilding Co., Ltd., No. 2	410	420	104	100	16
Detroit, Mich.	Detroit Shipbuilding Co., Dock No. 1	232	232	48	48	8
Detroit, Mich.	Detroit Shipbuilding Co., Dock No. 2	341	368	77	91	16
Detroit, Mich.	Great Lakes Engineering Works, sectional floating dock	790	790	...	95	18
Detroit, Mich.	Walter H. Oades Marine Ry	140	...	...	...	{ 5 Fd. / 12 Aft.
Duluth, Minn.	N. Grignon (Floating Dock)	60	...	60	60	13
Duluth, Minn.	Marine Iron & Shipbuilding Works, floating dock	...	...	...	...	16
Grand Haven, Mich.	Mechanics Dry Dock, sectional dock	...	...	...	...	9
Grand Haven, Mich.	T. W. Kirby, floating dock	140	...	42	...	8
Greenville, Mich.	C. T. Wright Engine Co., marine railway	...	...	...	...	...
Houghton, Mich.	Joseph Croze	75	100	26	26	10
Kingston, Ont.	Davis Dry Dock Co	180	180	36	36	7 to 9
Kingston, Ont.	Kingston Shipbuilding Co	280	300	55x79	...	14.6 low / 16 high
Lorain, O.	American Shipbuilding Co	550	605	66	94	15
Lorain, O.	American Shipbuilding Co	724	774	77	125	15
Manitowoc, Wis.	Manitowoc Ship Building & Dry Dock Co., graving dock	340	350	45	68	13
Manitowoc, Wis.	Manitowoc Ship Building & Dry Dock Co., floating dock	120	120	35	40	10 over blocks
Manitowoc, Wis.	Manitowoc Ship Building & Dry Dock Co. floating dock	360	360	...	70	15
Milwaukee, Wis.	Milwaukee Dry Dock Co., South dock	444	455	60½	85	13½
Milwaukee, Wis.	Milwaukee Dry Dock Co., West dock	312	320	45	75	12
Milwaukee, Wis.	Milwaukee Dry Dock Co., floating dock	73	...	...	...	..
Montreal, Que.	A. Cantlin, Canada Marine Works	216	216	46	90	11
Montreal, Que.	A. Cantlin, Canada Marine Works	200	200	46	90	11
Ogdensburg, N. Y.	St. Lawrence Marine Ry. Co	300	300	24	52	16
Oswego, N. Y.	J. H. & T. C. Goble, Ontario Dry Dock	150	165	36	50	11
Owen Sound, Ont.	Owen Sound Dry Dock & Ship Building Co., Ltd.	275	300	48½	63½	9
Owen Sound, Ont.	British N. American Bent Chair Factory	...	300	...	...	10
Port Arthur, Ont.	Western Dry Dock and Ship Building Co., Ltd.	700	728	77½	98	16
Port Dalhousie, Ont.	Muir Brothers (3 sections)	255	300	46	120	11
Port Huron, Mich.	Port Huron Ship Building Co	390	412	...	62	13½
Port Huron, Mich.	Reid Wrecking Co., graving dock	412	...	62	...	18
Quebec, Que.	G. T. Davie & Sons No. 1	234	236	41	...	12
Quebec, Que.	G. T. Davie & Sons No. 2	178	180	38	...	12
Quebec, Que.	Ross & Co	...	322	...	...	..
Quebec, Que.	A. Russell	223	...	41½	...	..
Saginaw, Mich. (East Side)	Carkin, Stickney & Cram, marine railway	150	...	...	...	10
Sandusky, O.	S. C. Wheeler	160	...	...	...	8½
Sandusky, O.	The Lake Erie Dry Dock & Mill Co	130	130	29	29	9
Sault Ste. Marie, Mich.	Hickler Bros., marine railway, 1000 tons capacity.	180	190	...	40	{ 7½ Fd. / 13½ Aft.
Sturgeon Bay, Wis.	Rieboldt, Wolter & Co., four sets of floating dry docks, 70, 100, 150 and 215 ft lengths on blocks, respectively	...	...	...	62	13
Superior, Wis.	Superior Shipbuilding Co., Dock No. 1	562	591	64	84	14
Superior, Wis.	Superior Shipbuilding Co., Dock No. 2	605	620	66½	106	19
Toledo, O.	A. Gilmore's Sons	230	235	37	55	9½
Toledo, O.	Toledo Marine Ry. (James Scanes, Mgr.)	102	102	32	32	10½
Toledo, O.	The Toledo Shipbuilding Co., No. 1	670	700	{ 82 / 92 }	95	14
Toledo, O.	Toledo Shipbuilding Co., No. 2	526	570	{ 71½ / 80½ }	103	14
Toronto, Ont.	Peter Arnot	125	200	32	32	10.6
Wyandotte, Mich.	Davis Boat & Oar Co., marine railway	140	...	...	...	12

Dry Docks and Marine Railways of the United States Navy.

GRAVING DOCKS.

Location	Length Over All (Feet)	Length On Floor (Feet)	Width at Entrance (Feet)	Depth Over Sill (Feet)
Boston, Mass.	382	357	60	25
Boston, Mass.	748	729	102	30
Bremerton, Wash.	650	619	93	30
Bremerton, Wash.	838	802	124	38
Charleston, S. C.	576	548	113	34
Mare Island, Cal.	517	459	81	26
Mare Island, Cal.	752	730	102	30
New York, N. Y.	471	451	91	27
New York, N. Y.	668	625	105	30

GRAVING DOCKS.

Location	Length Over All (Feet)	Length On Floor (Feet)	Width at Entrance (Feet)	Depth Over Sill (Feet)
New York, N. Y.	357	326	67	25
New York, N. Y.	703	695	120	35
Norfolk, Va.	332	303	60	25
Norfolk, Va.	500	460	85	26
Norfolk, Va.	732	732	112	34
Pearl Harbor, Hawaii	1,008	1,008	123	35
Philadelphia, Pa.	501	460	86	25
Philadelphia, Pa.	755	732	103	30
Portsmouth, N. H.	751	719	102	30

FLOATING DOCKS.

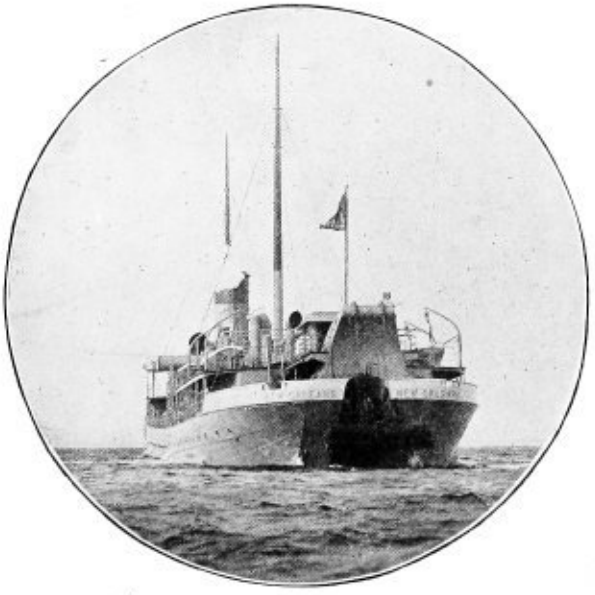
Location	Length Over All (Feet)	Width Top (Feet)	Width Blocks (Feet)	Draught (Feet)	Capacity
New Orleans, La.	525	100	...	28	15,000
Olongapo, P. I.	500	106	...	30	18,500

MARINE RAILWAYS.

Location	Feet. Length	Tons. Capacity
Key West, Fla.	176	750
Mare Island, Cal.	224	50
Newport, R. I.	99	65
Newport, R. I.	111	300
Newport, R. I.	75	20
Pichilinque Bay	180	100
Washington, D. C.	158	500
Cavite, P. I.	170	400
Cavite, P. I.	110	150
Cavite, P. I.	234	10
Cavite, P. I.	116	10
Cavite, P. I.	164	10
Guami, L. I.	40	Launches

Canadian Government Graving Docks.

PLACE	LENGTH On Blocks	LENGTH Over All	WIDTH Gate	WIDTH Top	DEPTH Over sill
Esquimalt, B. C.	430	450	65	90	26½
Kingston, Ont.	247	290	48	72	15½
Levis, P. Q.	582	600	61	100	24½



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Fernald, Frank L., Naval Constructor U. S. N. (retired), Eliot, Me.
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Fletcher, Andrew, North River Iron Wks., Hoboken, N. J.
Fletcher, Wm. H., North River Iron Wks., Hoboken, N. J.
Flood, H. C., Gen. Mgr., Bergen Mekaniske Vaerksted, Bergen, Norway.
Fletcher, Henry N., W. & A. Fletcher Co., Hoboken, N. J.
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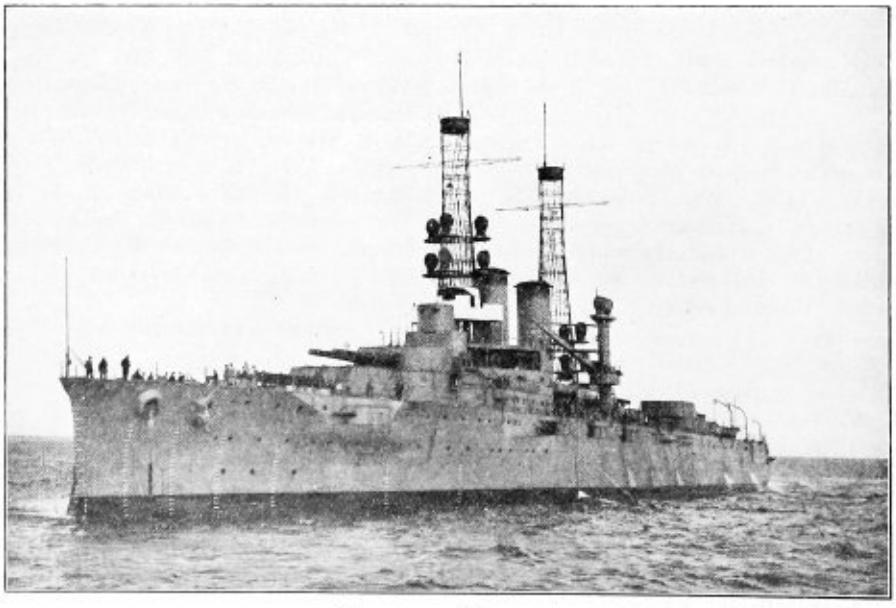
Committee on Employment of Help—J. O. Nessen, Manistee, Mich.; C. H. Prescott Jr., Cleveland; W. D. Hamilton, Chicago; O. W. Blodgett, Bay City, Mich.; Edward Hines, Chicago; J. C. Garey, Saginaw, Mich.; W. H. Sharp, Bay City, Mich.; Win Schlosser, Milwaukee, Wis.; D. W. Mills, Cleveland, O.; Myron Blodgett, Bay City, Mich.; H. A. Haigh, Detroit, Mich.; M. A. Markham, Chicago, Ill.

MEMBERS.

American Lumber & Cedar Co., Alpena, Mich.
Argo Steamship Co., care Fisher & Wilson, Rockefeller bldg., Cleveland, O.
Bell, George F., 7 Marine Block, Toledo, O.
Blodgett, Myron, 602 N. Madison Ave., Bay City, Mich.
Blodgett, O. W., Bay City, Mich.
Boland & Cornelius, 318 Forest Ave. W., Detroit, Mich.
Carrollton Steamship Co., care Eddy Parker Co., Saginaw, Mich.
Chicago Trans. Co., Fisher Bldg., Chicago, Ill.
Churchill Lumber Co., Alpena, Mich.
Connelly Bros., Michigan and Ohio sts., Buffalo, N. Y.
Desot, Frank, 157 Ohio st., Buffalo, N. Y.
Erickson, J. B., 390 18th ave., Milwaukee, Wis.
Follett, W. H., Tonawanda, N. Y.
Foss, E. B., Bay City, Mich.
Garey, J. C., 405 Bearinger bldg., Saginaw, Mich.
Grace Harbor Lumber Co., Minnie and Swain sts., Detroit, Mich.
Haigh, Henry A., 1018 Ford bldg., Detroit, Mich.
Handy, T. R., Bay City, Mich.
Hettler, Herman H., Lumber Co., 2601 Elston ave., Chicago, Ill.
Hines Lumber Co., E., 2431 S. Lincoln st., Chicago, Ill.
Holmes, W. E., 1049 Insurance Exchange, Chicago, Ill.
Johnson & Rasch, 9746 Ave. H., South Chicago, Ill.
Kendall, Capt. Henry, Marysville, Mich.
Lake Sand Co., 92d St. Bridge, South Chicago, Ill.
Lawrence, Harry, Marine City, Mich.
Leckie, Fred L., 840 Rockefeller bldg., Cleveland, O.
Lutz-Oliver Co., care J. H. Lutz, Michigan City, Ind.
McCarthy, Jerry, 157 Ohio St., Buffalo, N. Y.
McLean, R. E., Wells, Mich.
Maddock, J. B., Bay City, Mich.
Marine Trans. Co., care Skillings, Whitings & Barnes, Ogdensburg, N. Y.
Markham, M. A., 1049 Insurance Exchange, Chicago, Ill.
Mitchell & Co., Rockefeller bldg., Cleveland, O.
Mud Lake Lumber Co., 212 Arcade, Cleveland, O.
Munroe, Wm., Muskegon, Mich.
Muskegon Steam Barge Co., care W. H. Wilson, Muskegon, Mich.
Naugle Pole & Tie Co., 5 So. Wabash ave., Chicago, Ill.
Neff, Chas. S., 2109 Grand ave., Milwaukee, Wis.
Nessen & Co., J. O., Manistee, Mich.
O'Conner, James, Tonawanda, N. Y.
Pierce, W. E., West Bay City, Mich.
Port Huron Nav. Co., 1886 Carter Road, Cleveland.
Potter, Teare & Co., Cleveland, O.
Pringle, Capt. R. C., 1516 Arthur ave., Lakewood, O.
Rathborne, Court, 76 Sprout st., Detroit, Mich.
Saginaw Bay Co., 2106 W. Third st., Cleveland, O.
Sands, Louis, Salt & Lumber Co., Manistee, Mich.
Schlosser, Wm, 242 S. Water st., Milwaukee, Wis.
Shannon & Garey, Saginaw, Mich.
Sharp, W. H., Bay City, Mich.
South Side Lumber Co., Ashland ave. and 22d st., Chicago, Ill.
Stearns Salt & Lumber Co., Ludington, Mich.
Sullivan, L. W., White Star bldg., Toledo, O.
Volunteer Transit Co., 1304 Rockefeller bldg., Cleveland, O.
Wedow, John F., 1508 Rockefeller bldg., Cleveland, O.
Weeks, C. H., Duluth, Minn.



BATTLESHIP WYOMING

Card of Wages Adopted by the Lake Carriers' Association for the Year 1913

Steel Steamers

FIRST CLASS

		PER MONTH
Chief Engineers	Class A See Note	$175.00
1st Assistant Engineers		125.00
2d Assistant Engineers		84.00
Chief Engineers	Class B See Note	155.00
1st Assistant Engineers		110.00
2d Assistant Engineers		84.00
1st Mates		130.00
2nd Mates		90.00
Cooks on vessels over 4,000 gr. tons		90.00
2nd Cooks and Waiters, to Oct. 1st		36.00
2d Cooks and Waiters, Oct. 1st to close of navigation		37.50
Porters, to Oct. 1st		30.00
Porters, Oct. 1st to close of navigation		35.00
Firemen, Oilers and Water Tenders, to Oct. 1st		52.00
Firemen, Oilers and Water Tenders, Oct. 1st to close of navigation		65.00
Wheelsmen-lookouts' men		55.00
Wheelsmen and Lookouts, to Oct. 1st		50.00
Wheelsmen and Lookouts, Oct. 1st to close of navigation		65.00
Ordinary Seamen, to Oct. 1st		31.50
Ordinary Seamen, Oct. 1st to close of navigation		40.00

NOTE.

Class A.—Steel steamers of over 5,500 gr. tons, government register.

Class B-1.—All bulk freight steamers of 4,000 tons and less than 5,500. Bulk freight steamers of 4,000 to 5,500 tons carry third engineer only when equipped with water-tube boilers and mechanical stokers.

Class B-2.—Steel bulk freight steamers of 2,100 and less than 4,000 tons government register, and steel package freight steamers over 3,000 gross tons government register. Steel bulk frighters of this class carry third engineer only when equipped with water-tube boilers and mechanical stokers.

SECOND CLASS

Chief Engineers	$140.00
Assistant Engineers	100.00
Chief Engineers' Steel package freight steamers 1,800 to 3,000 gross tons	155.00

Steel Steamers Second Class, Continued

	PER MO
1st Assistant Engineers' Steel package freight steamers 1,800 to 3,000 gross tons	110.00
1st Mates	112.00
2nd Mates	78.00
Cooks, vessels less than 4,000 gr. tons	78.00
2d Cooks and Waiters, to Oct. 1st	34.00
2nd Cooks and Waiters, Oct. 1st to close of navigation	37.50
Porters, to Oct. 1st	30.00
Porters, Oct. 1st to close of navigation	35.00
Firemen, Oilers and Water Tenders, to Oct. 1st	52.50
Firemen, Oilers and Water Tenders, Oct. 1st to close of navigation	65.00
Wheelsmen-lookouts' men	55.00
Wheelsmen and Lookouts, to Oct. 1st	50.00
Wheelsmen and Lookouts, Oct. 1st to close of navigation	65.00
Ordinary Seamen, to Oct. 1st	31.50
Ordinary Seamen, Oct. 1st to close of navigation	40.00

THIRD CLASS

Chief Engineers	$105.00
Assistant Engineers	75.00
1st Mates	90.00
2d Mates (when carried)	60.00
Cooks	78.00
2d Cooks, to Oct. 1st	34.00
2d Cooks, Oct. 1st to close of navigation	37.50
Firemen, Oiler and Water Tenders, to Oct. 1st	52.50
Firemen, Oilers and Water Tenders, Oct. 1st to close of navigation	65.00
Wheelsmen-lookouts' men	55.00
Wheelsmen and Lookouts, to Oct. 1st	50.00
Wheelsmen and Lookouts, Oct. 1st to close of navigation	65.00
Ordinary Seamen, to Oct. 1st	31.50
Ordinary Seamen, Oct. 1st to close of navigation	40.00

Wooden Steamers

FIRST CLASS

	PER MONTH.
Chief Engineers	$140.00
Assistant Engineers	90.00
1st Mates	112.00
2d Mates	78.00
Cooks	78.00
2d Cooks and Waiters, to Oct. 1st	34.00

Wooden Steamers First Class, Continued

	PER MO.
2d Cooks and Waiters, Oct. 1st to close of navigation	37.50
Porters, to Oct. 1st	28.00
Porters, Oct. 1st to close of navigation	35.00
Firemen, Oilers and Water Tenders, to Oct. 1st	52.50

Card of Wages Adopted by the Lake Carriers' Association—Continued

WOODEN STEAMERS FIRST CLASS, CONTINUED

	PER MO.
Firemen, Oilers and Water Tenders, Oct. 1st to close of navigation	65.00
Wheelsmen-lookouts' men	55.00
Wheelsmen and Lookouts, to Oct. 1st	50.00
Wheelsmen and Lookouts, Oct. 1st to close of navigation	65.00
Ordinary Seamen, to Oct. 1st	31.50
Ordinary Seamen, Oct. 1st to close of navigation	40.00

SECOND CLASS

Chief Engineers	$125.00
Assistant Engineers	100.00
1st Mates	94.00
2d Mates (when carried)	62.50
Cooks	78.00
2d Cooks and Waiters, to Oct. 1st	34.00
2d Cooks and Waiters, Oct. 1st to close of navigation	37.50
Firemen, Oilers and Water Tenders, to Oct 1st	52.50
Firemen, Oilers and Water Tenders, Oct. 1st to close of navigation	65.00
Wheelsmen-lookouts' men	55.00
Wheelsmen and Lookouts, to Oct. 1st	50.00

WOODEN STEAMERS SECOND CLASS, CONTINUED

	PER MO.
Wheelsmen and Lookouts, Oct. 1st to close of navigation	65.00
Ordinary Seamen, to Oct. 1st	31.50
Ordinary Seamen, Oct. 1st to close of navigation	40.00

BARGES

Mates on barges shall receive not less than ten dollars ($10) per month more than seamen on the same vessel; and donkey men five dollars ($5) per month more than seamen.

Mates' wages on tow barges of the larger class (vessels which paid their mates $70 a month last year) shall be $73 per month for the entire season.

Able-bodied seamen on tow barges shall receive fifty-two dollars and fifty cents ($52.50) per month until October 1st, and sixty-five dollars ($65) per month from October 1st to the close of navigation.

The engineers on tow barges carrying towing machines shall receive $73.

The cooks on tow barges shall receive the same wages as the seamen on the same barges.

Ordinary seamen on barges $31.50 per month to Oct. 1, and $40 per month thereafter until close of navigation.

Wages of Seamen, Firemen, Oilers and Water Tenders employed in fitting out shall be $2.00 per day while they are not boarded on the vessel.

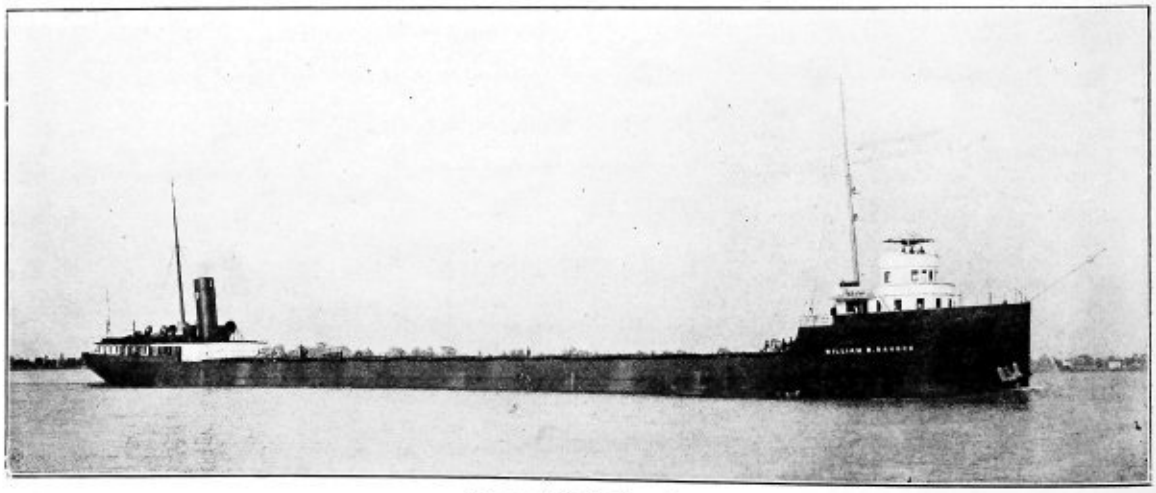
NOTE:—The salary of the master is not fixed by the Lake Carriers' Association, but is agreed upon between the vessel owner and the captain direct. The master's salary ranges from $1,300 to $2,000 per year according to the size or class of the vessel, and a number of the steamship companies, representing the largest freighters on the lakes, pay each of their masters, who come through the season without an accident, a bonus of $100.

Wheelsmen-Lookoutsmen are men who stand a three-hour trick at the wheel and three hours' watch on deck each watch.

Wheelsmen are men who stand a trick at the wheel but will not watch.

Lookoutsmen are men who stand a watch on deck but cannot wheel.

Handymen, where carried, same wages as firemen.



Steamer W. B. Davock

Iron Ore Carriers of the Great Lakes.

CAPACITY IN GROSS TONS AT ABOUT 19 ft. DRAUGHT.

*Sail or tow barge; all others steam.

Vessel.	Gross tons.
*Abyssinia	4,000
Adams, Thomas	5,000
Admiral	4,651
Adriatic	7,500
*Adriatic	1,735
Agassiz	10,000
Agawa	5,600
Agnew, William C.	10,000
Albright, J. J.	6,635
*Aloha	3,739
Amazon	6,000
Amazonas	3,700
America	3,320
Ames, Ward	10,000
Andaste	3,028
Andrews, M.	10,000
Angeline	6,644
Arcturus	9,800
Argus	7,000
Armour, Philip D.	2,800
Ashley, J. S.	9,000
Athabasca	1,800
*Athens	3,700
Augustus, A. A.	9,000
*Aurora	3,700
Australia	6,200
Baker, Geo. F.	11,200
Ball Brothers	8,200
Ball, F. C.	10,000
*Baltic	2,000
Barlum, John J.	9,000
*Barlum, John J.	2,200
Barlum, Thos.	8,800
Bartow, J. H.	9,200
Beatty, Charles	2,000
*Bell, Sir I. L.	5,824
Berry, B. F.	10,000
Berwind, H. A.	10,500
Bessemer	6,242
Bielman, C. F.	3,300
Bixby, W. K.	5,712
Black	6,825
Black Rock	2,900
Block Joseph	10,000
Boland, John J.	9,000
Bope, H. P.	10,000
*Bourke, Mary N.	1,700
Bradley, M. A.	8,000
Bransford	6,250
Brazil	3,200
Britannic	1,800
Briton	3,149
Brower, A. G.	5,000
Brown, H. H.	4,500
Brown, J. J. H.	8,000
Brown, W. L.	7,000
Brown, W. W.	5,000
*Bryn, Mawr	7,251
Buell, F. R.	1,150
Buffington, E. J.	11,200
Bunsen	7,239
Butler, J. G., Jr.	10,000
Byers, A. M.	9,000
Cadillac	2,354
Caldera	9,000
Calumet	7,500
Canopus	8,100
Carnegie, Andrew	5,670
*Carrington	5,510
Carruthers, James	9,500
Carter, E. D.	9,200
Castalia	4,418
Cataract	1,000
Centurion	4,933
Cepheus	7,000
Cetus	7,000
*Ceylon	1,600
Champlain	7,500
*Chattanooga	3,975
*Chickamauga	4,250
*Chieftain	5,100
Chili	4,000
*Chippewa	2,200
Chippewa	2,150
Choctaw	3,042
Christopher	5,900
City of Bangor	6,400
City of Berlin	3,200
City of London	2,950
City of Naples	3,300
City of Paris	3,000
City of Rome	3,000
Clark, E. A. S.	6,600
Clement, S. M.	8,879
Clyde	2,000
Cole, Thomas F.	11,355
Colgate	3,329
Collingwood	7,000
Colonel	5,800
Colonial	2,200
Columbia	2,000
*Constitution	7,000
Coralia	6,078
Corey, W. E.	10,300
*Corliss, Geo. H.	5,508
Cornelius, A. E.	7,400
Cornell	7,456
Corona	3,120
Corrigan, James	10,000
Corsica	3,085
Cort	3,367
Corvus	7,000
Congdon, C. A.	10,000
Coulby, Harry	11,000
Cowle, John B.	10,000
Craig, Geo. L.	5,000
Crawford, G. G.	12,000
Crescent City	6,311
Crete	8,500
*Crete	3,406
Crowe, G. R.	3,300
Cuddy, Loftus	9,680
Cumberland	2,437
Curry, S. S.	6,500
Cygnus	7,000
Davidson, Jas. E.	9,000
Davidson, Thos.	3,200
Davidson, L. R.	8,500
Davock, W. B.	7,300
Denmark	9,000
Dickson, W. B.	12,000
Dinkey, Alva C.	11,200
Donaldson, John A.	7,000
Duncan, John	2,200
Dunham, J. S.	6,800
Dunn, John, Jr.	10,000
Durston, J. F.	8,000
Dustin, A. C.	9,500
Eads	5,025
Earling, E. J.	10,000
Eddy, Chas. A.	3,000
Eddy, John F.	2,200
Eddy, Selwyn	4,400
Edenborn	8,170
Edmonton	3,000
Edwards, Wm.	1,600
Egan, Wiley M.	2,400
Elba	7,500
Ellwood	8,112
Elphicke, C. W.	3,100
Elphicke, M. C.	7,000
Emperor	9,000
Empire City	6,365
Empress of Midland	3,500
Empress of Fort William	3,500
England, R. W.	5,440
Ericsson	5,957
Fairbairn	6,037
Fairmount	3,000
Farrell, James A.	12,000
Filbert, W. J.	12,000
Fitch, Wm. F.	5,350
Fitzgerald, R. P.	2,200
Fitzgerald, W. E.	6,800
Flagg, Geo. A.	4,400
Fleetwood	2,400
Flower, R. P.	2,200
Foster, Parks	3,000
French, G. W.	5,800
Frick, H. C.	10,101
*Fritz, John	7,782
Frontenac	3,282
Fryer, Robt. L.	3,000
Fulton, Robert	5,992
Gary, E. H.	10,178
Gates, J. W.	8,076
Gen. Garretson	9,800
German	3,200
Gilbert, W. H.	3,666
Gladstone	2,700
Gogebic	2,800
*Golden Age	2,800
Goulder, H. D.	10,000
Grammer, G. J.	6,412
*Granada	3,100
Gratwick, W. H.	6,600
Griffin	2,648
*Grover, M. B.	2,700
Haddington	2,500
Hand, C. C.	2,800
Hanna, D. R.	10,500
Hanna, Howard M., Jr.	8,500
Hanna, L. C.	9,750
Hanna, M. A.	6,500
Harper, John	3,100
Hart, F. W.	6,400
*Hartnell, G. E.	5,500
Hartwell, F. G.	10,000
Harvard	7,305
Harvester, The	10,000
Hawgood, H. B.	7,000
Hebard, Chas. S.	9,000
Heffelfinger, F. T.	6,800
Helena	3,100
Hemlock	7,500
Hiawatha	2,110
Hill, Jas. J.	8,104
Holden, H. S.	6,600
Holland, N. C.	1,050
*Holley, Alex.	6,011
Holmes, Edw. F.	7,300
Hoover & Mason	9,000
Houghton, D.	7,146
House, F. E.	12,000
Hoyt, James H.	5,700
Hubbard, Chas.	8,000
Hubbard, C. Russell	10,000
*Hutchinson, E. C.	1,600
Hutchinson, J. T.	5,000
Hydrus	7,000
Illinois	1,200
Indus	6,000
Ionia	2,100
Iron King	2,200
*Iron Queen	2,300
Iron Cliff	2,000
Iroquois	3,300
Ishpeming	10,000
Jenkins, Chas. O.	9,400
Jenks, J. M.	6,250
*Jenney, W. LeB.	5,991
Jones, B. F.	10,000
Jupiter	5,300
Kennedy, Hugh	10,236
Kensington	6,200
Kerr, D. G.	7,800
King, Willis L.	12,000
Kirby, S. R.	3,300
Kopp, Jacob T.	9,000
Kotcher, C. W.	7,000
*Krupp, Alfred	5,589
La Belle	9,000
Lagonda	4,900
Lansing	2,400
La Salle	2,836
Laughlin, James	10,000
Leonard, G. B.	6,000
Leopold, N. F.	9,500
Lewiston	3,000
Linn, W. R.	6,013
Livingstone, Wm.	10,500
Livingstone, Wm.	3,100
Louisiana	2,800
Lupus	6,000
Luzon	5,000
Lynch, Thomas	11,200
McDougall, Alex.	6,910
McGean, J. A.	7,500
*McGregor, W.	1,340
McIntosh, H. P.	9,800
McKee, J. A.	3,000
McKinney, Price	8,000
McWilliams, J. J.	4,900
Mack, Wm. H.	5,282
Mack, Wm. S.	5,300
*MacLachlan, Mary E.	3,000
McVittie, A.	2,100
*Magna	5,382
*Magnetic	2,800
*Maia	6,673
*Maida	6,142
*Maitland, A.	5,900
Major	3,000
Malietoa	7,625
*Malta	4,000
Manchester	3,000
*Manda	5,595
*Manila	7,876
Manola	3,164
*Marcia	3,996
Maricopa	6,221
Marina	3,122
Mariposa	4,037
Mariska	3,071
Maritana	4,067
Mars	5,300
*Marsala	7,942
*Martha	5,686
Maruba	3,189
Maryland	3,700
Masaba	3,062
Mataafa	6,971
*Matanzas	4,800
Mather, Samuel	3,462
Mather, Samuel	10,000
Mather, Wm. G.	10,000
Matoa	3,104
Matthews, W. D.	5,500
Maunaloa	7,078
Maytham, T.	3,600
Meacham, Daniel B.	10,000
Meaford	3,000
Mecosta	2,800
Mercur, Fred.	1,224
Merida	5,300

Iron Ore Carriers of the Great Lakes—Continued

Vessel.	Gross tons.
Michigan	10,000
Midland King	6,000
Midland Prince	9,000
Midland Queen	3,000
Milinokett	9,000
Miller, Leonard B.	9,000
Miller, P. P.	5,300
Mills, D. O.	10,000
Mills, Robert	2,500
Minch, Anna C.	6,400
Minch, Philip	8,200
Mitchell, Alfred	2,900
Mitchell, Samuel	3,158
Mohegan	1,675
Moll, Clifford F.	8,400
*Montezuma	5,100
Moore, John W.	3,300
*Moravia	2,100
Morgan, John P., Jr.	12,000
Morgan, J. P.	11,200
Morley, W. B.	2,500
Morrell, Danl. J.	11,800
Morrow, Joe S.	7,600
Morse, Jay C.	10,000
Morse, S. F. B.	7,459
Mount Stephen	3,500
Mullen, Martin	7,000
Munro, J. G.	10,000
Murphy	7,400
*Nasmyth, James	5,838
Neebing	3,000
Neepawah	2,700
Neilson, J. B.	2,503
Neosho	2,700
Neptune	5,300
Nettleton, A. E.	10,000
Niagara	3,100
Nicholas, I. W.	3,859
Nipigon	1,100
Noble, Benjamin	3,000
Normania	7,500
Norton, D. Z.	8,300
Nottingham, Wm.	6,000
Norwalk	1,750
Norway	9,000
Nyanza	3,300
Nye, Harold B.	5,776
Oades, John	1,911
Oceanica	2,200
Odanah	7,500
Oglebay, E. W.	5,300
Ohl, Edw. N.	8,000
Olcott, W. J.	12,000
Oliver, Henry W.	6,750
Olympia	2,800
Omaha	1,800
*117	3,135
*137	5,389
Onoko	3,358
Ontario	7,500
Orinoco	3,700
Orion	3,100
Orr, Arthur	4,000
Orr, G. N.	4,500
Osborne, F. M.	6,400
Osler, E. B.	9,000
Owen, John	3,100
Paine, Wm. A.	9,000
*Paisley	2,000
Paliki	2,200
Palmer, W. P.	12,000
Panay	5,600
Parks, Sheldon	10,000
Pathfinder	4,100
Pawnee	1,000
Peavey, F. H.	6,800
Peavey, G. W.	6,800
Peck, E. M.	3,000
*Pennington, B. L.	2,200
Penobscot	4,900
Perkins, G. W.	10,326
Perseus	8,100
Phenix	2,300
Phipps, Henry	11,200
Pickands, H. S.	1,200
Pioneer	1,746
Plankinton, John	2,750
Plummer, J. H.	1,600
Poe, Gen. O. M.	7,633
Pollock, W. G.	7,500
Polynesia	6,000
Pontiac	3,573
Pope, E. C.	4,100
Presque Island	6,258
Price, Charles S.	9,000
Princeton	7,487
Pueblo	1,800
Queen City	6,248
Ranney, Rufus P.	7,300
Ranney, R. P.	2,178
Ream, Norman B.	11,258
Reed, James H.	7,800
Rees, W. D.	5,200
Reis, Wm. E.	6,600
Reiss, John P.	9,000
Reiss, Peter	9,000
*Reliance	3,000
Rend, Wm. P.	3,300
Rensselaer	7,512
Republic	4,350
Rhodes, J. W.	7,500
Riddle, J. Q.	10,000
Robbins, F. L.	6,300
Roberts P. Jr.	12,000
Rockefeller, F.	5,108
*Roebling, John A.	7,898
Rogers, H. H.	11,200
Rogers, Wm. A.	10,000
Roman	3,062
Rosemount	2,500
Rosedale	2,300
*Roumania	2,497
Rust, D. W.	1,250
Sacramento	3,450
*Sagamore	5,800
Sahara	8,197
*Santiago	4,000
Saturn	5,300
Saunders, E. N.	6,400
Saxon	3,178
Saxona	7,008
Schiller, Wm. B.	12,000
Schlesinger, F.	3,500
Schoolcraft	1,000
Schoonmaker, Col. James M.	13,000
*Scotia	1,700
Scott, Isaac M.	9,000
Scottish Hero	3,400
Scranton, W.	6,600
Seguin	1,200
Sellwood, Joseph	9,600
Senator	5,800
Shaughnessy, Sir T.	8,500
Shaw, H. L.	7,194
Shaw, Quincy A.	9,000
Sheadle, J. H.	10,000
Shenandoah	3,450
Shenango	12,000
Sherwin, John	9,800
Siemens	6,359
Sierra	8,500
Sill, H. S.	7,000
Simla	1,500
Sinaloa	7,000
Sirius	7,000
*Smeaton, John	8,059
Smith, B. Lyman	6,400
Smith, Henry B.	10,000
Smith, H. W.	6,500
Smith, L. C.	6,500
Smith, Lyman C.	10,000
Smith, M. C.	6,000
Smith, W. L.	6,000
Snyder, Wm. P.	9,850
Snyder, Wm. P. Jr.	13,000
Socapa	9,204
Sonoma	7,000
Sonora	5,000
Squire, F. B.	6,550
Stackhouse, P.	9,750
Stadacona	8,500
Stanton, John	9,500
St. Clair	7,500
Stearn, Abraham	10,000
Steel King	6,400
Steinbrenner, H.	6,800
Stephenson, G.	6,284
Stewart, A. E.	6,000
*Stephenson, I.	1,100
Stephenson, S. M.	1,000
Stone, Amasa	9,600
Strathcona	3,000
Sullivan, J. J.	10,500
Sultana	5,000
Superior City	7,196
Sylvania	9,104
Tacoma	2,700
Taurus	7,000
Taylor, Moses	6,525
*Teutonia	1,100
*Thomas, S. G.	5,739
Thompson, A. W.	9,000
*Thompson, A. W.	4,400
Thompson, Smith	8,000
Tokio	2,500
Topeka	1,500
Tower, C.	2,700
Townsend, E. Y.	11,800
Trimble, Richard	12,000
Truesdale, Wm. H.	8,000
Turret Chief	3,100
Turret Court	3,100
*Twin Sisters	1,400
*Tyrone	4,300
Umbria	7,000
Upson, Andrew S.	7,000
Upson, J. E.	9,000
Uranus	5,300
Utley, E. H.	9,000
Van Hise, C. R.	7,372
Venezuela	3,100
Venus	5,300
Vermillion	2,700
Veronica	1,600
Verona	8,500
Victory	7,000
Volunteer	2,800
Vulcan	3,100
Wade, J. H.	2,900
Wahcondah	2,400
Wainwright	7,500
Waldo, L. C.	7,000
*Wall, Charles	1,200
Wallace, E. L.	7,300
Wallace, J. C.	10,000
Wallace, Robert	1,720
Wallula	2,700
Walsh, J. P.	8,547
Walters, Thomas	1,200
Warner, C. M.	5,500
Warner, R. S.	4,400
*Warriner, S. D.	4,400
Watson, C. W.	6,400
Watt, James	6,245
Wawatam	2,687
Wells, Frederick B.	6,800
Western Star	7,000
Westmount	3,000
Weston, Chas. A.	10,000
Wexford	3,000
Whitaker, Byron	2,000
White, Pendennis	6,600
White, Peter	9,000
Whitney, D. M.	7,000
Wickwire, Theodore H.	8,400
Wickwire, Theo. Jr.	10,000
Widener, P. A. B.	11,200
Widlar, Francis	7,000
Wilkinson, H. S.	5,500
Williams, G. F.	3,060
Wilpen	10,750
*Wilson, Annabell	1,000
Wilson, Capt. T.	6,233
Winona	3,000
Winnipeg	1,900
Wisconsin	7,000
*Witbeck, Henry	1,200
Wolf, Wm. H.	9,000
Wolf, W. H.	2,900
Wolvin, A. B.	10,000
Wood, Joseph	9,000
Wotan	1,200
Wright, A. P.	3,100
Wyoming	2,600
Yates, Harry E.	10,000
Yosemite	5,500
Yuma	4,027
Zenith City	5,735
Zimmerman, E.	8,750

Lumber Carriers of the Great Lakes.

Class.	Name of Vessel	Net Tonnage.
Str.	Adiramled	375
Schr.	Aldrich, Wm.	182
Schr.	Alice	291
Schr.	Allegheny	630
Schr.	Aloha	500
Schr.	Anderson, Alex.	728
Str.	Annie Laurie	189
Schr.	Arenac	496
Str.	Argo	490
Str.	Arizona	601
Schr.	Arendal	198
Schr.	Ashland	956
Str.	Aztec	653
Schr.	Bacon, Melvin S.	584
Schr.	Barnes, C. C.	460
Str.	Barth, L. L.	491
Schr.	Bloom, Nelson	521
Schr.	Botsford, R.	474
Schr.	Bourke, Mary N.	874
Schr.	Boyce, G. J.	303
Str.	Boyce, Isabella J.	316
Str.	Boyce, Mary H.	476
Str.	Bradley, Chas. H.	624
Schr.	Brainerd, Katie	393
Schr.	Brake, Wm.	302
Schr.	Brightie	570
Schr.	Brown, Belle	207
Schr.	Buckhout, B. B.	334
Str.	Buckley, Edward	313
Str.	Buell, F. R.	743
Str.	Burnham, George	219
Schr.	Butcher Boy	341
Schr.	Butman, Myron	403
Str.	Butters, Marshall F.	229
Schr.	Cahoon, Thomas H.	409
Str.	Canisteo	539
Str.	Carter, W. J.	191
Schr.	Case, J. I.	786
Str.	Chipman, Susie	164
Str.	Christie, T. S.	471
Schr.	City of Sheboygan.	210
Schr.	Clara	221
Schr.	Coates, L. B.	179
Str.	Coffinberry, H. D.	509
Str.	Colborn, A. R.	207
Schr.	Commodore	565
Schr.	Connelly Brothers.	694
Schr.	Cora A.	327
Schr.	Corning, Ida	422
Schr.	Corry, Mike	361
Schr.	Coyne, Emma L.	472
Schr.	Davis, Lyman M.	185
Schr.	Dayton	439
Schr.	Delaware	487
Schr.	Delta	266
Schr.	Dobbins, D. P.	425
Schr.	Donaldson	399
Str.	Donaldson, J. P.	425
Schr.	Edwards, J. R.	413
Schr.	Eleanor	400
Schr.	Elida	182
Str.	Emerald	181
Schr.	Ewen	838
Schr.	Exile	368
Schr.	Fassett, Theo. S.	521
Schr.	Favorite	434
Schr.	Fearless	156
Schr.	Filer, D. L.	339
Schr.	Fillmore, Clarence J.	389
Str.	Fisher, Erwin L.	457
Str.	Fletcher, F. W.	314
Schr.	Flint, Sam	474
Str.	Ford, J. C.	597
Schr.	Fryer, Robert L.	501
Schr.	Gawn, Thomas	522
Schr.	Genoa	694
Str.	Gettysburg	464
Str.	Gill, Alice M.	202
Schr.	Godfrey, Jeremiah.	620
Schr.	Goshawk	461
Str.	Gould, Jay	523
Schr.	Grampian	802
Schr.	Grant, Levi	194
Str.	Green, C. H.	504
Str.	Greene, M. T.	421
Schr.	Grover, Annie P.	234
Schr.	Hackley, C. H.	197
Str.	Hall, Stephen C.	342
Schr.	Halstead	471
Str.	Harlow	482
Schr.	Harold	682
Str.	Helen C.	460
Schr.	Helvetia	753
Str.	Hines, L. Edward.	790
Schr.	Holland, Grace	597
Schr.	Holland, N. C.	536
Str.	Holland, Robert	339
Schr.	Holmes, J. A.	159
Str.	Huron City	277
Schr.	Hutchinson, Emma.	699
Schr.	Interlaken	538
Schr.	Iron City	615
Schr.	Jackson, Geo. K.	380
Schr.	Jenness, B. W.	339
Schr.	Jones, Chester B.	470
Schr.	Joses	114
Schr.	Judd, E. T.	369
Str.	Junior	310
Str.	Kalkaska	555
Schr.	Keith, Ida	465
Str.	Kendall, Harvey J.	264
Schr.	Ketcham, James L.	393
Str.	Ketcham, J. B. No. 2	779
Schr.	King, C. G.	432
Str.	King, George	380
Schr.	Kitchen, J. B.	272
Str.	Kongo	482
Schr.	Lake Forest	273
Str.	Langell Boys	286
Str.	Langell, Simon	677
Schr.	Lozen, J. B.	538
Schr.	Luckey, A. W.	292
Str.	McGregor, Mary A.	581
Schr.	McGregor, Wm.	696
Schr.	McWilliams, Ed.	706
Str.	Markham, George C.	249
Str.	Marshall, A. M.	987
Str.	Marshall, Maggie	279
Schr.	Marsh, Geo. A.	204
Str.	Marshall, Samuel	649
Schr.	Marvin, Selden E.	587
Schr.	Mead, J. H.	388
Schr.	Mee, John	189
Schr.	Melbourne	485
Schr.	Melvina	257
Schr.	Merrill, Julia B.	180
Str.	Miami	197
Schr.	Middlesex	587
Str.	Mills, D. W.	654
Schr.	Minch, Sophia J.	603
Schr.	Minerva	211
Schr.	Mingoe	681
Schr.	Miztec	738
Str.	Mohegan	1014
Schr.	Montana	336
Schr.	Moore, W. K.	588
Schr.	Mowatt, James	497
Str.	Mueller	455
Str.	Myron	414
Schr.	Nau, Libbie	198
Str.	Neff, M. C.	210
Str.	Neff, Sidney O.	388
Str.	Nessen, N. J.	319
Schr.	Newland, J. B.	149
Str.	Niko	658
Str.	Nipigon	540
Schr.	Norris, Alice B.	596
Str.	Norwalk	881
Schr.	Oakleaf	375
Str.	Ogemaw	325
Schr.	Oneida	190
Schr.	Orton, Minnie E.	410
Str.	Oscoda	345
Schr.	Our Son	684
Schr.	Owen, George B.	706
Schr.	Page, Marion W.	620
Str.	Parks, O. E.	289
Str.	Pawnee	475
Schr.	Pendell, Dorcas	389
Schr.	Peshtigo	573
Str.	Peters	768
Schr.	Peterson, Annie M.	599
Schr.	Plymouth	739
Str.	Portage	940
Str.	Prentice, James H.	398
Str.	Pringle, John C.	389
Schr.	Quickstep	268
Str.	Ralph, P. J.	658
Schr.	Ralston, Jane	247
Schr.	Rawson, Levi	343
Schr.	Redington, Nellie	775
Schr.	Redfern, C. E.	646
Schr.	Resumption	278
Str.	Rhoda Emily	416
Schr.	Rhodes, D. P.	891
Str.	Runnels, H. E.	629
Str.	Sachem	542
Str.	Sawyer, Philetus	308
Str.	Sawyer W. H.	581
Str.	Schooleraft	595
Str.	Schroeder, John.	267
Schr.	Scotia	858
Str.	Scott, Thos. R.	212
Str.	Shores, E. A. Jr.	396
Str.	Shrigley, James H.	364
Str.	Sicken, M.	168
Str.	Smith, Edward.	523
Str.	Smith, Lillie	188
Str.	Soper, Albert	268
Str.	Spalding, Jesse.	856
Schr.	Stafford	189
Str.	Stafford, W. R.	398
Str.	Starke, C. H.	266
Str.	Stephenson, I. W.	501
Str.	Stephenson, S. M.	495
Schr.	Stewart, A.	511
Schr.	Sweetheart	512
Schr.	Taber, Horace	255
Str.	Tempest No.	
Schr.	Teutonia	564
Str.	Thompson, Emma E.	198
Schr.	Tilden, S. J.	582
Str.	Toltec	621
Schr.	Troy	462
Schr.	Tuxbury, A. C.	645
Schr.	Tyson, Emma E.	338
Schr.	Unadilla	376
Str.	Vail, Walter	641
Str.	Viking	943
Schr.	Wall, Charles	597
Str.	Warren, Homer.	281
Str.	Wente, Robert C.	267
Str.	Wescott, J. W.	451
Str.	Weston	269
Schr.	White & Friant.	299
Schr.	Williams, Ellen.	240
Str.	Wilson, Matthew.	243
Str.	Winnipeg	1000
Schr.	Woolson, Mary	673
Str.	Wotan	712
Schr.	Wright, A. W.	507
Schr.	Zapotec	796
Str.	Zillah	583

Ship Masters' Association of the Great Lakes.

A BENEFICIAL ORGANIZATION THAT INCLUDES AMONG ITS MEMBERSHIP ABOUT 1,000 CAPTAINS OF THE PRINCIPAL LAKE VESSELS.

NAMES AND ADDRESSES OF OFFICERS AND MEMBERS.

GRAND LODGE OFFICERS, 1913.

Grand President, Millard M. Stewart; Grand First Vice President, Charles Autterson; Grand Second Vice President, M. F. Morgan; Grand Treasurer, H. A. Murphy, 119 Carolina st., Ogdensburg, N. Y.; Grand Financial Secretary, J. A. Holmes, 307 Superior ave., Cleveland; Grand Chaplain, A. Swenson; Grand Marshal, A. McMauch; Grand Warden, A. R. Morse; Grand Sentinel, R. Warner; 1st Past Grand President, Alex Clark; 2d Past Grand President, C. E. Benham; 3d Past Grand President, Geo. McCullagh; 4th Past Grand President, W. E. Rice; 5th Past Grand President, Henry Leisk; 6th Past Grand President, A. J. McKay; 7th Past Grand President, C. H. Hubbard; 8th Past Grand President, J. A. Ward; 9th Past Grand President, W. D. Hamilton; 10th Past Grand President, H. H. Parsons; 11th Past Grand President, J. A. Calbick; 12th Past Grand President, W. D. Ames; 13th Past Grand President, M. G. McIntosh; 14th Past Grand President, John H. McDonald; 15th Past Grand President, John H. Sinclair; 16th Past Grand President, James G. Herbert; 17th Past Grand President, C. T. Bronson.

ADDRESSES OF SECRETARIES.

Lodge No. 1, Chas. McMillan, 195 S. Elmwood ave., Buffalo, N. Y.; Lodge No. 2, S. M. Sinclair, 2037 Military st., Port Huron, Mich; Lodge No. 3, C. H. Hubbard, pro tem, 504 Federal Bldg., Chicago, Ill.; Lodge No. 4, J. A. Holmes, 307 Superior ave., Cleveland, O.; Lodge No. 6, John McSweeney, 459 Maryland ave., Milwaukee, Wis.; Lodge No. 7, Charles G. Merckel, 122 Stanton st., Detroit, Mich.; Lodge No. 8, C. E. Cottrell, Elizabeth st., Marine City, Mich.; Lodge No. 9, E. G. Ashley, 207 Chamber of Commerce, Toledo, O.; Lodge No. 10, M. A. Leonard, 416 Ford st., Ogdensburg, N. Y.; Lodge No. 11, S. H. Smith, Algonac, Mich.; Lodge No. 12, Albert Swenson, Hydrographic Office, Duluth, Minn.; Lodge No. 14, Frank Meno, 402 Thorn Apple st., St. Clair, Mich.; Lodge No. 15, N. McKay, Owen Sound, Ont.

ASSOCIATION HEADQUARTERS.

Lodge No. 1, Buffalo, N. Y., Rooms 35-37 Chapin Blk., W. Swan st.; No. 2, Port Huron, Mich., Jenkinson Block, Military and Water sts.; No. 3, Chicago, Ill., 411 Northwestern bldg.; No. 4, Cleveland, O., cor. Superior and West Third st.; No. 6, Milwaukee, Wis., 505-506 Chamber of Commerce; No. 7, Detroit, Mich., Biddle House block, 234 Jefferson ave.; No. 8, Marine City, Mich., Zimmerman blk., cor. Jefferson and Water st.; No. 9, Toledo, O., 207 Chamber of Commerce bldg.; No. 10, Ogdensburg, N. Y., 41 Ford st.; No. 11, Algonac, Mich., J. P. Stewart bldg.; No. 12, Twin Ports Lodge, Duluth, Minn., 1001 Torrey bldg.; No. 14, St. Clair, Mich., not yet selected; No. 15, Owen Sound, Ont., not yet selected.

MEMBERS.

Abel, Wm., Queen st., Port Dalhousie, Ont.
Ackerman, J. C., 408 E. Ludington ave., Ludington, Mich.
Acton, Joseph R., 22 Lytle ave., Buffalo, N. Y.
Adams, Joseph, 136 Clinton st., Alpena, Mich.
Ainsworth, Chas., Port Wing, Wis.
Ackers, E. C., 817 Park st., Port Huron, Mich.
Albinson, C. R., Courtright, Ont.
Alexander, Algie, Kewanee, Wis.
Alexander, Robert, Mooretown, Ont.
Allen, C. L., 4712 Clinton ave., Cleveland, O.
Allen, M. G., 1608 Crawford rd., Cleveland, O.
Allen, Sam'l C., 1403 W. 65th st., Cleveland O
Allen, W. A., Walkerville, Ont.
Ames, Augustus, Algonac, Mich.
Ames, C. M., 963 W. 4th st., Erie, Pa.
Ames, F. C., 302 Hendrie ave., Detroit, Mich.
Ames, Geo. W., 11810 Chesterfield st., Cleveland, O.
Ames, Wm. D., 15514 Detroit st., Lakewood, O.
Ames, Wm. J., P. O. Box 268, Algonac, Mich.
Anderholt, L. P., 137 Blaine ave., Detroit, Mich.
Anderson, Alex. A., 3037 Clifton ave., Chicago, Ill.
Anderson, Chas. A., 1369 Bonny View ave., Lakewood, O.
Anderson, E. B., 1195 3d ave. E., Owen Sound, Ont.
Anderson, Gus E., 901 34th st., Milwaukee, Wis.
Anderson, Herbert, E., 9 W. Maple st., Chicago, Ill.
Anderson, Jos., 7108 W. Clinton ave., Cleveland O.
Anderson, M., 1064 E. 99th st., Cleveland, O.
Anderson, O. N., Box 254, Milwaukee, Wis.
Anderson, Peter A., 1356 Bonny View ave., Lakewood, O.
Anderson, Sig., care W. E. Holmes, 1049 Ins. Exchange, Chicago, Ill.
Anderson, S. V., 33 State st., Ogdensburg, N. Y.
Anderson, Wm., Room 812 175 W. Jackson blvd., Chicago, Ill.
Apsey, Arthur W., 45 Harvard pl., Buffalo, N. Y.
Archer, A. A., 177 Dragon ave., Detroit, Mich.
Armstrong, B., 669 Sheridan ave., Detroit, Mich.
Ashley, E. G., 207 Chamber of Commerce, Toledo, O.
Ashley, W. A., care Vance & Joys, Milwaukee, Wis.
Atken, H. J., Courtright, Ont.
Atkinson, C. L., 280 King ave., Detroit, Mich.
Atkinson, George, Algonac, Mich.
Autterson, Charles, 234 Jefferson ave., Detroit, Mich.
Autterson, John, 316 Trumble st., St. Clair, Mich.
Autterson, J. W., 402 Trumble st., St. Clair, Mich.

Bailey, F. A., Vermilion, O.
Bailey, Robt. N., Hicks and Clinton sts., Toledo, O.
Bain, A. J., 111 Pelissier st., Windsor, Ont.
Baird, John D., Marine City, Mich.
Baker, Burton S., 328 Van Dyke ave., Detroit, Mich.
Baker, H. W., 601 Baker st., Detroit, Mich.
Balfour, C. C., 897 Third ave., Detroit, Mich.
Ballentine, E. D., 1440 6th st., Port Huron, Mich.

Banker, Geo. H., 1325 E. 124th pl., Cleveland, O.
Barclay, John, 380 Hudson st., Buffalo, N. Y.
Barnes, C. E., Otter Lake, Mich.
Barrett, N., 835 15th st. E., Owen Sound, Ont.
Bartel, A. E., 214 N. Canal st., Chicago, Ill.
Bartel, M. J., Central Hotel, 1000 Superior ave., Cleveland, O.
Baxter, John L., 926 4th ave. W., Owen Sound, Ont.
Beall, A. R., 532 East 124th st., Cleveland, O.
Beattie, Henry, Box 614, Marine City, Mich.
Beauvais, Harry L., 1294 Seminole ave., Detroit, Mich.
Beggs, Thomas, 1467 Olivewood ave., Lakewood, O.
Bell, Geo. A., Vermilion, O.
Bell, Joseph, 524 Bell ave., Marine City, Mich.
Benham, C. E., 36 Commercial Bank bldg., Cleveland, O.
Benham, Chas. A., 2119 W. 98th st., Cleveland, O.
Benham, G. E., 2054 W. 100th st., Cleveland, O.
Benham, W. P., 11108 Detroit ave., Cleveland, O.
Bennett, Charles D., 400 Massachusetts st., Buffalo, N. Y.
Bennett, G. J., Bailey's Harbor, Wis.
Bennett, Henry, 642 Madison ave., Milwaukee, Wis.
Bennett, J. S., Upper Flat, 235 Broad st., Tonawanda, N. Y.
Benson, Dan, care Brown & Co., Buffalo, N. Y.
Berentsen, Jacob, care W. E. Holmes, 1049 Ins. Exchange bldg., Chicago, Ill.
Bernard, Edward F., Box 35, Marysville, Mich.
Berrow, J. D., R. F. D. No. 5, Box 37, Cullman, Ala.
Bertrand, Frank, 1176 15th st., Detroit, Mich.
Birmingham, James, Geneva, O.
Black, Wm. A., 1436 W. 74th st., Cleveland, O.
Blattner, W. H., 4407 Prospect ave., Cleveland, O.
Boggan, Moses, 118 Carolina st., Buffalo, N. Y.
Booth, Wm. H., R. F. D. No. 2, Marine City, Mich.
Bough, Chas., 1 John st., Oswego, N. Y.
Bouille, David, 3304 Marvin ave., Cleveland, O.
Bouille, Pierre, 3304 Marvin ave., Cleveland, O.
Bourassa, Joseph, 107 Blanch st., Houghton, Mich.
Boyce, H. M., 631 Superior st., Milwaukee, Wis.
Bradshaw, J. L., 1013 Lincoln ave., Port Huron, Mich.
Brady, Thos. J., 147 Lothrope ave., Detroit, Mich.
Brant, August, care Kelley Island L. & T. Co., Cleveland, O.
Bright, Wm. T., 2707 N. Whipple st., Chicago, Ill.
Brines, Jesse M., 415 Cass st., St. Clair, Mich.
Brines, Samuel, 804 Clinton ave., St. Clair, Mich.
Brion, Jas. W., 713 Perry-Payne bldg., Cleveland, O.
Broadbridge, A. T., 318 Vinewood ave., Detroit, Mich.
Broderick, Benjamin, 565 Forest ave., Buffalo, N. Y.
Bronson, Chas. T., U. S. S. Hyacinth, Milwaukee, Wis.
Brooks, Walter M., Pt. Capt., 141 Milk st., Boston, Mass.
Brooks, William H., 57 Royal ave., Buffalo, N. Y.
Brower, Harry, 111 5th ave. E., Ashland, Wis.
Brown, C. T., Delray, Fla.
Brown, Chas. D., 715 Ontario st., Port Huron, Mich.
Brown, Claud D., care Brown & Co., Buffalo, N. Y.
Brown, F. H., 7004 Frankiln ave., Cleveland, O.
Brown, Hector, 368 N. Elizabeth st., Marine City, Mich.
Brown, Nelson, R. F. D. No. 4, St. Clair, Mich.
Brownell, E. H., 666 Dover st., Milwaukee, Wis.
Brownell, J. A., 600 Delaware ave., Milwaukee, Wis.
Brownell, S., 598 Delaware ave, Milwaukee, Wis.
Bryan, W. P. G., 17 Elizabeth st., Ogdensburg, N. Y.
Buchanan, Duncan, 322 N. Clark st., Ashland Hotel, Chicago, Ill.
Buchanan, James, 3302 Denison ave, Cleveland, O.
Buckley, J., 48 Mariner st., Buffalo, N. Y.
Budd, Melvin A., 349 West 7th st., Erie, Pa.
Buie, Daniel, 433 Sixtieth st., Englewood, Ill.
Burk, Joseph C., 314 Cass st., St. Clair, Mich.
Burke, Enos J., 415 Wabash ave., Detroit, Mich.
Burke, Stephen W., Hayward, Cal.
Burnham, Geo. H., 207 Chamber of Commerce, Toledo, O.
Burns, George C., 298 Field ave., Detroit, Mich.
Burns, James, 468 Elk st., Buffalo, N. Y.
Burns, John, 1017 8th st., Port Huron, Mich.
Burns, John J., 288 14th st., Buffalo, N. Y.
Burns, T. C., 1843 W. 50th st., Cleveland, O.
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Smith, Wm. T., 1395 Jefferson St., Buffalo, N. Y.
Snow, Fred, Ludington, Mich.
Southgate, James A., 2532 Detroit Ave., Cleveland, Ohio.
Sparling, E. W., Collingwood, O.
Speir, James, Lapeer, Mich.
Speir, R. C., Eight and Berney Sts., Bay City, Mich.
Spence, E. H., Sarnia, Ont.
Spencer, W. C., 208 Sydenham St., Kingston, Ont.
Squier, Guy, Imlay City, Mich.

Stater, N. P., Bay City, Mich.
Steadley, F. A., 36 Collingwood Ave., Detroit, Mich.
Steen, Wm., West Park, O.
Stein, Fred, Sandusky, O.
Stevens, John J., Conneaut, O.
Stevenson, O. P., 2015 Summitt St., Toledo, O.
Stevenson, Oscar, 1011 Gratiot Ave., Detroit, Mich.
Stewart, A. P., Algonac, Mich.
Stewart, Robt. C., 104 Lakeview Ave., Buffalo, N. Y.
Stillson, C. A., Morrisburg, Ont.
Stoeber, F. C., E. Springfield, Pa.
Stone, Harry, Marine City, Mich.
Stone, Henry, 9534 Laird Ave., Cleveland, O.
Strable, Wm., 6308 Ellen Ave., Cleveland, O.
Strombler, George, Algonac, Mich.
Suckow, George, care Goodrich Transit Co., Chicago, Ill.
Sutherland, John, Sault Ste. Marie, Ont.
Sutherland, W. F., Saginaw, Mich.
Sutliff, Richard, 26 Lawrenz Ave., Detroit, Mich.
Sylvester, Charles, Ludington, Mich.
Sylvester, George, Harwich, Ont.
Sylvester, S. M., Conneaut, O.
Swan, A., Sawyer, Wis.
Switzer, K. W., care D. & C. Navigation Co., Detroit, Mich.

Tait, Robert, 190 Grange Ave., Toronto, Ont.
Tapping, John, Deseronto, Ont.
Taylor, J. W., Midland, Ont.
Taylor, R., 90 Lower Bagot, Kingston, Ont.
Taylor, W. H., 156 Rideau St., Kingston, Ont.
Taylor, Wm. F., 34 Milwaukee Ave., Detroit, Mich.
Tetro, Michael, Kingston, Ont.
Tesser, James, Sheboygan, Wis.
Thereault, F. Lanzon, Que.
Thomas, Frank, Box 266, Algonac, Mich.
Thompson, Andy, Port Huron, Mich.
Thompson, W. H., Ogdensburg, N. Y.
Thomson, Wm. C., Ogdensburg, N. Y.
Thurman, F., Broad St., Tonawanda, N. Y.
Tilton, Geo. M., 187 Fargo Ave., Buffalo, N. Y.
Timleck, Chas., 4711 Franklin Ave., Cleveland, O.
Timlin, Thomas, Morton, Ont.
Tomey, Wallace, Dover Ave., Cleveland, O.
Toutant, A., care Ottawa River Nav. Co., Ottawa, Ont.
Treleaven, George, 2337 Stone St., Port Huron, Mich.
Trinkwalder, Frank, N. Tonawanda, N. Y.
Trouton, Geo., 45 Woodlawn Ave., Buffalo, N. Y.
Turnbull, George, 4609 Clinton Ave., Cleveland, O.
Turner, A. W., Richmond, Mich.
Tuttle, Geo., Kingston, Ont.
Tyler, Chas., R. F. D. 6, Box 41, Ashtabula, O.
Tweedy, William, Sarnia, Ont.

Urquhart, William, 13 Westmoreland Ave., Toronto, Ont.

Vallance, Robert, Ogdensburg, N. Y.
Veech, R. H., Garden Island, Ont.
Verstratew, Frank, Erie, Pa.
Vesina, Dosithe, Champlain, P. Q.
Vieau, Fred, Elk Rapids, Mich.
Vollans, E. T., Port Burwell, Ont.
Vollmer, Wm., 1400 Germania St., Saginaw, Mich.

Walley, L., 3800 W. 31st St., Cleveland, O.
Ward, Anthony, Lorain, O.
Ward, Arthur, Port Huron, Mich.
Ward, John, 300 Sheridan Ave., Detroit, Mich.
Ward, Thomas, Marine City, Mich.
Waugh, Wm., Port Huron, Mich.
Webber, Ed., Sturgeon Bay, Wis.
Wehmer, Ed., Port Huron, Mich.
Weigandt, Ralph, 360 Baldwin Ave., Detroit, Mich
Welch, Maurice, Sault Ste. Marie, Mich.
Welch, John, Grand Haven, Mich.
Welch, Pat., 963 Lafayette Ave., Buffalo, N. Y.
Welsh, H. W., Berkley St., Toronto, Ont.
Welsh, Thomas, Port Huron, Mich.
Wellhausen, John, Marine City, Mich.
Wellman, J. B., 307 East No. Water St., Chicago, Ill.
Westrick, J. E., St. Clair, Mich.
Wetzel, F., Walker St., Milwaukee, Wis.
Whalen, L., Kingston, Ont.
Whelan, Richard, 726 Sheridan St., Saginaw, Mich.
Whipps, William, Collingwood, Ont.
White, Arthur, 327 Seaton St., Toronto, Ont.
Wilcox, A. W., 843 Greenwood Terrace, Chicago, Ill.
Williams, A. P., 307 East No. Water St., Chicago, Ill.
Williams, George E., care Chicago, Racine & Milwaukee Line, Chicago, Ill.
Williams, L., Wiarton, Ont.
Wills, George H., Spring Lake, Mich.
Wilson, Chas., 93 Triangle St., Buffalo, N. Y.
Wilson, Fred, Collingwood, Ont.
Wilson, George, Midland, Ont.
Wilson, James, Sarnia, Ont.
Wilson, Wm., 512 Perry St., Buffalo, N. Y.
Wiltson, H., 976 Lafayette Ave., Buffalo, N. Y.
Winkler, Richard, Third St., Manistee, Mich.
Winnie, 610 Utah St., Toledo, O.
Winter, George, 404 32nd Ave., Milwaukee, Wis.
Wirth, Anton, 627 Tower Ave., Superior, Wis.
Wise, John, 311 Hudson St., Buffalo, N. Y.
Wolvin, Chas., St. Clair, Mich.
Wood, Abe, 177 Victoria St., Buffalo, N. Y.
Wood, Raymond, Alexandria Bay, N. Y.
Woodhall, O. S., Webster, N. Y.
Woodruff, M. D., Saugatuck, Mich.
Woodruff, Walter P., Ashtabula, O.
Wood, H. D., 5219 E. Superior, Duluth, Minn.
Woods, H. A., Marine City, Mich.
Woodward, A. J., 111 Grace St., Toronto, Ont.
Worth, Antone W., W. Superior, Wis.
Wrathwell, R. H., Port Huron, Mich.
Wright, A. C., 311a Kirby Ave. E., Detroit, Mich.
Wright, A. R., 1918 Carter Road, Cleveland, O.
Wright, Wm., Collingwood, Ont.
Wurtz, Joseph H., 212 Belinda St., Bay City, Mich.

Young, H. Whitby Bay, Eng.
Young, James, Goderich, Ont.

Zietsch, R., care Goodrich Transit Co., Chicago, Ill.
Zuehlke, Wm., Route No. 2, New Haven, Mich.

Wrecking Companies of the Great Lakes.

Their Facilities.

Amherstburg, Ont.: Great Lakes Towing Co. has large tug and steel lighter Rescue, with pumps, air compressor and other equipment at this point.

Amherstburg, Ont.: Hackett Tug Line, F. B. Hackett, manager—Tugs Home Rule and S. J. Christian; also steam pumps, diving rigs, syphons, hawsers, canvas jackets, etc.

Buffalo, N. Y.: Hand & Johnson Tug Line—Large fleet of tugs; lighters; pumps, syphons, hawsers and divers.

Chicago, Ill.: Dunham Towing & Wrecking Co.—Large fleet of tugs; pumps include one 14-inch Worthington, one 12-inch rotary, one 8-inch centrifugal; diving rigs, hawsers, syphons, etc.

Cleveland, O.: Great Lakes Towing Co.—Large fleet of tugs, scows, blocks, chains, etc.; one 14-inch and one 11-inch Worthington pump; one 14-inch and one 11-inch centrifugal pump; two 6-inch syphons. This company's equipment at Cleveland is, of course, available for Fairport, Ashtabula, Conneaut, Erie, Huron, Sandusky and other points on Lake Erie, in addition to the harbor tugs to be found at all these places.

Detroit, Mich.: Great Lakes Towing Co.—Covering all points; Lake Huron and Lake Michigan. Large tugs and the large lighters Newman and Rescue, one below and one above Detroit, for work at American and Canadian waters are stationed at this point, being especially designed as wrecking vessels. These lighters are of 1,500 tons capacity and are equipped with 6-ton McMyler derrick with three clam shell buckets, air compressor, pneumatic tools, hawsers, diving outfit, etc. Pumps available at this point include one 12-inch rotary, one 8-inch and two 6-inch centrifugal and syphons.

Detroit, Mich.: Harris W. Baker—Wrecking steamer T. W. Snook; eight pumps, all of large size, four of which are centrifugal and four rotary; eight hydraulic jacks; four diving outfits, dynamite outfit, etc.

Duluth, Minn.: Union Towing & Wrecking Co.—Large fleet of tugs; one 12-inch rotary pump, one 12-inch Worthington; diving rig, hawsers, etc.

Kingston, Ont.: The Calvin Co., Ltd.—Tugs W. Johnston and Frontenac with derricks for handling pumps; also fitted with powerful steam winches and wires for releasing vessels stranded in swift water; light draught side-wheel steamers Cornwall and Parthia, each provided with steam hoists; three 12-in. rotary pumps, one 10-in. centrifugal pump, diving equipment, hawsers, wires, jacks, chains, purchase blocks, etc.

Kingston, Ont.: Donnelly Salvage & Wrecking Co.—Side-wheel steamer Donnelly and screw steamer Lloyd's, with lighterage capacity of 300 tons; two lighters of 750 tons each, fitted with steam winches and all facilities for handling cargo quickly; eight steam pumps, five of which are rotaries, two of which are piston pump, and one a cataract coal pump; also necessary screw jacks and chains for deep water work.

Midland, Ont.: Midland Towing & Wrecking Co. (James Playfair)—Tugs Traveler, Premier, Magnolia, and a lighter of 600 tons capacity; one 10-inch centrifugal pump, one 6-inch centrifugal, one 12-inch rotary; two Worthington pumps, one 14-inch and one 12-inch; one 11-inch hawser and other lines; diving rig, jacks, etc.

Milwaukee, Wis.: Milwaukee Tug Boat Line—Welcome and other tugs; 2-9 inch Worthington, 1-14 inch Centrifugal, 1-10 inch Centrifugal; lighters, diving rig, hawsers.
Newman and large tug.

Oswego, N. Y.: South Shore Wrecking Co., W. D. Allen, superintendent—Lighter of 100 tons capacity; two centrifugal pumps, one 6-in. and one 10-in.; hawsers of 9 and 10 in. diameter; hoisting engine and buckets, diving apparatus with divers.

Port Huron: Great Lakes Towing Co.—Lighter Newman and large tug.

Sarnia, Ont.: The Reid Wrecking Co., Ltd.—Tugs James Reid, J. M. Diver, S. M. Fischer and Sarnia City. Wrecking steamer Manistique with clam for lightering and complete wrecknig outfit.

Sault Ste. Marie, Mich.—Thompson's Towing & Wrecking Ass'n. Tugs, S. C. Schenck, L. C. Sabin, B. B. Inman, C. L. Boynton, M. F. Merrick, C. D. Thompson, Lgt. Reliance, 3,000 tons. capacity, with 10-ton revolving derrick, three clam shell buckets, eight Lge. wrecking pumps, three 6-inch syphons, five wrecking boilers, ten hydraulic jacks, air compressors, pneumatic tools, diving rigs, hawsers, etc., etc.

South Chicago: Great Lakes Towing Co.—Five large tugs and wrecking equipment at Chicago.

Straits of Mackinac: Great Lakes Towing Co.—New wrecking steamer Favorite, the most powerful and complete wrecking steamer in the world, at this point in the fall, and at Pt. Huron in summer.

Sturgeon Bay, Wis.: Leatham & Smith Towing and Wrecking Co.—Tugs Smith, John Leatham, J. W. Bennett and Kate Williams; 3 centrifugal pumps, two 12-inch, one 8-inch; diving rig, hawsers, etc.

Toledo, O.: The DoVille Lake Sand & Gravel Co., R. E. DoVille, Mgr.; S. P. Gisel, Secretary.—Four screw wheel propelling boats of 160 to 400 tons lightering capacity equipped with centrifugal pumps.

Toledo, O.: Great Lakes Towing Co.—Four tugs at this point are well suited to wrecking and can readily secure pumps and other appliances.

Time and Distance Tables for Lake Ships.

Ready Reference.

Refer to the first table. Distance from the Sault to Duluth (see first column) is 395 miles. A ship making 8 miles an hour (see second column) would cover this distance in 49 hours 25 minutes; at 9 miles an hour in 43 hours 50 minutes, and so on up to 15 miles an hour, at which speed the distance would be covered in 26 hours 15 minutes. This is the scheme of all the tables.

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From THE "SOO" To	Distance Statute Miles	8 Miles per Hour	9 Miles per Hour	10 Miles per Hour	11 Miles per Hour	12 Miles per Hour	13 Miles per Hour	14 Miles per Hour	15 Miles per Hour
		Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.
White Fish Point	40	5—00	4—25	4—00	3—40	3—20	3—05	2—50	2—40
Munising	130	16—15	14—25	13—00	11—45	10—50	10—00	9—20	8—40
Marquette	159	19—50	17—40	16—00	14—25	13—15	12—15	11—20	10—35
Portage Entrance	207	25—50	23—00	20—40	18—50	17—15	16—00	14—45	13—50
Hancock	222	27—45	24—40	22—10	20—10	18—30	17—05	15—50	14—50
Port Arthur	273	34—10	30—20	27—20	24—50	22—45	21—00	19—30	18—10
Ashland	349	43—40	38—45	35—00	31—45	29—05	26—50	25—00	25—15
Two Harbors	371	46—25	41—15	37—05	33—45	31—00	28—30	26—30	24—45
Duluth	395	49—25	43—50	39—30	36—00	33—00	30—25	28—15	26—15
Detour	48	6—00	5—20	4—50	4—20	4—00	3—40	3—25	3—10
Port Huron	270	33—45	30—00	27—00	24—35	22—30	20—45	19—20	18—00
Detroit	332	41—30	37—00	33—10	30—10	27—40	25—30	23—40	22—10
Toledo	389	48—40	43—15	39—00	35—25	32—25	30—00	27—45	26—00
Sandusky	405	50—40	45—00	40—30	36—50	33—45	31—10	29—00	27—00
Huron	409	51—10	45—25	41—00	37—10	34—05	31—25	29—10	27—10
Lorain	419	52—25	46—35	42—00	38—05	35—00	32—10	30—00	28—00
Fairport	456	57—00	50—40	45—35	41—25	38—00	35—05	32—35	30—25
Ashtabula	481	60—10	53—30	48—05	43—45	40—05	37—00	34—20	32—05
Conneaut	494	61—45	55—00	49—25	45—00	41—10	38—00	35—15	33—00
Erie	522	65—15	58—00	52—10	47—35	43—30	40—10	37—15	34—50
Buffalo	590	73—45	65—35	59—00	53—40	50—00	45—25	42—10	40—00
Milwaukee	348	43—30	38—40	34—50	31—40	29—00	26—45	24—50	23—10
Chicago	414	51—45	46—00	41—25	37—40	34—30	32—00	29—35	27—35
South Chicago	422	52—45	46—50	42—10	38—20	35—10	32—25	30—10	28—10
From CLEVELAND To									
Buffalo	175	21—50	19—25	17—30	16—00	14—35	13—25	12—30	11—40
Erie	103	12—50	11—25	10—20	9—20	8—35	8—00	7—20	6—50
Conneaut	74	9—15	8—15	7—25	6—45	6—10	5—40	5—15	5—00
Ashtabula	61	7—35	6—45	6—05	5—30	5—05	4—40	4—20	4—05
Fairport	34	4—15	3—45	3—25	3—05	2—50	2—35	2—25	2—15
Lorain	30	3—45	3—20	3—00	2—45	2—30	2—15	2—10	2—00
Huron	48	6—00	5—20	4—50	4—20	4—00	3—40	3—25	3—10
Sandusky	57	7—10	6—20	5—40	5—10	4—45	4—20	4—05	3—50
Toledo	99	12—25	11—00	10—00	9—00	8—15	7—35	7—05	6—35
Detroit	107	13—25	12—00	10—40	9—45	9—00	8—15	7—40	7—10
Port Huron	169	21—10	18—45	17—00	15—20	14—05	13—00	12—05	11—15
Mackinaw	414	51—45	46—00	41—25	37—40	34—30	32—00	29—35	27—35
"Soo"	439	54—50	48—50	44—00	40—00	36—35	33—45	31—20	29—15
Escanaba	548	68—30	61—00	54—50	49—50	45—40	42—10	39—10	36—30
Sheboygan	626	78—15	69—30	62—35	57—00	52—10	48—10	44—45	41—45
Manitowoc	606	75—50	67—20	60—35	55—05	50—30	46—35	43—20	40—30

From CLEVELAND To	Distance Statute Miles	8 Miles per Hour	9 Miles per Hour	10 Miles per Hour	11 Miles per Hour	12 Miles per Hour	13 Miles per Hour	14 Miles per Hour	15 Miles per Hour
		Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.
Milwaukee	672	84—00	74—45	67—10	61—05	56—00	51—40	48—00	44—50
Chicago	738	92—15	82—00	73—50	67—05	61—30	56—45	52—45	49—10
South Chicago	746	93—15	83—00	74—35	67—50	62—10	57—20	53—20	49—45
Marquette	598	74—45	66—25	59—50	54—20	49—50	46—00	42—45	39—50
Munising	569	71—05	63—10	57—00	51—45	47—25	43—45	40—40	38—00
Hancock	661	82—40	73—25	66—05	60—05	55—05	50—50	47—10	44—05
Port Arthur	712	89—00	79—05	71—10	64—45	59—20	54—50	50—50	47—30
Ashland	788	98—30	87—30	78—50	71—40	65—45	60—35	56—15	52—30
Two Harbors	810	101—15	90—00	81—00	73—40	67—30	62—15	57—50	54—00
Duluth	834	104—15	92—40	83—25	75—50	69—30	64—10	59—35	55—35
Green Bay	612	76—30	68—00	62—10	55—40	51—00	47—05	43—45	40—50
From DETOUR To									
Port Huron	222	27—45	24—25	22—10	20—10	18—30	17—05	15—50	14—50
Detroit	284	35—30	31—35	28—25	25—50	23—40	21—50	20—15	19—00
Toledo	341	42—35	37—50	34—05	31—00	28—25	26—15	24—20	22—45
Sandusky	357	44—40	39—35	35—40	32—25	29—45	27—25	25—30	23—50
Huron	362	45—15	40—15	36—10	33—00	30—10	27—50	25—50	24—10
Lorain	371	46—20	41—15	37—05	33—45	31—00	28—30	26—30	24—45
Cleveland	391	48—50	43—25	39—05	35—30	32—35	30—05	28—00	26—05
Fairport	408	51—00	45—20	40—50	37—05	34—00	31—25	29—10	27—10
Ashtabula	433	54—10	48—05	43—20	39—20	36—05	33—15	31—00	28—50
Conneaut	446	55—45	49—35	44—35	40—30	37—10	34—20	31—50	29—45
Erie	474	59—15	52—40	47—25	43—05	39—30	36—25	33—50	31—35
Buffalo	542	67—45	60—10	54—10	49—15	45—10	41—40	38—50	36—10
Escanaba	176	22—00	19—35	17—35	16—00	14—40	13—30	12—35	11—45
Milwaukee	300	37—30	33—20	30—00	27—15	25—00	23—05	21—25	20—00
Chicago	366	45—45	40—40	36—35	33—15	30—30	28—10	26—10	24—25
South Chicago	374	46—45	41—35	37—25	34—00	31—10	28—45	26—45	25—00
From PORT HURON To									
Detroit	62	7—45	6—50	6—10	5—40	5—10	4—45	4—25	4—1
Toledo	119	14—50	13—15	12—00	10—50	10—00	9—10	8—30	8—0
Sandusky	135	16—50	15—00	13—30	12—15	11—15	10—25	9—40	9—0
Huron	140	17—30	15—35	14—00	12—45	11—40	10—45	10—00	9—2
Lorain	149	18—40	16—35	15—00	13—30	12—25	11—30	10—40	10—0
Fairport	186	23—20	20—40	18—35	17—00	15—30	14—20	13—20	12—2
Ashtabula	211	26—25	23—25	21—05	19—10	17—35	16—25	15—05	14—05
Conneaut	224	28—00	25—00	22—25	20—20	18—40	17—15	16—00	15—00
Erie	252	31—30	28—00	25—10	23—00	21—00	19—25	18—00	16—50
Buffalo	320	40—00	35—25	32—00	29—05	26—45	24—30	22—50	21—20
From CHICAGO To									
Buffalo	889	111—10	98—45	89—00	80—50	74—05	68—25	63—25	59—15
Erie	821	102—40	91—15	82—05	74—40	68—25	63—10	58—40	54—45
Conneaut	793	99—10	88—10	79—20	72—05	66—05	61—00	56—40	52—45
Ashtabula	780	97—30	86—45	78—00	71—00	65—00	60—00	55—45	52—00
Fairport	755	94—25	84—00	75—30	68—45	63—00	57—00	54—00	50—20

From CHICAGO To	Distance Statute Miles	8 Miles per Hour	9 Miles per Hour	10 Miles per Hour	11 Miles per Hour	12 Miles per Hour	13 Miles per Hour	14 Miles per Hour	15 Miles per Hour
		Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.
Lorain	718	89—45	79—45	71—50	65—15	59—50	55—15	51—15	47—50
Huron	709	88—40	78—45	71—00	64—25	59—05	54—30	50—40	47—15
Sandusky	704	88—00	78—10	70—25	64—00	58—40	54—10	50—15	47—00
Toledo	688	86—00	76—25	68—50	62—30	57—20	52—15	49—10	45—50
Milwaukee	85	10—40	9—25	8—30	7—45	7—05	6—30	6—05	5—40
South Chicago	12	1—30	1—20	1—10	1—05	1—00	1—00	—50	—50
Port Huron	569	71—10	63—10	57—00	51—45	47—25	43—45	40—40	38—00
From ASHLAND To									
Two Harbors	71	9—00	8—00	7—05	6—30	6—00	5—30	5—05	4—45
Port Arthur	165	20—35	18—20	16—30	15—00	13—45	12—40	11—45	11—00
Munising	259	32—25	28—45	26—00	23—35	21—35	20—00	18—25	17—15
Hancock	131	16—25	14—30	13—05	12—00	11—00	10—05	9—20	8—45
"Soo"	349	43—40	38—45	35—00	31—40	29—05	26—40	25—00	23—15
Buffalo	939	117—25	104—20	94—00	85—20	78—15	72 05	67—05	62—35
Erie	871	109—00	96—45	87—05	79—10	72—35	67—00	62—15	58—05
Conneaut	843	105—25	93—40	84—20	76—40	70—15	64—50	60—15	56—10
Ashtabula	830	103—45	92—15	83—00	75—30	69—10	63—50	59—20	55—20
Fairport	805	100—40	89—25	80—30	73—10	67—05	62—00	57—25	53—40
Lorain	768	96—00	85—20	76—50	69—50	64—00	59—05	54—50	51—10
Huron	759	94—50	84—20	76—00	69—00	63—15	58—25	54—15	50—35
Sandusky	754	94—15	83—45	75—25	68—35	62—50	58—00	53—50	50—15
Toledo	738	92—15	82—00	73—50	67—05	61—30	56—45	52—45	49—10
Milwaukee	697	87—05	77—25	69—40	63—20	58—05	53—35	49—50	46—30
Chicago	763	95—25	84—45	73—20	69—20	63—35	58—40	54—30	50—50
From DULUTH To									
Ashland	95	12—00	10—30	9—30	8—40	8—00	7—10	6—50	6—20
Two Harbors	29	3—40	3—15	3—00	2—40	2—25	2—10	2—05	2—00
Marquette	282	35—15	31—20	28—10	25—40	23—30	21—40	20—10	19—00
Port Arthur	196	24—30	21—45	19—35	17—50	16—20	15—05	14—00	13—05
Munising	304	38—00	33—45	30—25	27—40	25—20	23—25	21—45	20—15
Hancock	180	22—30	20—00	18—00	16—20	15—00	13—50	12—50	12—00
Buffalo	985	123—10	109—25	98—30	89—35	82—05	75—45	70—20	65—40
Erie	917	114—40	102—00	91—40	83—20	76—25	70—35	65—30	61—10
Conneaut	889	111—05	98—45	89—00	80—50	74—05	68—20	63—30	59—15
Ashtabula	876	109—30	97—20	87—35	79—40	73—00	67—20	62—35	58—20
Fairport	851	106—25	94—30	85—05	77—20	71—00	65—25	60—50	56—45
Lorain	814	101—45	90—25	81—25	74—00	67—50	62—35	58—10	54—20
Huron	805	100—40	89—25	80—30	73—10	67—05	62—00	57—30	53—40
Sandusky	800	100—00	89—00	80—00	72—45	66—40	61—35	57—10	53—20
Toledo	784	98—00	87—05	78—25	71—15	65—20	60—15	56—00	52—15
Milwaukee	743	92—50	82—30	74—20	67—30	62—00	57—10	53—05	49—30
Chicago	809	101—10	89—50	81—00	73—30	67—25	62—15	57—45	54—00

From PORT ARTHUR To	Distance Statute Miles	8 Miles per Hour	9 Miles per Hour	10 Miles per Hour	11 Miles per Hour	12 Miles per Hour	13 Miles per Hour	14 Miles per Hour	15 Miles per Hour
		Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.
Buffalo	863	107—50	96—00	86—20	78—25	72—00	66—25	61—40	57—30
Erie	795	99—20	88—20	79—30	72—15	66—15	61—10	56—45	53—00
Conneaut	767	95—50	85—10	76—40	69—45	64—00	59—00	54—45	51—10
Ashtabula	754	94—15	83—45	75—25	68—35	62—50	58—00	53—50	50—15
Fairport	729	91—10	81—00	73—00	66—15	60—45	56—05	52—05	48—35
Lorain	692	86—30	77—00	69—10	63—00	57—40	54—00	49—25	46—10
Huron	683	85—20	76—00	68—20	62—05	57—00	52—50	48—40	45—30
Sandusky	678	84—45	75—20	67—50	61—40	56—30	52—10	48—25	45—10
Toledo	662	82—45	73—35	66—10	60—10	55—10	51—00	47—15	44—10
Milwaukee	621	77—40	69—00	62—05	56—25	51—45	47—45	44—20	41—25
Chicago	687	85—50	76—20	68—40	62—25	57—15	52—50	49—05	45—50
From MARQUETTE To									
Ashland	237	29—40	26—20	23—40	21—35	19—45	18—10	17—00	15—50
Two Harbors	257	32—10	28—30	25—40	23—20	21—25	19—45	18—20	17—10
Port Arthur	172	21—30	19—05	17—10	15—40	14—20	14—00	12—15	11—30
Munising	41	5—10	4—30	4—05	3—45	3—25	3—10	3—00	2—45
Hancock	82	10—15	9—00	8—10	7—25	6—50	6—15	5—50	5—30
"Soo"	159	19—50	17—40	16—00	14—25	13—15	12—15	11—20	10—35
Buffalo	749	93—40	83—10	75—00	68—05	62—25	57—35	53—30	50—00
Erie	681	85—10	75—45	68—05	62—00	56—45	52—20	48—40	45—25
Conneaut	653	81—40	72—30	65—20	59—20	54—25	50—15	46—40	43—30
Ashtabula	640	80—00	71—05	64—00	58—10	53—20	50—00	45—45	42—40
Fairport	615	76—50	68—20	61—30	56—00	51—15	47—20	44—00	41—00
Lorain	578	72—15	64—15	57—50	52—35	48—10	44—25	41—15	38—30
Huron	569	71—10	63—10	57—00	51—45	47—25	43—45	40—40	38—00
Sandusky	564	70—30	62—40	56—25	51—15	47—00	43—20	40—15	37—35
Toledo	548	68—30	61—00	54—50	49—50	45—40	42—10	39—10	36—30
Milwaukee	507	63—25	56—20	50—40	46—05	42—35	39—00	36—15	33—50
Chicago	573	71—40	63—40	57—10	52—05	47—45	44—05	41—00	38—10
From TWO HARBORS To									
Port Arthur	171	21—25	19—00	17—05	15—35	14—15	13—10	12—15	11—25
Buffalo	961	120—05	106—45	96—05	87—20	80—05	74—00	68—40	64—05
Erie	893	111—35	99—10	89—30	81—10	74—25	68—40	63—50	59—30
Conneaut	865	108—10	96—05	86—30	78—40	72—05	66—30	61—45	57—40
Ashtabula	852	106—30	94—40	85—10	77—25	71—00	65—30	60—50	56—50
Fairport	827	103—25	91—50	82—40	75—10	69—00	63—35	59—05	55—10
Lorain	790	98—45	87—45	79—00	71—50	65—50	60—45	56—25	52—40
Huron	781	97—40	86—45	78—05	71—00	65—05	60—05	55—45	52—05
Sandusky	776	97—00	86—15	77—35	70—30	64—40	59—40	55—25	51—45
Toledo	760	95—00	84—25	76—00	69—05	63—20	57—25	54—15	50—40
Milwaukee	719	89—50	79—50	72—00	65—20	60—00	55—20	51—20	48—00
Chicago	785	98—10	87—15	78—30	71—20	65—25	60—20	56—05	52—20
From MACKINAW To									
Detour	42	5—15	4—40	4—10	3—50	3—30	3—15	3—00	2—50
"Soo"	90	11—15	10—00	9—00	8—10	7—30	7—00	6—25	6—00
Escanaba	134	16—45	14—50	13—25	12—10	11—10	10—15	9—35	9—00

From MACKINAW To	Distance Statute Miles	8 Miles per Hour	9 Miles per Hour	10 Miles per Hour	11 Miles per Hour	12 Miles per Hour	13 Miles per Hour	14 Miles per Hour	15 Miles per Hour
		Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.	Hrs. Min.
Sheboygan	212	26—30	23—35	21—10	19—15	17—40	16—15	15—10	14—10
Manitowoc	192	24—00	21—20	19—10	17—25	16—00	14—45	13—45	12—50
Milwaukee	258	32—15	28—40	25—50	23—25	21—30	19—50	18—25	17—10
Chicago	324	40—30	36—00	32—25	29—25	27—00	25—00	23—10	21—35
South Chicago	332	41—30	36—50	33—10	30—10	27—40	25—30	23—45	22—10
Port Huron	245	30—40	27—15	24—30	22—15	20—25	18—50	17—30	16—20
Green Bay	198	24—45	22—00	19—50	18—00	16—30	15—15	14—10	13—10
From AMHERSTBURG To									
Buffalo	241	30—10	26—45	24—05	21—55	20—05	18—35	17—15	16—05
Erie	173	21—40	19—15	17—20	15—45	14—25	13—20	12—20	11—30
Conneaut	145	18—10	16—05	14—30	13—10	12—05	11—10	10—20	9—40
Ashtabula	132	16—30	14—40	13—15	12—00	11—00	10—10	9—25	8—50
Fairport	107	13—25	11—55	10—45	9—45	8—55	8—15	7—40	7—10
Cleveland	90	11—15	10—00	9—00	8—10	7—30	6—55	6—25	6—00
Lorain	70	8—45	7—50	7—00	6—20	5—50	5—25	5—00	4—40
Huron	61	7—40	6—50	6—05	5—35	5—05	4—40	4—20	4—05
Sandusky	56	7—00	6—15	5—35	5—05	4—40	4—20	4—00	3—45
Toledo	40	5—00	4—25	4—00	3—40	3—20	3—05	2—50	2—40
Detroit	17	2—10	1—55	1—45	1—35	1—25	1—20	1—15	1—10
Port Huron	78	9—45	8—40	7—50	7—05	6—30	6—00	5—35	5—15
Detour	300	37—30	33—20	30—00	27—20	25—00	23—05	21—25	20—00
"Soo"	348	43—30	38—40	34—50	31—40	29—00	26—45	24—50	23—10
From ESCANABA To									
"Soo"	224	28—00	25—00	22—25	20—20	18—40	17—15	16—00	15—00
Buffalo	699	87—25	77—40	70—00	63—35	58—15	53—45	50—00	46—35
Erie	631	79—00	70—05	63—05	57—20	52—35	48—35	45—05	42—05
Conneaut	603	75—25	67—00	60—20	54—50	50—15	46—25	43—05	40—10
Ashtabula	590	73—45	65—30	59—00	53—40	50—00	45—25	42—10	40—00
Fairport	565	70—30	62—45	56—30	51—20	47—05	43—25	40—20	37—40
Lorain	528	66—00	58—40	52—50	48—00	44—00	40—35	37—45	35—10
Huron	519	64—50	57—40	52—00	47—10	43—15	40—00	37—05	34—35
Sandusky	514	64—15	57—05	51—25	46—45	42—50	39—35	36—50	34—15
Toledo	498	62—15	54—10	49—50	45—15	41—30	38—15	35—35	33—10
Milwaukee	192	24—00	21—20	19—10	17—30	16—00	14—45	13—45	12—50
Chicago	277	34—40	30—45	27—45	25—10	23—05	21—20	19—50	18—30
South Chicago	286	35—45	31—45	28—40	26—00	23—50	22—00	20—25	19—05
Port Huron	379	47—25	42—05	38—00	34—25	31—35	29—10	27—05	25—15
From MILWAUKEE To									
Buffalo	823	103—00	91—25	82—20	74—50	68—35	63—20	58—45	54—50
Erie	755	94—25	83—50	75—30	68—35	63—00	58—05	53—15	50—20
Conneaut	727	91—00	80—45	72—40	66—05	60—35	56—00	52—00	48—30
Ashtabula	714	89—15	79—20	71—25	65—00	59—25	55—00	51—00	47—30
Fairport	689	86—10	76—35	69—00	62—40	57—25	53—00	49—15	46—00
Lorain	652	81—30	72—25	65—10	59—15	54—20	50—10	46—35	43—30
Huron	643	80—25	71—25	64—20	58—25	53—35	49—25	46—00	42—50
Sandusky	638	79—45	70—50	63—50	58—00	53—10	49—05	45—35	42—35
Toledo	622	77—45	69—05	62—10	56—30	51—50	47—50	44—25	41—30
South Chicago	95	11—50	10—35	9—30	8—40	8—00	7—20	6—50	6—30
Port Huron	503	62—50	55—50	50—20	45—45	42—00	38—40	36—00	33—20

Statistics of Commerce of the Great Lakes.

Entire Volume of Lake Commerce.

It is again necessary to repeat, before presenting on the following pages statistics dealing with different branches of lake commerce, that a thoroughly reliable statement of the entire freight movement of the great lakes cannot be secured, as the customs regulations do not require from the vessels reports that would admit of a full compilation. It is more than probable, however, that the traffic throughout the entire lake system in 1912 exceeded 90,000,000 tons (2,000 lbs.). The traffic to and from Lake Superior alone, according to reports of the war department officials in charge of the St. Mary's Falls canal, aggregated 72,472,676 tons in 1912. But the faulty customs regulations are not a hindrance altogether to the collection of valuable statistics regarding lake commerce. The leading commodities—iron ore, coal, grain, lumber, etc.—are dealt with separately in the several pages of tables that follow, and in all cases the figures that are given are from reliable sources, such as railway managers, dock superintendents and war department officials, the latter having supervision over some branches of the lake trade.

Areas, Depths, Etc., of the Great Lakes.

The great lakes with their connecting waterways have a water surface of 95,660 square miles, and a watershed of 174,800 square miles, the two combined making a basin area of 270,460 square miles. The coast line of this great lake system contain more than half of the fresh water area of the globe, and have a combined length in the United States of 3,075 miles. The distance from Ogdensburg, the eastern point of navigation on the United States coast line, to Duluth, the extreme western point of Lake Superior, is 1,279 miles, and the distance is about 500 miles in a direct line from the extreme north shore of Lake Superior to the southern coast line of Lake Michigan. Within these large areas and coast lines are inland waterways that are not equaled upon any other continent. The total shore line is 5,404 miles and the water volume 5,508 cubic miles.

Lake Superior is a little larger than Victoria Nyanza and therefore the largest fresh-water lake in the world, even though its size is less than one-fifth that of the Caspian sea. The United States geological survey gives Lake Superior an area of 31,200 square miles, its length 412 miles, maximum breadth 167 miles, maximum depth 1,008 feet, and its height above the sea level 602 feet; but depths have been found as great as 1,386 feet. Its shore line is about 1,500 miles in length. The ascent from the ocean to Lake Superior does not average more than 6 inches to the mile, and even this ascent is not markedly noticeable till it proceeds westward. It receives the waters of 200 rivers and drains a territory of 53,000 square miles. It practically belongs to the United States. Canada owns the north shore, but little of the lake itself.

Lake Michigan derives its name from two Indian words of the Chippewa dialect—mich (great) and sawgyegan (lake). It is the largest lake wholly within the United States, and the third largest known body of fresh-water in the world. It has a length of 320 miles, with an average width of 65 miles. The area of this great sheet of water is 22,400 square miles, and its circumference nearly 945 miles. Its surface is 581 feet above the Atlantic Ocean, and, being 1,000 feet deep, its bottom is over 400 feet below the surface of that ocean.

Lake Huron is 263 miles long and 101 miles broad, and has an area of about 21,000 square miles; a maximum depth of 750 feet, and an altitude above the sea of 581.28 feet. Georgian bay, in the northeastern part, lies entirely within the Dominion of Canada, whilst Thunder Bay, on the west and Saginaw bay on the southwest, are in the state of Michigan.

Lake Erie is the most southern of the great lakes. Its greatest breadth north and south is 60 miles; its circumference 660 miles, and its area about 10,000 square miles. Its elevation above the sea level is 572.86 feet, and its surface is 326.25 feet above that of Lake Ontario, this great descent being taken up by the Niagara river and falls. Like Lake Michigan, the coast of Lake Erie is comparatively free from indentations, and, excepting the western end, it is clear of island. The peculiar features of Lake Erie are its shallowness and its clayey shores, the depth, excepting east and southeast of Long point, rarely exceeding 100 feet. The bed of the lake can be considered as in three divisions, increasing in depth from Detroit river to the outlet. The western portion, as far as Point au Pelee Island, has a level bottom with an average depth of 30 feet. The middle portion, taking in the principal part of the lake to Long point, is also level and from 60 to 70 feet deep. Beyond Long point, the depths vary from 210 feet, near the point, to

Areas, Depths, Levels, Etc., of the Great Lakes.

	Length, miles.	Average width miles.	Shore line, miles.	Water area, (including islands, sq. miles.	Average depth, feet.	Surface above tide-water, feet.	Land area of water-shed, sq. miles.	Aggregate water and land area of water-shed, sq. miles.
Lake Superior	390	70	1300	31200	475	602	51600	82800
St. Mary's river	53 / 40	2½ / 3	100	200	.....	.....	800	1000
Lake Michigan	335	58	875	20200	335	581		
Green Bay	115	15	260	1700	15	581	37700	60100
Mackinac straits	30	16	60	500	75	581		
North Channel	110	12	220	1400	70	581		
Lake Huron	250	54	725	17400	210	581	31700	55700
Georgian bay	120	40	380	5200	170	581		
St. Clair river	35	1	70	80	.....	.....	3800	3830
Lake St. Clair	19	25	90	410	.....	575	3400	3810
Detroit river	37	2	54	60	.....	.....	1200	1260
Lake Erie	250	40	580	10000	70	573	22700	32700
Niagara river	34	1	70	60	.....	.....	300	360
Lake Ontario	180	40	600	7300	300	247	21600	28900
St. Lawrence river	760	20	.....	.....	.....	.....	.....	.....
Totals	.....	.....	5404	95660	.....	.....	174800	270460

Maximum depths—Lake Superior, 1008 feet; Lake Michigan, 870 feet; Lake Huron 210 feet; Lake St. Clair, 21 feet; Lake Erie, 204 feet; Lake Ontario, 734, feet

30 and 40 feet near the eastern shore. The shallow waters of this lake are easily disturbed by the winds, and for this reason it is very dangerous navigation.

Lake Ontario is the eastern and smallest of the great lakes. The length of this lake between Sacketts Harbor and Burlington Bay lights is 190 miles, and its greatest breadth 54 miles; its maximum depth 738 feet, and its elevation above the sea 246.61 feet. Its basin drains 29,760 square miles, including the lake surface of 7,240 square miles. By reason of its greater depth, the surface of Lake Ontario is less disturbed by storms than Lake Erie. It is also much less obstructed by ice, the lake never freezing except near the shore.

Vessels Totally Lost on the Great Lakes, During 1911 and 1912.

1911

Name.	Carrying Capacity, Gross Tons.
Str. Arundell	....
Str. City of Genoa	3,300
Str. City of Kalamazoo	....
Str. Cranage, Thomas	3,250
Str. Hopkins, A. L.	800
Str. Joliet	2,770
Str. Leuty, D.	1,500
Str. Maine	1,200
Str. Mitchell, John	7,500
Str. Prince, F. H.	2,100
Str. Raleigh	2,000
Str. Rappahannock	3,450
Str. Tampa	3,400
Str. Three Brothers	875
Sch. Burton, Louis A.	1,100
Sch. Exilda	300
Sch. Howard, Kate	350
Sch. Ottawa	500
Barge Albatross	....
Barge Keepsake	300
Barge Kelley, Edward	1,800
Barge Marshall, J. D.	900
Barge Young	1,500
Tug Eastern Star	....
Tug Martin	....
Tug Martin, C. C.	....
Tug Silver Spray	....
Tug Winslow	....
Yacht Gunelda	....

1912

Name.	Carrying Capacity, Gross Tons.
Tug Trinter, Chas. A.	....
Str. Iona	500
Str. Duit, Jos. C.	1,350
Str. Bothnia	1,650
Str. McLouth, Sidney C.	3,000
Str. Columbia	2,200
Str. Gayley, James	7,500
Str. Culligan	2,800
Str. Martin, S. K.	500
Tug Carrie E.	....
Barge Marengo	1,200
Str. Pine Lake	700
Str. Keystorm	3,000
Barge Locke	600
Str. Sage, Russell	1,800
Barge Wells, Hattie	400
Str. South Shore	400
Sch. Simmons, Rouse	500

Iron Mining Industry—Lake Superior Region.

A most striking feature of the iron ore industry of Lake Superior, controlled now to the extent of 60 per cent by the United States Steel Corporation, which moved nearly 24,000,000 tons in 1912 is the enormous increase in output of late years, due to great expansion in the iron and steel business of America. Since the ranges were opened in 1855, 574,125, 258 tons have been shipped, of which amount 354,454,-586 tons were shipped during the past ten years.

It will be noted from tables appearing on the following pages that the product of the Lake Superior region represents more than 75 per cent of the ore consumed throughout the United States. It also represents about one-half of the entire lake freight movement. The tables deal with the product each year since 1854. Full analyses of all the ores are also presented, and there are tables of annual shipments from ranges and from shipping ports; also dimensions and capacity of shipping docks at upper lake ports and at the different ports on Lake Erie, where the ore is transferred to railroads for shipment to the furnaces, together with names of railways, dock managers, dock equipment, receipts and shipments at Lake Erie ports, etc., etc.

This information regarding the ore industry comes direct from the railway companies and the ore sales agents of Cleveland, and the figures throughout the entire period—some fifty-five years in the case of production—are therefore absolutely reliable. Although the United States Steel Corporation has of late become the leading factor in this industry, there are still several other large concerns engaged in the sale and transportation of the ore. They are:

FIRMS CONTROLLING THE SALE AND TRANSPORTATION OF LAKE SUPERIOR ORES.

Brown, H. H. & Co., Perry-Payne Bldg., Cleveland.
Cleveland-Cliffs Iron Co., Rockefeller Bldg., Cleveland.
Corrigan, McKinney & Co., Perry-Payne Bldg., Cleveland.
Crerar, Clinch & Co., The Rookery, Chicago.
Hanna & Co., M. A., Perry-Payne Bldg., Cleveland.
Lake Erie Ore Co., Cleveland.
Oglebay, Norton & Co., Wade Bldg., Cleveland.

RECORD OF ORE DOCKS ON THE GREAT LAKES.

Railway	Location	Dock No.	Number of Pockets	Storage Capacity Tons	Height Water to Center Hinge Hole Ft.-In.	Height Water to Deck of Dock Ft.-In.	Width of Dock On side to Outside of Part in Posts Ft.-In.	Length of Spouts Ft.-In.	Length of Dock Ft.-In.	Angle of Pockets Ft.-In
Chicago & North Western Ry	Escanaba, Mich.	1	184	21143	28-10	48-6	37-0	21-0	1104	39-30
" "	"	3	226	28792	31-2	52-8	37-0	27-0	1356	45-0
" "	"	4	250	34925	36-6	59-2	37-0	30-0	1560	45-0
" "	"	5	400	57810	37-9½	70-9½	52-2	32-1½	2400	45-0
" "	"	6	320	69760	40-0	70-0	50-2	30-0	1920	45-0
" "	Ashland, Wis.	1	234	42120	40-0	70-0	50-2	30-0	1404	45-0
" "	"	2	234	42120	40-0	70-0	50-2	30-0	1404	45-0
	Total		1848	326670						
Duluth & Iron Range Rail Road	Two Harbors, Minn	1	202	40400	35-5	59-6	49-0	27-0	1388	38-42
" "	"	2	208	41600	33-5	57-6	49-0	27-0	1280	38-42
" "	"	3	170	34000	40-0	66-0	49-0	27-0	1054	43-32
" "	"	4	168	36960	37-0	62-0	49-0	29-0	1042	38-42
" "	"	5	168	35450	39-0	66-9	49-0	30-0	1050	43-32
" "	"	6	148	43246	40-0	73-0	53-0	32-4	920	45-0
	Total		1064	231656						
Duluth, Missabe & Northern Ry	Duluth, Minn.	2	384	69120	32-0	57-6	49-0	27-9	2336	45-0
" "	"	3	384	80640	40-7	67-½	59-0	27-9	2304	45-0
" "	"	4	384	119274	41-9½	72-6	57-0	30-1½	2304	45-0
	Total		1152	269034						
Great Northern Ry	Superior, Wis	1	374	100980	40-0	73-0	62-8	32-4	2244	45-0
"	"	2	350	94500	40-0	73-0	62-8	32-4	2100	45-0
"	"	3	326	88020	40-0	73-0	62-8	32-4	1956	45-0
"	"	4	302	90600	40-2	73-0	62-6	34-6	1812	47-30
	Total		1352	405600						
Duluth, South Shore & Atlantic Ry	Marquette, Mich.	4	200	28000	27-9	47-3	36-8	21-1	1200	39-45
" "	"	5	200	50000	40-0	70-10	51-0	32-4	1236	45-0
	Total		400	78000						
Lake Superior & Ishpeming Ry	Marquette, Mich.	1	200	36000	30-9	54-0	50-0	27-7	1232	38-40
	"	2	200	50000	43-0	75-0	54-0	35-0	1200	45-0
	Total		400	75000						
Minneapolis, St. Paul & Sault Ste. Marie Ry.	Ashland, Wis.	1	314	48356	40-0	66-2	36-0	27-0	1908	50-45
	Superior	1	300	90000	42-5	78-0	58-0	32½-0	1800	47-0
	Total		614	121400						
Chicago, Milwaukee & St. Paul Ry.	Escanaba, Mich.	1	240	50400	40-2¾	66-6	52-0	120-27-0	1500	45-0
" " "								120-20-0		
	"	2	240	63500	40-11½	69-2	54-0	30-4½	1500	45-0
	Total		480	113900						
Algoma Central & Hudson Bay Ry	Michipicoten, Ont.	1	12		34-0	43-4	25-0	22-6	311-9	44-0
Canadian Northern Ry	Key Harbor, Ont.	1	20	2000		61-9	28-0	30-0	240-0	

Oliver Iron Mining Co., Duluth, Minn. (This is constituent company of United States Steel Corporation, in charge of all ore business).

Pittsburg & Lake Angeline Iron Mining Co., Western Reserve Bldg., Cleveland.

Pickands, Mather & Co., Western Reserve Bldg., Cleveland.

Tod, Stambaugh & Co., Perry-Payne Bldg., Cleveland.

ORE SHIPPING PORTS.

RAILWAYS ENGAGED IN THE TRAFFIC FROM MINES TO PORTS OF SHIPMENT—LIST OF DOCK MANAGERS, DIMENSIONS OF DOCKS, ETC.

Following are the names of the railway companies engaged in moving iron ore from mines to shipping docks at Two Harbors, Duluth, Superior, Ashland and Marquette on Lake Superior, and Escanaba and Gladstone on Lake Michigan, together with a list of the dock agents and particulars of the docks at the several ports:

Two Harbors, Minn.—Six docks owned by Duluth & Iron Range R. R. Co., Geo. W. Watts, agent. These docks, as well as the Duluth & Iron Range Ry., are a part of the United States Steel Corporation.

Duluth, Minn.—Three docks, owned by Duluth, Missabe & Northern Ry. Co., George Treviranus, agent. These docks, as well as the Duluth & Iron Range Ry., are a part of the United States Steel Corporation.

Superior, Wis.—Three docks owned by Allouez Bay Dock Co. (Great Northern Ry. Lines), J. C. Morrell, Supt. No. 1 dock, 374 pockets; No. 2 dock, 350 pockets; No. 3 dock, 326 pockets; No. 4 dock, 302 pockets; total, 1,352 pockets. Docks and pockets all the same height, width and dimensions.

Ashland, Wis.—Two docks, owned by Chicago & Northwestern Railway Co. and one by Soo Line Railway; J. W. Coria, dock agent of Soo Line Railway, and John Sampson, dock agent of Chicago & Northwestern.

Marquette, Mich.—Four docks, two of which are owned by the Duluth, South Shore & Atlantic Ry. Co., of which H. B. Bell is agent, and two by the Lake Superior & Ishpeming Ry. Co., (located at Presque Isle, 2½ miles north of Marquette), of which W. F. Morgan is agent.

Escanaba, Mich.—Four docks, owned by Chicago & Northwestern Ry. Co., Hugh J. Robertson, dock agent, two docks owned by Chicago, Milwaukee & St. Paul Ry., J. M. Clifford, agent.

Gladstone, Mich.—One dock, owned by Minneapolis, St. Paul & Sault Ste. Marie Ry. Co., P. B. Hammond, dock agent.

GROWTH OF AVERAGE CARGOES.

Figures of the Duluth, Missabe & Northern road, for the past 16 years, show the increase in annual average cargoes loaded there to have been as follows:

Year.	Gross Tons Ore Average Cargo.	Year.	Gross Tons Ore Average Cargo.
1895	1,809	1904	5,670
1896	2,214	1905	6,037
1897	3,541	1906	6,793
1898	3,350	1907	7,516
1899	3,803	1908	8,325
1900	3,783	1909	7,777
1901	4,459	1910	7,155
1902	4,814	1911	7,178
1903	5,668	1912	7,740

Particulars of Canals and Locks of St. Mary's River

The fall in St. Mary's rapids varies from 16½ to 20½ ft. The first lock was built on the Canadian side of the river by the Hudson Bay Fur Co. in 1798. It was 38 ft. long, 8 ft. 9 in. wide, with a lift of 9 ft. A tow path was made along the shore for the oxen to pull the batteaux and canoes through the upper part of the rapids. This lock, excepting its timber floor and miter sills, was destroyed in 1814 by the United States troops from Mackinac island.

The next locks were built on the American side of the river by the state of Michigan in 1853 to 1855, and such locks and canal are generally spoken of as the state canal, and 750,000 acres of land in Michigan was granted by congress for their construction. The canal was 1½ miles long, 64 ft. wide at bottom, 100 ft. wide at water surface and 13 ft. deep. There were two tandem locks of masonry, each 350 by 70 ft. by 11½ ft. on the miter sills, with a lift of about 9 ft. The locks were destroyed in 1888 to make room for the present Poe lock.

The Weitzel lock, 515 ft. long, 80 ft. wide in chamber, narrowing to 60 ft. at the gates, with 17 ft. of water on the miter sills at mean stage, was built by the United States in the years 1870 to 1881. The canal depth was then increased to 16 ft. below its water surface and its average width was increased to 160 ft. and the stone slope walls were replaced with timber piers having a vertical face.

The Canadian canal, 1⅛ miles long, 150 ft. wide and 22 ft. deep, with a lock 900 ft. long, 60 ft. wide, having 22 ft. on the miter sills, was built on the north side of the river between the years 1888 and 1895.

The Poe lock, 800 ft. long, 100 ft. wide and having 22 ft. of water on the sills, was built by the United States in the years 1887 to 1896.

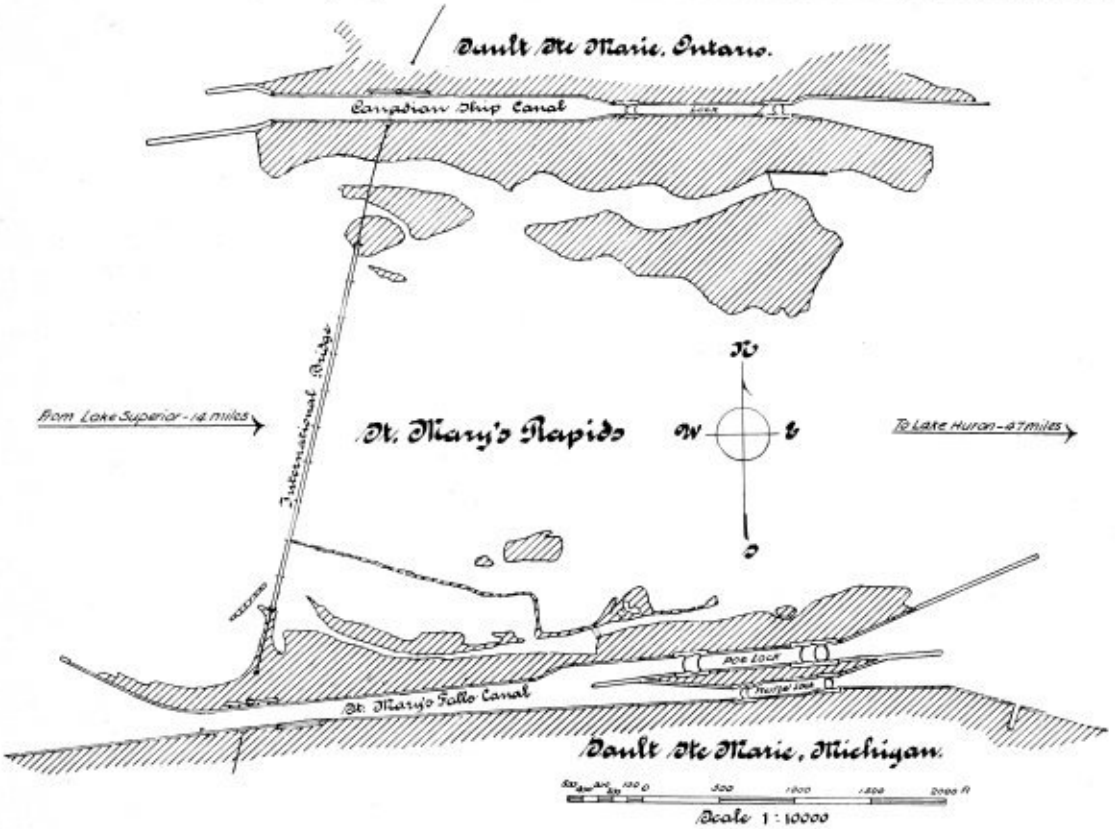
The American canal since its first construction has been deepened to 25 ft., and its entrance piers have been extended, so that the total length is now 1 3/5 miles. Its width is variable, being 500 ft. at the upper entrance, 108 ft. at the movable dam, 270 ft. at the basin above locks, and 1,000 ft. at the lower entrance.

The channel through the St. Mary's river has gradually been improved through shoals of sand, clay, boulders, sandstone rock and limestone rock, so as to now have a least depth of 20 ft. at mean stage of water over a least width of 300 ft.

The approximate cost in round numbers of the several improvements is as follows: Locks and canal of 1855, $1,000,000; Weitzel lock, $1,000,000; Poe lock, $3,000,000; widening and deepening canal, $3,000,000; improving channel through river, $3,000,000; Canadian lock, canal and approaches, $4,000,000.

Hydraulic power is used for operating the American locks, a pressure of 115 lbs. per square inch being used for the Weitzel lock machinery and a pressure of 380 lbs. for the Poe lock machinery. Electricity generated by water power is used for operating the Canadian lock.

The Poe lock can be filled or emptied in about 7 minutes and an up-lockage of a boat 350 ft. long has been made in as short an interval as 11 minutes. The gates can be opened or closed in 2¼ minutes, although 3 to 5 minutes are usually taken. The Weitzel lock can be operated in about the same time as the Poe lock. The Canadian lock can be operated in about 9 minutes.



SKETCH OF CANALS AND LOCKS AT THE SAULT.

Cargo Analyses of Lake Superior Iron Ores of the Season 1912

Note.—All figures relate to the ore in its natural condition, not when dried. *Expected analyses for 1913.

CUYUNA RANGE

ORE	Iron	Phos.	Silica	Mang.	Alumina	Lime	Magnesia	Sulph.	Loss by Ignition	Moist.
Barrows*	49.28	.435	7.88	.62	1.79	.09	.12	.013	5.95	12.00
Pennington*	51.040	.2050	6.688	.167	1.980	.202	.114	.0167	4.699	12.00

GOGEBIC RANGE

ORE	Iron	Phos.	Silica	Mang.	Alumina	Lime	Magnesia	Sulph.	Loss by Ignition	Moist.
Argos	51.777	.0522	9.892	3.28	.....	.....	.....	.....	.....	11.227
Ashland	52.06	.044	9.22	.224	2.73	.314	.305	.010	2.45	10.25
Asteroid	51.09	.031	12.15	.24	.66	.24	.17	.007	1.02	12.51
Atlantic	52.903	.0412	8.719	.265	.....	.....	.....	.....	.....	11.153
Aurora	54.695	.0341	5.044	.337	.....	.....	.....	.....	.....	11.428
Belmont	51.74	.045	5.95	.78	1.28	.34	.47	.012	2.22	14.80
No. 2 Bessemer	52.62	.0396	9.51	.....	.....	.....	.....	.....	.....	13.26
Brotherton	56.12	.0283	8.838	.347	.740	.246	.164	.0063	.685	8.60
Cary Empire	49.37	.0490	10.862	2.704	8.62	.217	.245	.0099	4.156	9.25
Castile	52.02	.033	10.67	.33	.48	.26	.18	.013	.61	13.25
Earl	52.07	.0726	14.775	.450	.791	.340	.294	.0082	.717	8.00
Ella	54.79	.065	8.44	.41	.85	.76	.74	.023	2.12	7.91
Eureka	52.26	.056	7.27	.56	.98	.14	.07	.010	3.15	13.19
Globe	52.29	.093	9.59	.252	2.58	.48	.423	.015	1.98	10.00
Hamilton	55.03	.052	5.55	.43	1.33	.18	.06	.012	3.97	10.26
Hobson	56.20	.0429	.....	.....	.....	.....	.....	.....	.....	9.61
Iron Belt Silica	42.38	.040	20.96	.329	2.54	.368	.601	.015	2.76	12.00
Kennan	53.567	.0738	5.676	.418	.....	.....	.....	.....	.....	10.463
King	48.569	.0564	15.682	.215	1.210	.403	.269	.0107	1.873	10.39
Kingston	55.54	.0439	.....	.....	.....	.....	.....	.....	.....	9.96
Lawrence	54.64	.048	5.75	.42	1.39	.17	.06	.011	3.89	10.53
Medina	52.49	.076	8.66	.64	.41	.35	.12	.009	.76	13.20
Melrose	55.02	.040	5.52	.35	2.24	.23	.22	.011	1.33	11.33
Mikado*	53.01	.0931	4.702	.769	.743	.624	.316	.0068	2.103	14.50
Montreal	56.23	.042	5.34	.42	1.07	.11	.07	.013	2.98	9.60
Montrose	54.14	.084	5.04	.39	2.26	.33	.11	.025	2.00	12.33
New Era No. 2	49.90	.067	10.76	.29	3.20	.13	.16	.009	2.01	11.76
Nimikon	53.16	.0599	8.985	.322	1.065	.366	.268	.0098	2.309	10.50
Nordale	51.614	.0372	9.894	.247	.....	.....	.....	.....	.....	10.464
Norman	56.98	.069	4.92	.64	.65	.45	.51	.010	2.08	9.27
Norrie	54.629	.0316	5.574	.298	.....	.....	.....	.....	.....	10.988
Norrie-Norden	54.743	.0884	6.433	.345	.....	.....	.....	.....	.....	11.138
Ontario	50.45	.057	9.43	2.61	.61	.14	.11	.012	6.27	8.89
Ottawa	51.63	.044	7.77	3.04	.97	.22	.14	.006	5.15	7.63
Pence No. 1	55.526	.0250	11.900	.....	.....	.....	.....	.....	.....	6.996
Plummer	52.269	.0729	8.087	.508	.....	.....	.....	.....	.....	10.151
Porter	52.24	.045	5.80	.40	1.63	.21	.29	.006	3.42	13.36
Puritan	55.693	.0423	5.066	.621	.....	.....	.....	.....	.....	10.758
Quebec	52.92	.062	8.62	1.36	.89	.15	.10	.015	4.84	7.80
Ramsay	54.66	.093	7.52	.20	1.13	.40	.11	.014	1.28	11.52
Rand	50.251	.0374	7.594	1.386	.....	.....	.....	.....	.....	12.791
Rand Basic	50.894	.0467	7.493	1.169	.....	.....	.....	.....	.....	12.092
Sunday Lake	54.69	.0244	10.657	.399	.634	.199	.163	.0063	.417	9.30
Tilden	56.676	.0366	3.406	.624	.....	.....	.....	.....	.....	10.830
Tilden-Norden	54.618	.0980	5.193	.502	.....	.....	.....	.....	.....	10.963
Tilden-Norden No. 2	52.799	.1043	8.510	.488	.....	.....	.....	.....	.....	10.412
Tilden Special	56.380	.0418	3.473	.561	.....	.....	.....	.....	.....	10.960
Vaughn	53.545	.0280	5.714	.283	.....	.....	.....	.....	.....	11.677
Walton	53.49	.0836	8.677	.231	1.192	.605	.347	.0106	1.246	11.00
Windsor	52.59	.0441	10.824	.324	.838	.243	.216	.0099	2.381	9.80

MARQUETTE RANGE

ORE	Iron	Phos.	Silica	Mang.	Alumina	Lime	Magnesia	Sulph.	Loss by Ignition	Moist
Abbotsford	59.607	.0372	8.090	.....	.....	.....	.....	.....	.....	3.929
Alford	57.978	.0281	5.587	.....	.....	.....	.....	.....	.....	8.584
American	54.99	.030	10.68	.13	2.61	.38	.46	.016	.59	7.11
Angeline Hematite	60.679	.0384	2.152	.....	.....	.....	.....	.....	.....	9.128
Angeline South	56.970	.1168	4.464	.....	.....	.....	.....	.....	.....	10.270
Austin	52.29	.074	7.70	.447	.61	.76	.241	.010	.82	14.00
Bedford	48.933	.0764	12.943	.....	.....	.....	.....	.....	.....	11.381
Beresford	61.505	.1056	6.332	.....	.....	.....	.....	.....	.....	.959
Breitung	51.04	.0950	7.48	.37	2.64	.33	.67	.014	2.12	12.00
Breitung No 2	46.64	.097	15.65	.31	2.80	.19	.29	.011	1.79	12.00
Breitung Silicious	40.310	.0163	30.88	.073	2.57	.338	.21	.010	.84	8.632
Breitung Special	48.40	.091	10.91	.31	2.80	.71	.65	.018	2.16	12.00
Buffalo	51.979	.1014	4.621	.....	.....	.....	.....	.....	.....	14.322
Cambria	50.45	.097	9.20	.19	2.48	.67	.37	.012	3.10	11.50
Cambridge	50.24	.610	5.54	.765	1.17	2.12	.85	.014	1.57	15.00
Cameo	48.749	.0900	7.474	.....	.....	.....	.....	.....	.....	14.703
Carson	47.454	.0838	9.753	.....	.....	.....	.....	.....	.....	11.556
Cascade*	51.80	.0712	8.455	.489	1.068	.453	.364	.0356	1.424	11.00
Castleford	52.374	.0929	16.290	.....	.....	.....	.....	.....	.....	3.372
Castleford Bessemer	51.00	.047	19.83	.125	2.27	.483	.203	.029	.68	3.50
Castleguard	51.413	.0476	20.041	.....	.....	.....	.....	.....	.....	3.388
Charlotte	47.819	.0633	12.21	.173	2.06	.67	.62	.1649	1.76	13.193
Cliffs Shaft Crushed	58.21	.104	5.76	.512	2.48	1.67	1.03	.016	2.84	1.50
Cliffs Shaft Lump	60.20	.101	4.84	.458	2.38	1.69	1.26	.012	2.51	.50
Clinton	52.98	.191	6.46	.246	2.21	.66	.229	.008	2.16	12.00
Clinton Silica	45.02	.066	18.14	.176	1.78	.300	.203	.007	3.04	11.90
Davis*	55.26	.114	4.73	.41	1.07	.99	.65	.018	1.87	10.00
Empire	39.01	.072	39.37	.08	.99	.48	.23	.024	1.07	3.03
Foley	58.508	.0144	4.00	.135	1.82	.35	.23	.007	.59	9.831
Foley No. 2	50.648	.0131	14.60	.13	2.37	.28	.24	.008	.62	9.830
Hematite Sec. 16	49.23	.082	14.04	.198	1.52	.198	.171	.011	2.92	10.00
Hematite Silicious*	40.42	.031	31.96	.79	2.11	1.58	.11	.007	1.49	6.00
Himrod	40.08	.052	34.75	.029	1.23	.36	.048	.0048	1.44	4.00
Imperial	45.44	.247	10.44	.116	.69	2.63	2.12	.048	7.49	10.90
Jackson, South	37.52	.096	31.72	2.17	.96	.538	.436	.031	2.66	7.25
Lake	51.33	.099	5.11	.661	2.24	.618	.89	.009	3.85	13.00
Lake Bessemer	51.39	.038	7.34	.446	1.15	.86	.515	.013	2.23	14.20
Lucy	41.902	.0643	19.660	3.280	2.192	.507	.353	.0118	2.972	9.40
Maas	52.07	.080	6.28	.221	2.03	1.35	.203	.010	3.06	11.60
Mary	50.171	.0760	7.23	.22	2.52	.66	.74	.0837	1.84	14.509
Milwaukee	50.444	.1198	7.805	.280	1.32	1.48	1.59	.012	2.36	12.50
Negaunee	51.96	.101	6.38	.158	2.90	1.23	.238	.019	3.12	12.00
Negaunee Bessemer	52.47	.053	5.44	.176	2.34	.79	.184	.019	2.20	12.20
North Lake	52.48	.058	6.53	.298	2.02	1.19	.225	.004	4.60	9.75
North Lake Silica	46.30	.044	15.79	.199	1.76	.677	.208	.015	5.08	9.75
Palmer*	54.74	.0364	5.785	.605	.943	.432	.320	.0338	1.237	11.00
Princeton	51.73	.167	4.75	.339	1.87	1.70	.85	.017	1.57	15.20
Republic Basic	63.36	.065	5.94	.008	1.05	.26	.16	.018	.....	1.00
Republic Basic Lump	63.89	.064	5.68	.02	1.17	.44	.33	.012	.45	.48
Republic Bessemer	64.32	.039	6.27	.039	1.60	Trace	.089	.012	.....	2.38
Richmond	38.87	.038	39.09	.10	.68	.29	.30	.009	1.42	2.16
Rolling Mill	52.293	.0868	5.726	.....	.....	.....	.....	.....	.....	12.999
Salisbury	50.95	.095	6.23	.441	2.68	.74	.91	.035	2.67	13.50
Stegmiller	52.119	.305	5.596	.....	.....	.....	.....	.....	.....	14.222
Stephenson	50.15	.340	5.53	.638	1.17	2.34	1.06	.014	1.57	15.00
Warner*	47.25	.0414	18.900	.405	1.278	.454	.351	.0621	1.530	10.00
Washington	60.610	.1024	9.71	.059	1.34	.58	.31	.0078	.088	1.525
Washington No. 2	56.263	.1384	16.25	.039	1.74	.64	.46	.0099	.04	.420
Washington Lump	62.175	.127	9.00	.12	.72	.756	.28	.028	.10	.52
Washington Silicious	45.064	.0985	29.06	.09	1.87	.87	.61	.030	.41	1.50

MAYVILLE RANGE

ORE	Iron	Phos.	Silica	Mang.	Alumina	Lime	Magnesia	Sulph.	Loss by Ignition	Moist.
Iron Ridge	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mayville	41.84	.998	4.42	.15	3.95	5.06	2.46	.0284	9.288	11.37

MENOMINEE RANGE

ORE	Iron	Phos.	Silica	Mang.	Alumina	Lime	Magnesia	Sulph.	Loss by Ignition	Moist.
Ajax	48.270	.0525	12.920	.212	.....	.....	.....	.....	.....	6.879
Antoine	37.87	.029	41.31	.147	.93	.58	.735	.0167	1.029	1.95
Baltic (Group)	49.52	.3662	7.676	.270	2.940	1.253	1.371	.0676	4.852	9.80
Barton	51.045	.608	5.337	.179	.....	.....	.....	.....	.....	7.602
Berkshire	46.76	.476	8.37	.22	4.44	2.85	2.90	.032	3.30	9.85
Bristol	50.47	.644	6.21	.65	2.51	2.45	1.51	.149	5.35	7.73
Buckeye	47.93	.280	9.69	.13	2.83	2.37	2.50	.162	4.72	8.11
Cadiz	48.098	.0508	16.066	.160	.....	.....	.....	.....	.....	7.542
Calumet	38.08	.0226	35.267	.226	1.833	.642	.481	.0094	1.464	5.50
Chapin	54.012	.0594	5.806	.212	.....	.....	.....	.....	.....	7.060
Chatam	52.24	.367	7.17	.14	1.35	1.61	.81	.23	6.83	6.00
Clifford	38.84	.018	38.55	.10	.96	.87	.71	.011	1.09	2.91
Crescent	58.180	.0492	4.142	.170	.....	.....	.....	.....	.....	5.430
Cyclops	55.55	.012	12.02	.042	1.89	.87	.87	.043	.....	6.88
Davidson	51.785	.3917	4.989	.250	2.439	.092	.203	.0462	9.368	7.610
Florence	48.77	.270	6.09	.21	3.36	1.89	1.53	.168	5.51	10.59
Gamma*	46.00	.2919	17.650	.064	1.711	.311	.146	.0604	5.042	8.50
Granada Brier Hill	52.832	.0495	6.088	.314	.....	.....	.....	.....	.....	6.878
Granada Townsite	54.993	.0540	6.115	.156	.....	.....	.....	.....	.....	8.299
Groveland	41.249	.0365	26.280	.953	1.270	2.118	3.224	.0134	2.503	3.736
Harper	54.04	.070	10.12	.046	1.75	1.30	1.67	.018	.....	7.00
Hemlock	50.17	.1418	5.770	.371	3.599	4.498	4.097	.0117	7.315	2.20
Hollister	48.21	1.142	9.63	1.05	1.35	3.91	.53	.044	1.74	8.60
James	51.00	.4397	7.829	.276	1.086	.396	.304	.0193	8.197	8.00
Loretto	55.32	.020	7.15	.14	2.42	.54	.87	.005	.76	9.53
Manganate	46.29	.536	7.06	3.13	3.39	1.62	2.00	.028	6.55	7.16
McDonald*	49.918	.0761	9.187	.280	1.671	.743	.210	.0070	4.90	12.50
Pewabic Genoa	36.81	.0104	37.905	.066	1.301	.589	1.387	.0104	1.159	5.00
Randville*	40.99	.023	34.79	.14	.40	.38	.24	.006	.96	4.00
Ravenna	48.04	.688	8.26	.18	3.02	2.15	1.28	.022	1.96	10.20
Russell	50.14	.059	8.23	.25	2.83	1.43	2.86	.017	4.29	7.49
Russell Special*	43.89	.055	16.69	.15	2.44	1.25	2.16	.005	3.53	7.40
Toledo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Victoria*	53.184	.4656	5.088	.211	2.966	.720	.480	.0221	7.824	4.00
Vivian	36.08	.0194	39.905	.019	1.231	1.251	1.280	.0097	1.678	3.00
Vulcan	54.33	.039	6.61	.72	1.85	1.84	2.12	.016	.....	6.93
Walpole*	53.00	.0675	7.511	.157	1.600	1.656	2.738	.0046	2.923	7.50
Waucedah*	37.83	.0155	40.284	.019	.863	.340	.776	.0262	.582	3.00
Youngs*	50.227	.4403	10.471	.231	2.867	.749	.777	.0740	5.161	7.50
Zimmerman	51.364	.411	6.37	.109	2.275	1.365	.819	.054	2.834	9.00

MESABA RANGE

ORE	Iron	Phos.	Silica	Mang.	Alumina	Lime	Magnesia	Sulph.	Loss by Ignition	Moist.
Adriatic	48.94	.0672	10.018	.247	1.982	.327	.194	.0070	5.557	11.50
Agnew	51.406	.0390	5.592	.551	1.525	.153	.127	Trace	3.660	15.27
Ajax*	48.29	.0565	10.440	1.566	1.305	.182	.200	.0069	3.915	13.00
Albany (Group)	50.60	.0579	4.601	.882	1.582	.198	.181	.0086	6.314	13.50
Albany Rex	48.18	.0631	5.864	2.197	2.620	.259	.164	.0112	5.570	13.50
Athens	55.17	.0315	5.886	.198	.774	.189	.171	.0099	4.023	10.00
Bangor	49.45	.0572	7.755	.589	1.873	.182	.156	.0095	5.378	13.25
Beaver	54.60	.074	3.20	.36	1.80	.053	.08	.016	.....	12.75
Bennett*	51.50	.0724	6.470	.859	2.792	.205	.143	.0161	5.003	10.50
Bessemer No. 3 Second Grade	51.35	.053	10.09	1.83	1.47	.18	.14	.009	3.35	8.30
Bessemer No. 4	50.41	.048	13.88	1.48	1.29	.16	.14	.004	2.54	7.50
Biwabik	56.003	.0409	4.776	.718	1.182	.227	.145	.0172	4.049	9.011
Bray	50.75	.056	6.72	1.17	2.13	.18	.14	.008	3.82	13.25
Brunt	47.45	.041	9.19	.55	3.99	.30	.44	.167	4.53	12.89
Carson	50.58	.039	5.74	.68	2.23	.14	.09	.016	4.29	15.00
Cavour	51.92	.073	6.73	.43	1.93	.19	.23	.011	4.21	11.47
Cordova*	52.90	.0644	9.660	.690	.644	.220	.239	.0101	3.128	8.00
Corsica	51.91	.0402	8.439	.322	1.494	.241	.179	.0080	4.591	10.50

MESABA RANGE—Continued

ORE	Iron	Phos.	Silica	Mang.	Alumina	Lime	Magnesia	Sulph.	Loss by Ignition	Moist.
Corsica-Non-Bessemer	47.53	.0559	9.746	.447	2.186	.206	.146	.0103	5.260	13.90
Crawford*	51.480	.0642	6.336	.572	1.276	.202	.220	.0105	5.412	12.00
Crete	53.77	.0457	3.836	.422	1.082	.211	.132	.0088	5.359	12.00
Crosby	50.96	.030	13.14	.637	1.28	.218	.182	.007	2.80	9.00
Croxton	52.32	.055	6.31	.44	1.37	.21	.20	.009	5.07	11.32
Cyprus	52.89	.0510	4.611	.563	1.733	.211	.202	.0088	4.840	12.00
Douglas	53.594	.0288	12.482	.....	.....	.....	.....	.....	.....	6.829
Dover	51.20	.056	7.36	.61	2.35	.19	.16	.031	4.16	13.37
Elba	53.37	.0369	6.966	.684	1.017	.243	.171	.0063	4.500	10.00
Euclid	50.46	.0783	6.960	.748	2.305	.121	.087	.0174	4.176	13.00
Forest-Platt*	50.71	.036	10.24	.46	1.74	.23	.21	.012	2.60	10.97
Fowler	49.180	.0609	8.012	.....	.....	.....	.....	.....	.....	13.094
Fowler No. 2	48.545	.0441	14.022	.....	.....	.....	.....	.....	.....	10.670
Franklin	54.40	.033	9.30	.70	1.22	.11	.09	.004	3.16	7.00
Gilwood	48.857	.0317	12.516	.522	.....	.....	.....	.....	.....	11.462
Grace	47.38	.058	3.69	.62	1.35	.....	.....	.....	.....	18.58
Grade X	49.28	.050	9.68	.48	1.50	.19	.18	.007	4.93	12.00
Grant	51.206	.0482	5.352	.....	.....	.....	.....	.....	.....	14.296
Group No. 1	53.075	.0372	5.520	.536	.....	.....	.....	.....	.....	11.756
Group No. 2	53.981	.0457	4.658	.553	.....	.....	.....	.....	.....	11.021
Group No. 3	49.931	.0743	5.145	.814	.....	.....	.....	.....	.....	13.124
Group No. 4	46.557	.0651	6.498	.851	.....	.....	.....	.....	.....	16.276
Group No. 5	51.145	.0413	10.712	.287	.....	.....	.....	.....	.....	8.464
Group No. 7	49.320	.0773	10.433	.477	.....	.....	.....	.....	.....	9.905
Group No. 8	51.400	.0449	11.521	.194	.....	.....	.....	.....	.....	9.420
Hawkins	51.631	.0434	8.398	.142	1.646	.593	Trace	Trace	3.620	11.50
Hawkins Washed	53.868	.0386	5.879	.223	.673	.287	.036	Trace	4.613	10.25
Helmer No. 1	52.80	.063	5.05	.87	.95	.27	.19	.004	3.48	12.00
Helmer No. 2	50.60	.070	5.05	2.20	1.67	.09	.14	.011	5.52	12.00
Holland	49.90	.040	9.98	1.37	1.40	.13	.24	.012	3.68	11.50
Hudson	51.16	.0672	5.430	.453	1.658	.226	.209	.0096	6.023	12.70
Kellog*	52.49	.035	9.06	.40	1.70	.23	.19	.019	3.46	9.81
Kinney No. 1	51.04	.069	4.48	.87	2.65	.26	.22	.017	4.41	13.50
Kinney No. 2	50.03	.069	4.68	1.08	2.97	.22	.24	.043	4.74	13.75
Kinney No. 3	47.88	.077	5.62	1.15	3.45	.26	.38	.034	5.34	14.50
Kinney No. 4	45.15	.061	8.26	1.44	6.48	.18	.38	.039	4.73	14.00
LaBelle*	50.246	.0232	11.435	.669	.954	.285	.169	.0107	2.854	10.80
LaRue	52.48	.025	11.74	.41	1.42	.30	.20	.011	2.24	8.57
Laura	47.57	.073	9.29	.88	1.86	.....	.....	.....	.....	13.86
Leetonia	50.569	.0474	7.580	.....	.....	.....	.....	.....	.....	12.146
Lincoln	55.912	.0208	11.371	.....	.....	.....	.....	.....	.....	5.755
Madrid*	52.90	.0377	9.200	.644	.644	.220	.239	.0101	3.128	8.00
Mahoning	57.17	.043	2.23	.31	1.45	.05	.04	.012	.....	11.38
Malta*	51.52	.0248	14.260	.460	.533	.156	.193	.0073	2.088	8.00
Mariska	48.40	.057	12.32	1.05	1.50	.22	1.76	.001	2.82	12.00
Meadow	47.924	.0713	9.093	.....	.....	.....	.....	.....	.....	13.718
Miller	52.340	.0757	4.561	.686	2.289	None	None	.0463	5.818	10.91
Minorca	52.30	.0252	13.991	.934	.579	.214	.196	.0074	2.661	6.60
Minorca Rex	50.51	.0499	11.072	3.237	1.267	.277	.212	.0064	3.922	7.50
Mohawk	49.33	.0643	7.647	.661	1.957	.226	.200	.0095	5.524	13.00
Monica	50.05	.032	15.20	.41	1.27	.15	.09	.002	2.00	9.00
Morrow*	53.00	.0538	8.399	.988	1.033	.107	.143	.0197	4.922	10.17
Morton*	51.920	.0396	5.676	.545	1.267	.202	.228	.0105	5.456	12.00
Nashwauk	50.09	.059	12.06	.36	1.91	.14	.13	.005	3.58	9.99
Onondaga	51.65	.034	12.94	.80	1.47	.20	.14	.001	2.07	8.00
Oxford	49.24	.073	6.77	.60	1.47	.27	.18	.002	3.20	11.00
Oxford No. 2	45.24	.078	10.72	1.66	3.18	.22	.24	.005	6.17	10.50
Pearce*	54.C0	.0400	6.861	.618	1.556	.282	.345	.0072	3.913	9.00
Pearson	48.96	.0300	16.525	.600	1.155	.209	.200	.0081	2.065	9.00
Perkins	50.40	.0619	5.658	.326	1.702	.232	.154	.0086	5.787	14.00
Pettit	49.82	.051	8.65	.40	1.53	.17	.16	.005	4.94	12.60
Phillips	49.71	.069	6.18	1.19	2.95	.21	.17	.026	4.82	14.30
Risco	49.28	.057	9.68	.71	1.76	.32	.22	.009	4.35	12.00
Ruddy	52.924	.0281	8.562	.571	.952	.199	.199	.0163	4.263	9.298
Schley	49.12	.051	10.62	.58	1.42	.22	.18	.009	4.87	11.50
Schley No. 2	48.16	.053	11.47	.53	2.12	.13	.08	.011	4.41	11.80

MESABA RANGE—Continued

ORE	Iron	Phos.	Silica	Mang.	Alumina	Lime	Magnesia	Sulph.	Loss by Ignition	Moist.
Scranton	45.19	.0688	6.367	.722	6.073	.252	.235	.0100	5.577	16.00
Seneca	48.20	.096	5.70	1.22	2.93	.20	.11	.017	5.31	15.00
Shelby*	47.06	.051	7.77	.68	2.56	.39	.75	.145	4.79	14.80
Shenango	53.180	.0398	.575	.81	2.05	.10	.09	.004	3.30	11.50
Shilling	51.627	.0691	5.337	.402	1.601	.131	.087	.0122	6.125	12.496
Sliver Manganese	49.03	.049	5.65	1.40	2.04	.20	.17	.009	5.99	13.83
Souther	49.15	.069	6.16	2.33	2.15	.23	.09	.013	4.43	13.17
Spring*	47.42	.0299	19.976	.290	.799	.145	.163	.0099	2.006	9.20
Stanton	44.298	.0505	9.142	.....	.....	.....	.....	.....	.....	18.012
Susquehanna	49.56	.062	6.25	.67	3.14	.09	.06	.019	4.12	15.00
Troy*	44.72	.0344	13.588	.928	1.272	.412	.756	.2115	4.429	14.00
Union	54.74	.041	7.73	.47	1.47	.32	.18	.001	3.22	8.00
Victoria	52.61	.051	7.58	1.36	1.59	.21	.14	.014	3.72	9.29
Virginia Bessemer	49.37	.0343	9.891	.800	1.654	.360	.492	.1768	3.810	12.00
Virginia Non-Bessemer	48.66	.0510	7.506	1.513	2.164	.448	.545	.2877	5.588	12.00
Wacootah	49.717	.0590	5.146	.670	5.023	.106	.141	.0732	5.282	11.82
Webb Bessemer	49.280	.0404	12.90	.47	1.58	.17	Trace	.....	3.50	12.00
Webb Non-Bessemer	49.020	.0860	6.02	.91	1.58	.17	.09	.....	4.19	14.00
Wellington	46.71	.071	7.68	.53	3.12	.17	.06	.017	6.01	15.61
White Iron	50.01	.065	8.50	.93	1.71	.14	.16	.010	3.64	12.80
Whiteside Bessemer	54.167	.0429	3.58	1.01	.56	.60	.19	.....	3.69	10.60
Whiteside Non-Bessemer	50.374	.0792	6.06	.90	2.28	.06	.02	.....	4.85	11.00
Wills	47.00	.071	11.84	1.78	1.51	.09	.31	.011	5.07	11.00
Wilpen	50.179	.069	6.06	1.06	2.01	.08	.10	.....	3.73	13.50
Woodbridge	50.03	.071	4.57	1.13	2.56	.11	.17	.019	6.86	13.00
Yawkey*	48.27	.0715	7.395	.706	1.922	.267	.163	.0103	6.361	13.80

VERMILLION RANGE

ORE	Iron	Phos.	Silica	Mang.	Alumina	Lime	Magnesia	Sulph.	Loss by Ignition	Moist.
Chandler	54.56	.0377	10.025	.132	3.842	.292	.264	.0084	1.821	5.60
Frontier	58.066	.0704	6.010	.119	.....	.....	.....	.....	.....	5.838
Jura	57.668	.1054	5.165	.108	.....	.....	.....	.....	.....	5.988
Pioneer	59.083	.0373	5.391	.105	.....	.....	.....	.....	.....	5.928
Savoy	59.994	.0361	4.995	.102	.....	.....	.....	.....	.....	5.681
Section 30	57.19	.0617	9.899	.095	1.738	.285	.180	.0104	1.254	5.00
Section 30 Bessemer	60.01	.0406	6.066	.075	1.483	.198	.170	.0113	.982	5.50
Sullivan*	56.70	.0415	10.111	.085	1.464	.198	.170	.0113	1.011	5.50
Vermillion Lump	63.941	.1390	5.347	.089	.....	.....	.....	.....	.....	.964

CANADIAN ORES

Michipicoten District

ORE	Iron	Phos.	Silica	Mang.	Alumina	Lime	Magnesia	Sulph.	Loss by Ignition	Moist.
Algoma	41.55	.031	32.40	.19	1.86	.11	1.27	.18	1.49	6.00
Helen No. 1	56.704	.0905	3.431	.153	.838	.219	.133	.172	.....	4.70
Helen No. 2	51.968	.1120	4.032	.148	.788	.206	.125	.412	.....	10.40

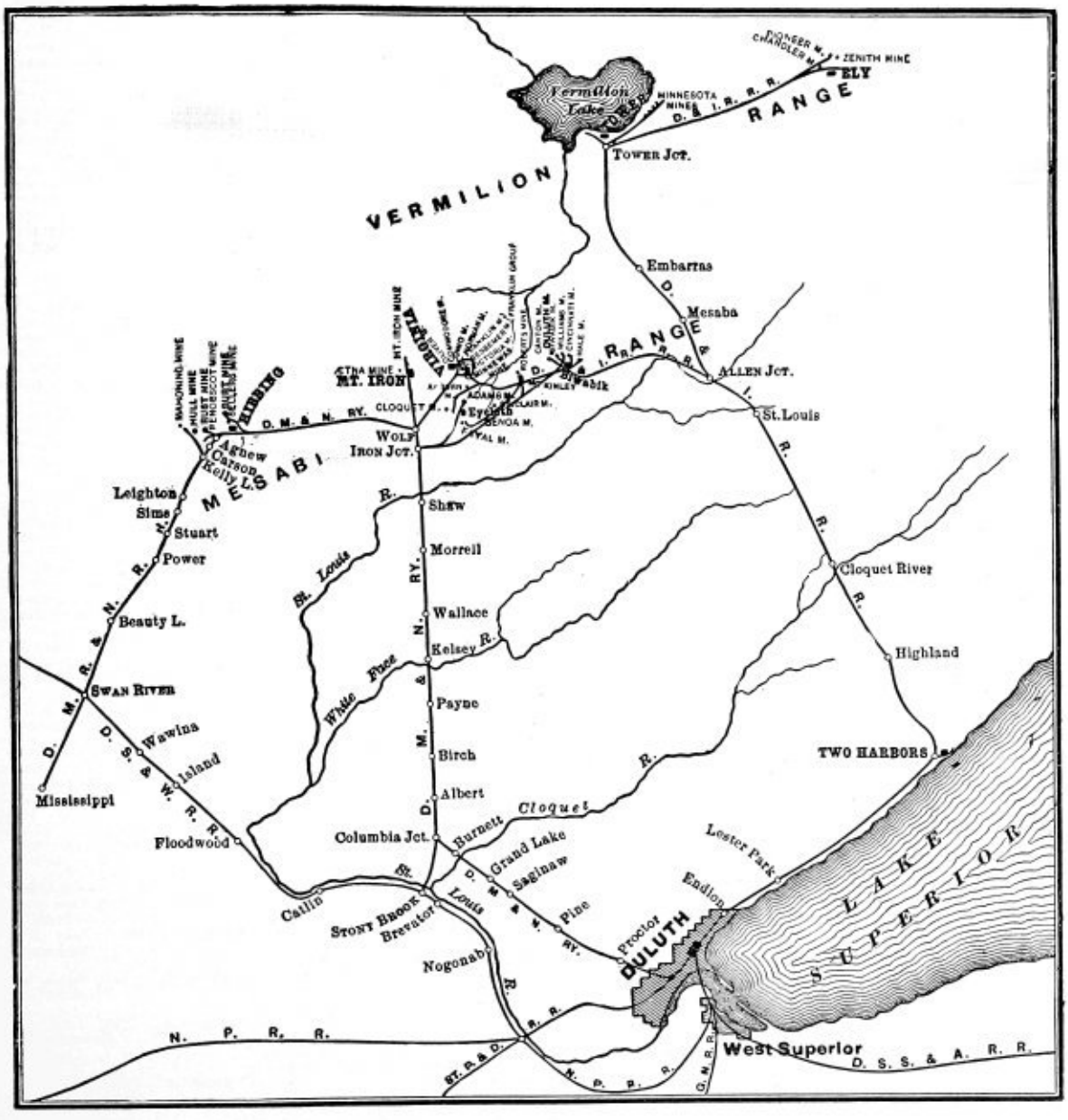
Sudbury District

ORE	Iron	Phos.	Silica	Mang.	Alumina	Lime	Magnesia	Sulph.	Loss by Ignition	Moist.
Moose Mountain	54.05	.098	14.13	.07	1.81	3.93	3.61	.031	.48	.96
Moose Mountain Briquettes	64.03	.017	4.69	.06	.71	1.14	1.13	.008	None	1.00

Hastings County

ORE	Iron	Phos.	Silica	Mang.	Alumina	Lime	Magnesia	Sulph.	Loss by Ignition	Moist.
Magnetic Concentrates*	57.53	.024	6.77	.06	1.17	6.05	2.93	.195	1.21	2.50

Lake Superior Iron Ranges of Latest Development.



Iron Ore Mines of the Lake Superior Region.

LOCATION OF MINES, PRODUCT (BESSEMER OR NON-BESSEMER), WITH NAMES AND ADDRESSES OF OWNERS OR SALES AGENTS.

Oliver Iron Mining Co., Duluth, Minn.

One of the constituent companies of the United States Steel Corporation—The organization in charge of iron mines.

Name and location of mine.	Range.	Bessemer or Non-Bessemer.
Champion, Beacon, Mich.	Marquette	Non-Bessemer.
Lake Superior Iron Co. (¾)— Ishpeming, Mich.	Marquette	Bess. & Non-Bess.
Moore, Palmer, Mich.	Marquette	Non-Bessemer.
Stegmiller, Swanzy, Mich.	Marquette	Non-Bessemer.
Queen (¾), Negaunee, Mich.	Marquette	Non-Bessemer.
Winthrop, Ishpeming, Mich.	Marquette	Non-Bessemer.
Aragon, Norway, Mich.	Menominee	Non-Bessemer.
Chapin, Iron Mountain, Mich.	Menominee	Non-Bessemer.
Cuff, Iron Mountain, Mich.	Menominee	——
Cundy, Quinnesec, Mich.	Menominee	Non-Bessemer.
Iron Ridge, Iron Ridge, Wis.	Menominee	Non-Bessemer.
Mansfield, Crystal Falls, Mich.	Menominee	Non-Bessemer.
Michigan, Amasa, Mich.	Menominee	Non-Bessemer.
Riverton, Iron River, Mich.	Menominee	Non-Bessemer.
Atlantic, Iron Belt, Wis.	Gogebic	Bessemer.
Aurora, Ironwood, Mich.	Gogebic	Bessemer
Chicago, Wakefield, Mich.	Gogebic	Non-Bessemer.
Davis, Ironwood, Mich.	Gogebic	Bess. & Non-Bess.
Geneva, Ironwood, Mich.	Gogebic	Bess. & Non-Bess.
Norrie, Ironwood, Mich.	Gogebic	Bess. & Non-Bess.
Plumer, Ironwood, Mich.	Gogebic	Bess. & Non-Bess.
Puritan, Ironwood, Mich.	Gogebic	Bessemer.
Tilden, Bessemer, Mich.	Gogebic	Bess. & Non-Bess.
Iroquois, North Freedom, Wis.	Baraboo	Bessemer.
Pioneer, Ely, Minn.	Vermilion	Bessemer.
Savoy, Ely, Minn.	Vermilion	Bess. & Non-Bess.
Sibley, Ely, Minn.	Vermilion	Bess. & Non-Bess.
Soudan, Soudan, Minn.	Vermilion	Non-Bessemer.
Zenith, Ely, Minn.	Vermillion	Bessemer.
Adams, Eveleth, Minn.	Mesabi	Bess. & Non-Bess.
Auburn, Virginia, Minn.	Mesabi	Non-Bessemer.
Arcturus, Marble, Minn.	Mesabi	Bess. & Non-Bess.
Burt, Hibbing, Minn.	Mesabi	Bess. & Non-Bess.
Canisteo, Coleraine, Minn.	Mesabi	Bess. & Non-Bess.
Canton, Biwabik, Minn.	Mesabi	Bess. & Non-Bess.
Clark, Chisholm, Minn.	Mesabi	Bess. & Non-Bess.
Chisholm, Chisholm, Minn.	Mesabi	Bess. & Non-Bess.
Dale, Hibbing, Minn.	Mesabi	Bess. & Non-Bess.
Day, Hibbing, Minn.	Mesabi	Bess. & Non-Bess.
Donora, Hibbing, Minn.	Mesabi	——
Duluth, Biwabik, Minn.	Mesabi	Bess. & Non-Bess.
Fayal, Eveleth, Minn.	Mesabi	Bess. & Non-Bess.
Genoa, Gilbert, Minn.	Mesabi	Bess. & Non-Bess.
Glen, Chisholm, Minn.	Mesabi	Bess. & Non-Bess.
Gilbert, Gilbert, Minn.	Mesabi	Bess. & Non-Bess.
Graham, Mesabi, Minn.	Mesabi	——
Harold, Hibbing, Minn.	Mesabi	Bess. & Non-Bess.
Hartley, Chisholm, Minn.	Mesabi	Bess. & Non-Bess.
Higgins, Virgmia, Minn.	Mesabi	Bess. & Non-Bess.
Hill, Marble, Minn.	Mesabi	Bess. & Non-Bess.
Holman, Taconite, Minn.	Mesabi	Bess. & Non-Bess.
Hull-Rust, Hibbing, Minn.	Mesabi	Bess. & Non-Bess.
Humphreys, Chilsholm, Minn.	Mesabi	——
Leonard, Chisholm, Minn.	Mesabi	Bess. & Non-Bess.
Mace, Hibbing, Minn.	Mesabi	Bess. & Non-Bess.
Minnewas, Eveleth, Minn.	Mesabi	Bess. & Non-Bess.
Mississippi, Hibbing, Minn.	Mesabi	Bess. & Non-Bess.
Monroe-Tener, Chisholm, Minn.	Mesabi	Bess. & Non-Bess.
Morris, Hibbing, Minn.	Mesabi	Bess. & Non-Bess.
Mountain Iron, Mountain Iron, Minn.	Mesabi	Bess. & Non-Bess.
Myers, Chisholm, Minn.	Mesabi	Bessemer.
McKinley, McKinley, Minn.	Mesabi	Bess. & Non-Bess.
North Uno, Hibbing, Minn.	Mesabi	Bess. & Non-Bess.
Penobscot, Hibbing, Minn.	Mesabi	Bess. & Non-Bess.
Pillsbury, Chisholm, Minn.	Mesabi	Bess. & Non-Bess.
St. Clair, Chisholm, Minn.	Mesabi	Non-Bessemer.
Sauntry-Alpena, Virginia, Minn.	Mesabi	Bess. & Non-Bess.
Sellers, Hibbing, Minn.	Mesabi	Bessemer.
Sharon, Buhl, Minn.	Mesabi	Non-Bessemer.
South Uno, Hibbing, Minn.	Mesabi	Bess. & Non-Bess.
Spruce, Eveleth, Minn.	Mesabi	Bess. & Non-Bess.
Stephens, Colby, Minn.	Mesabi	Non-Bessemer.
Virginia, Virginia, Minn.	Mesabi	Bess. & Non-Bess.
Vivian, Mesabi, Minn.	Missabe	——
Winifred, Hibbing, Minn.	Mesabi	Bess. & Non-Bess.

M. A. Hanna & Co., Cleveland.

This firm represents as sales agents the mines herewith:

Name and location of mine.	Range.	Bessemer or Non-Bessemer.
American, Ishpeming, Mich.	Marquette	Bessemer
Anvil, Bessemer, Mich.	Gogebic	Bes. & Non-Bes.
Bates, Iron River, Mich.	Menominee	Non-Bessemer
Bessemer, Virginia, Minn.	Mesaba	Non-Bessemer
Bessemer-Coe Hill - Blairton, Hastings county	Ontario	Bess. & Non-Bess.
Brunt, Mountain Iron, Minn.	Mesaba	Non-Bessemer
Cambria, Negaunee, Mich.	Marquette	Non-Bessemer
Croxton, Chisholm, Minn.	Mesaba	Non-Bessemer
Forest, Nashwauk, Minn.	Mesaba	Bessemer
Florence, Florence, Wis.	Menominee	Non-Bessemer
Frantz, Buhl, Minn.	Mesaba	Non-Bessemer
Hanna, Mountain Iron, Minn.	Mesaba	Non-Bessemer
Helmer, Kinney, Minn.	Mesaba	Non-Bessemer
Hobart, Sparta, Minn.	Mesaba	Non-Bessemer
Hollister, Crystal Falls, Mich	Marquette	Non-Bessemer
Kellogg, Biwabik, Minn.	Mesaba	Bessemer
Kinney, Kinney, Minn.	Mesaba	Non-Bessemer
La Belle, McKinley, Minn.	Mesaba	Bessemer
Larkin, Virginia, Minn.	Mesaba	Bess. & Non-Bess.
La Rue, Nashwauk, Minn.	Mesaba	Bess. & Mangan.
Laura, Hibbing, Minn.	Mesaba	Non-Bessemer
Lillie, Negaunee, Mich.	Marquette	Non-Bessemer
Loretto, Loretto, Mich.	Menominee	Bess. & Non-Bess.
Mahoning, Hibbing, Minn.	Mesaba	Bess. & Non-Bess.
Mariska, Gilbert, Minn.	Mesaba	Non-Bessemer
Miller, Biwabik, Minn.	Mesaba	Non-Bessemer
Newport, Ironwood, Mich.	Gogebic	Bess. & Non-Bess.
Onondaga, Virginia, Minn.	Mesaba	Non-Bessemer
Palms, Bessemer, Mich.	Gogebic	Bess. & Non-Bess.
Pettit, Gilbert, Minn.	Mesaba	Bessemer
Platt, Nashwauk, Minn.	Mesaba	Bessemer
Republic, Republic, Mich.	Marquette	Bess. & Non-Bess.
Richmond, Negaunee, Mich.	Marquette	Non-Bessemer
Schley, Gilbert, Minn.	Mesaba	Non-Bessemer
Sliver, Virginia, Minn.	Mesaba	Non-Bessemer
Victoria, Virginia, Minn.	Mesaba	Non-Bessemer
Vulcan, Norway, Mich.	Menominee	Bess. & Non-Bess.
Wacootah, Mount. Iron, Minn.	Mesaba	Non-Bessemer
Wills, McKinley, Minn.	Mesaba	Non-Bessemer

Cleveland-Cliffs Iron Co., Cleveland.

This firm occupies a powerful and independent position. It owns its mines and ships and acts as its own sales agent.

Austin, Princeton, Mich.	Marquette	Soft Bess. & Non-Bessemer.
Cliffs Shaft, Ishpeming, Mich.	Marquette	Hard Non-Bessemer.
Lake, Ishpeming, Mich.	Marquette	Soft Bessemer Non-Be-semer and Silicious.
Lucy, Negaunee, Mich.	Marquette	Soft Bess., Non-Bess. and Silicious.
Maas, Negaunee, Mich.	Marquette	Soft Bessemer and Non-Bess.
Moro, Ishpeming, Mich.	Marquette	Hard Non-Bessemer.
Negaunee, Negaunee, Mich.	Marquette	Soft Bess & Non-Bess.
North Jackson, Negaunee, Mich.	Marquette	Hard Bess. & Non-Bessemer.
One-half Imperial, Michigamme, Mich.	Marquette	Soft Non-Bessemer.
One-half Webster, Michigamme, Mich.	Marquette	Soft Non-Bessemer.
One-quarter Lake Superior Iron Co.'s mines at Ishpeming, Mich.	Marquette	Soft & Hard Bess. & Non-Bess.
One-quarter Regent Iron Co.'s mines at Negaunee, Mich.	Marquette	Soft Non-Bess.
Princeton, Princeton, Mich.	Marquette	Soft Non Bess.
Salisbury, Ishpeming, Mich.	Marquette	Soft Bess., Non-Bess. and Silicious.
Gwinn, Gwinn, Mich.	Marquette	Soft Bess. & Non-Bessemer.
South Jackson, Negaunee, Mich.	Marquette	Soft Bessemer Silicious & N.-Bess.
Stephenson, Princeton, Mich.	Marquette	Soft Bessemer and Non-Bess.

Name and location of mine.	Range.	Bessemer or Non-Bessemer.
Ogden, Ishpeming, Mich.	Marquette	Semi-hard Silicious Bessemer.
Chase, Ishpeming, Mich.	Marquette	Non-Bess. & Silicious.
North Lake, Ishpeming, Mich.	Marquette	Bess., Non-Bess. & Silicious.
Morris, Ishpeming, Mich.	Marquette	Bess., Non-Bess. & Silicious
Ashland, Ironwood, Mich.	Gogebic	Soft Bess. & Non-Bess.
Crosby, Nashwauk, Minn.	Mesabi	Soft Bess

The Tod-Stambaugh Co., Cleveland.

This firm is sales agent for the following mines:

Biwabik	Mesabi	Bess. & N-Bess.
Morton	Mesabi	Bess. & Non-Bess.
Pennington	Cayuna	Non-Bessemer
Ruddy	Mesabi	Bessemer.

Pickands, Mather & Co., Cleveland.

This firm controls and operates a number of the mines for which it is sales agent. For some of them, however, it merely acts as sales agent.

One-half Imperial, Michigamme, Mich.	Marquette	Non-Bessemer.
One-half of Negaunee, Negaunee, Mich.	Marquette	Bess. & Non-Bess.
One-half Webster, Michigamme, Mich.	Marquette	Non-Bessemer.
Baltic, Stambaugh, Mich.	Menominee	Non-Bessemer.
Bengal, Stambaugh	Menominee	Non-Bessemer
Bennel	Mesabi	Non-Bessemer
Beta, Iron River, Mich.	Menominee	Non-Bessemer.
Calumet, Metropolitan, Mich.	Menominee	Bessemer.
Caspian, Stambaugh, Mich.	Menominee	Non-Bessemer.
Fogarty, Stambaugh, Mich.	Menominee	Non-Bess.
Hemlock, Amasa, Mich.	Menominee	Non-Bessemer.
James, Iron River, Mich.	Menominee	Non-Bess.
Morrow	Mesabi	Non-Bessemer
Pearce	Mesabi	Non-Bessemer
Vivian, Quinnesec, Mich.	Menominee	Bessemer.
Walpole, Iron Mountain, Mich.	Menominee	Non-Bessemer.
Ajax-Hector	Mesabi	Non-Bessemer
Brotherton, Wakefield, Mich.	Gogebic	Bessemer.
Cary Mines, The, Hurley, Wis.	Gogebic	Manganiferous Bessemer.
Mikado, Wakefield, Mich	Gogebic	Non-Bessemer.
Sunday Lake, Wakefield, Mich.	Gogebic	Bessemer.
Chandler, Ely, Minn.	Vermilion	Bessemer.
Section 30, Ely, Minn.	Vermilion	Bess. & Non-Bess.
Adriatic, Mesaba, Minn.	Mesabi	Non-Bessemer.
Albany, Hibbing, Minn.	Mesabi	Non-Bessemer.
Bangor, Pewaubic, Minn.	Mesabi	Non-Bessemer.
Corsica, McKinley, Minn.	Mesabi	Bessemer.
Cyprus, Hibbing, Minn.	Mesabi	Non-Bessemer.
Elba, McKinley, Minn.	Mesabi	Bessemer.
Euclid, Chisholm, Minn.	Mesabi	Non-Bessemer.
Hudson, St. Louis Co., Minn.	Mesabi	Non-Bessemer.
Madrid, Virginia, Minn.	Mesabi	Bessemer.
Malta, Gilbert, Minn.	Mesabi	Bessemer.
Minorca, Virginia, Minn.	Mesabi	Bessemer.
Mohawk, Aurora, Minn.	Mesabi	Non-Bessemer.
Pearson, Itasca Co., Minn.	Mesabi	Bessemer.
Perkins, St. Louis Co., Minn.	Mesabi	Non-Bessemer.
Scranton, Hibbing, Minn.	Mesabi	Non-Bessemer.
Spring, Mesaba, Minn.	Mesabi	Bessemer.
Troy, Eveleth, Minn.	Mesabi	Bessemer.
Utica, Hibbing, Minn.	Mesabi	Bess. & N-Bess.
Virginia, St. Louis Co., Minn.	Mesabi	Bess. & Non-Bess.
Yawkey, Virginia, Minn.	Mesabi	Non-Bessemer.

Oglebay, Norton & Co., Cleveland.

This firm is sales agent for the mines herewith:

Empire, Palmer, Mich.	Marquette	Silicious Non-Bess.
Berkshire, Stambaugh, Mich.	Menominee	Non-Bessemer.
Buckeye, Commonwealth, Wis.	Menominee	Non-Bessemer.
Bristol, Crystal Falls, Mich.	Menominee	Non-Bessemer.
Chatham, Stambaugh, Mich.	Menominee	Non-Bessemer.
Clifford, Iron Mountain, Mich.	Menominee	Low Phosphorous Silicious.
Asteroid, Ramsay, Mich.	Gogebic	Bess. & Non-Bess.
Castile, Wakefield, Mich.	Gogebic	Bess. & Non-Bess.
Eureka, Ramsay, Mich.	Gogebic	Bess. & N-Bess.
Montreal, Hurley, Wis.	Gogebic	Bessemer.
Ottawa, Hurley, Wis.	Gogebic	Bess. & N-Bess.
Moose Mountain, Sellwood, Ont.	Canada	Bess. & Non-Bess.
Bray, Buhl, Minn.	Mesabi	Non-Bessemer.
Woodbridge, Buhl, Minn.	Mesabi	Bess. & Non-Bess.
Yale, Bessemer, Mich.	Gogebic	Bess. & Non-Bess.
Susquehanna, Hibbing, Minn.	Mesabi	Bessemer
Holland, Biwabik, Minn.	Mesabi	Non-Bessemer
Cavour, Buhl, Minn.	Mesabi	Bess. & Non-Bess.

Lake Erie Ore Co., Cleveland.

This firm is sales agent for the following mines:

Groveland, Randville, Mich.	Menominee	Bessemer.
Youngs, Iron River, Mich.	Menominee	Non-Bessemer.
McDonald, Crystal Falls, Mich.	Menominee	Non-Bessemer.

Cambria Steel Co., Philadelphia.

This company controls the following mines and uses the ore:

Name and location of mine.	Range.	Bessemer or Non-Bessemer.
Republic, Republic, Mich.	Marquette	Hard Bess. & Non-Bessemer.
Penn Iron Mining Co.'s mines at Vulcan and Norway, Mich.	Menominee	Bess. & N-Bess.
One-half Mahoning, Hibbing, Minn.	Mesabi	Bess. & N-Bess.

Corrigan, McKinney & Co., Cleveland.

This firm controls all the mines whose ore it handles.

Star West, Palmer, Mich.	Marquette	Silicious Bess.
Armenia, Crystal Falls, Mich.	Menominee	Non-Bessemer.
Baker, Stambaugh, Mich.	Menominee	Non-Bessemer.
Crystal Falls, Crystal Falls, Mich.	Menominee	Non-Bessemer.
Dunn, Crystal Falls, Mich.	Menominee	Non-Bessemer.
Fairbanks, Crystal Falls, Mich.	Menominee	Non-Bessemer.
Genesee, Crystal Falls, Mich.	Menominee	Non-Bessemer.
Great Western, Crystal Falls, Mich.	Menominee	Non-Bessemer.
Kimball, Crystal Falls, Mich.	Menominee	Non-Bessemer.
Lincoln, Crystal Falls, Mich.	Menominee	Non-Bessemer.
Quinnesec, Quinnesec, Mich.	Menominee	Silicious Bess.
Tobin, Crystal Falls, Mich.	Menominee	Non-Bessemer.
Tully, Crystal Falls, Mich.	Menominee	Non-Bessemer,
Colby, Bessemer, Mich.	Gogebic	Bessemer.
Ironton, Bessemer, Mich.	Gogebic	Bessemer.
Commodore, Virginia, Minn.	Mesabi	Bessemer,
Stevenson, Hibbing, Minn.	Mesabi	Bessemer.
St. James, Aurora, Minn.	Mesabi	Non-Bessemer.
St. Paul, Hibbing, Minn.	Mesabi	Non-Bessemer.

Republic Iron & Steel Co., Pittsburg, Pa.

This company controls the output of the following mines:

Cambria, Negaunee, Mich.	Marquette	Non-Bessemer.
Lillie, Negaunee, Mich.	Marquette	Non-Bessemer.
One-half Antoine Ore Co., Iron Mountain, Mich.	Menominee	Bessemer.
Bray, near Keewatin, Minn.	Mesabi	Bessemer.
Franklin and Victoria, Virginia, Minn.	Mesaba	Bessemer.
Kinney, near Buhl, Minn.	Mesaba	Bessemer.
Mariska, near Gilbert, Minn.	Mesaba	Bessemer.
Monica, near Biwabic, Minn.	Mesaba	Bessemer.
One-half Union, near Virginia, Minn.	Mesaba	Bessemer.
Onondaga, near Virginia, Minn.	Mesaba	Bessemer.
Pettit, near Gilbert, Minn.	Mesaba	Bessemer.
Schley, near Gilbert, Minn.	Mesabi	Bessemer.
Three-fiftieths Mahoning, Hibbing, Minn.	Mesaba	Bessemer.
Wills, McKinley, Minn.	Mesaba	Bessemer.

W. G. Pollock, Cleveland.

Sales agent, Western Reserve Bldg.

Lake Angeline, Ishpeming, Mich.	Marquette	Bessemer.

Jones & Laughlin Steel Co., Pittsburg.

Iron Mountain, Ishpeming, Mich.	Marquette	Non-Bessemer.
Rolling Mill, Negaunee, Mich.	Marquette	Non-Bessemer.
Jack Pot, Bessemer, Mich.	Gogebic	Bessemer.
Columbia, Virginia, Minn.	Mesabi	Non-Bessemer.
Fowler, Aurora, Minn.	Mesabi	Bess. & N.-Bess.
Grant, Buhl, Minn.	Mesabi	Non-Bessemer.
Leetonia, Hibbing, Minn.	Mesabi	Non-Bessemer.
Lincoln, Virginia, Minn.	Mesabi	Bessemer.
Longyear, Hibbing, Minn.	Mesabi	Non-Bessemer.
Meadow, Aurora, Minn.	Mesabi	Bess. & N.-Bess.
Nassau, Hibbing, Minn.	Mesabi	Non-Bessemer.

Andrews & Hitchcock Iron Co., Youngstown, O.

Six-fiftieths Mahoning mine, Hibbing, Minn.	Mesabi	Bessemer and Non-Bessemer.

Crerar, Clinch & Co., Chicago.

Foxdale, Humboldt, Mich.	Menominee	Bessemer.

General Summary of Lake Ore Statistics.

OUTPUT BY PORTS AND RANGES.

All figures in the following tables (gross tons in every case) are from reports furnished to the Marine Review by agents of the railway companies in charge of ore shipping docks at upper lake ports.

Information regarding the docks at Escanaba, Gladstone, Marquette, Ashland, Superior, Duluth and Two Harbors, from which this ore is shipped, will be found on page 218. On that page will be found also a list of the firms and corporations controlling the sale of Lake Superior ore, together with names of the railways operating between mines and shipping ports, and also the names of agents in charge of the shipping docks. Ships of 5,000 to 10,000 gross tons capacity are loaded at these docks in a few hours, as they contain bins or pockets with chute attachments, and the ore, always stored in large quantities, is readily dropped through the chutes into the holds of the vessels.

SHIPMENTS FROM ALL MINES IN LAKE SUPERIOR REGION SINCE OPENING OF FIRST MINE ON MARQUETTE RANGE.*

Year	Gross Tons	Year	Gross Tons	Year	Gross Tons	Year	Gross Tons
1854	3,000	1869	617,444	1884	2,518,693	1899	18,271,535
1855	1,449	1870	830,940	1885	2,466,642	1900	19,080,379
1856	36,348	1871	779,760	1886	3,565,144	1901	20,615,907
1857	25,646	1872	900,901	1887	4,762,107	1902	27,585,404
1858	15,876	1873	1,162,458	1888	5,063,877	1903	24,308,510
1859	68,832	1874	919,557	1889	7,202,643	1904	21,849,401
1860	114,401	1875	891,257	1890	9,003,725	1905	34,384,116
1861	49,909	1876	992,764	1891	7,071,053	1906	38,565,762
1862	124,469	1877	1,014,687	1892	9,082,370	1907	42,296,068
1863	203,055	1878	1,111,110	1893	6,073,641	1908	26,014,987
1864	248,127	1879	1,375,691	1894	7,759,753	1909	42,586,869
1865	236,208	1880	1,908,647	1895	10,445,509	1910	43,442,397
1866	278,796	1881	2,319,409	1896	9,947,972	1911	32,793,130
1867	473,567	1882	2,965,412	1897	12,475,120	1912	48,221,546
1868	491,449	1883	2,352,840	1898	14,042,824		

* Includes rail shipments, which as shown by detailed statements for past five years (see table just below) are unimportant as compared with the lake movement.

Shipment by Ports, 1912 and Four Years Previous.

Ports.	1912 Gross Tons	1911 Gross Tons	1910 Gross Tons	1909 Gross Tons	1908 Gross Tons
Escanaba	5,234,655	4,278,445	4,959,726	5,747,801	3,851,502
Ashland	4,797,101	2,429,290	4,094,374	3,834,267	2,543,670
Two Harbors	9,370,969	6,367,537	8,271,177	9,181,132	5,702,237
Duluth	10,495,577	6,934,269	13,640,166	13,470,503	8,808,168
Marquette	3,296,761	2,200,380	3,248,516	2,969,451	1,487,487
Superior	14,240,714	9,920,490	8,414,799	6,540,505	3,564,030
All-rail	785,769	662,719	813,639	903,270	587,893
Total	48,221,546	32,793,130	43,442,397	42,586,869	26,014,987

Shipments by Ranges For 1912 and Four Years Previous.

Ranges	1912 Gross Tons	1911 Gross Tons	1910 Gross Tons	1909 Gross Tons	1908 Gross Tons
Mesabi	32,047,409	22,003,532	29,201,760	28,176,281	17,257,350
Gogebic	5,006,266	2,603,318	4,315,314	4,068,057	2,099,856
Marquette	4,202,308	2,833,116	4,302,726	4,256,172	2,414,632
Menominee	4,711,400	3,911,174	4,237,738	4,875,385	2,679,156
Vermillion	1,844,981	1,088,930	1,203,177	1,108,215	841,544
Cayuna	305,111	147,431	91,682	82,759	122,449
Misc. in Wis'n	104,031	115,629			
Total	48,221,546	32,793,130	43,442,397	42,586,869	26,014,987

LAKE ERIE DOCKS - RECEIPTS AND SHIPMENTS.

All figures in the following tables are from reports received by the Marine Review on May 1 and Dec. 1 of each year from dock superintendents at Lake Erie ports. Tons are in all cases gross tons of 2,240 pounds, and it may be well to note that the gross ton prevails in all parts of this publication referring to iron ore. The ore receiving ports on Lake Erie covered by these statistics are Toledo, Sandusky, Huron, Lorain, Cleveland, Fairport, Ashtabula, Conneaut, Erie, Detroit, Buffalo and Tonawanda. It will be noted that there is quite a wide difference between the figures relating to receipts at Lake Erie ports and the total output from the Lake Superior mining region as shown in the opposite column. This is due, of course, to the large amount of ore that goes to the large works of the United States Steel Corporation at Chicago and to smaller furnace plants in Michigan and Wisconsin that do not take their supplies through Lake Erie docks.

Statistics of the Lake Erie dock business are not confined to the few years shown in the tables on this page. Records in the office of the Marine Review extend over a great number of years. The same is true, of course, of the shipments of ore by ports, by ranges, etc.

RECEIPTS AND SHIPMENTS OF ORE, ALL LAKE ERIE DOCKS; ALSO AMOUNTS ON DOCK MAY 1 AND DEC. 1 OF EACH OF THE PAST TEN YEARS. GROSS TONS.

	Receipts Season of Navigation.	Shipments to Furnaces Year ending May 1.	Shipments to Furnaces winter period ending May 1	On Dock May 1.	On Dock Dec. 1.
1912	37,465,853	26,428,799	3,250,419	5,881,245	9,497,16
1911	25,531,550	32,542,654	2,648,387	6,778,494	9,131,66
1910	34,042,897	33,764,842	3,687,538	5,278,251	9,426,88
1909	33,672,825	20,637,084	3,071,265	5,370,268	8,965,78
1908	20,527,052	31,845,603	1,905,428	5,480,300	8,441,533
1907	35,348,915	31,983,546	4,275,467	1,976,988	7,385,728
1906	32,194,205	29,446,561	4,672,638	1,791,090	6,252,455
1905	28,941,259	20,195,286	3,491 768	2,271,631	6,438 967
1904	17,932,814	18,739,995	1,836,982	4 534,103	5 763 399
1903	19,681,731	21,905 251	3,481,887	3 592,367	6,371,085
1902	22 649 424	17 246,085	3,011,409	2,848,194	7,074 254
1901	17,014 056	14,468 260	2,854,487	3 050,183	5,859,863
1900	15,797,787	15,882 881	3,809,627	1,720,656	5,904,570

TABLE SHOWING DIVISION OF ORE BUSINESS BETWEEN THE SEVERAL LAKE ERIE PORTS—RECEIPTS BY LAKE DURING FIVE YEARS PAST. GROSS TONS.

Ports.	1908	1909	1910	1911	1912
Toledo	680,553	1,374,224	1,225,202	493,345	1,405,023
Sandusky	...	11,088	...	...	...
Huron	213,377	243,082	197,951	223,947	540,586
Lorain	2,286,388	2,796,856	2,884,738	2,937,605	3,771,350
Cleveland	4 240,816	6,051,342	6,344,943	4,584,211	7,914,836
Fairport	1,518,961	1,734,277	1,516,434	666,365	1,810,381
Ashtabula	3,012,004	8,056,941	9,620,638	6,359,131	8,158,080
Conneaut	4,798,633	7,007,834	6,309,548	6,931,278	7,839,831
Erie	828,602	1,235,057	942,592	289,400	547,067
Buffalo and Tonawanda	2,895,099	5,002,235	4,704,439	2,802,976	5,060,642
Detroit	112,561	159,889	296,412	243,292	418,057
Total.	20 527,052	33,672,825	34,042,897	25,531,550	37,465,853

Lowest Transportation Charges in the World.

A COMPLETE RECORD OF LAKE SUPERIOR COMMERCE WITH COSTS PER TON PER MILE—DISCUSSION OF ST. MARY'S FALLS CANAL TRAFFIC FOR SOME THIRTY YEARS PAST—FREIGHT CHARGES, COMPARED WITH THE CHARGES OF LEADING TRUNK LINE RAILROADS.

It is necessary to again say that in dealing with commerce of the great lakes as a whole there is much that must be estimated, but in the St. Mary's Falls canal reports prepared by officials of the war department entrusted with the care of this waterway, we have complete records of the commerce of Lake Superior since 1855. These reports contain the best statistics of lake commerce collected by the government, and it is unfortunate that they are limited to the commerce of Lake Superior. Still, the movement of freight to and from Lake Superior is more than half of the entire freight movement of the lakes, and it is a great satisfaction to know that so much of the traffic is covered by these reports, and that they contain also carefully prepared summaries pertaining to values of the various commodities and cost of transportation. Local business between ports on Lake Superior is very small when compared with the through traffic, and on this account the canal statistics are all the more valuable.

Summaries of tonnage passing the Sault are the best indication of the enormous growth of lake commerce, about which so much has been written, as the greatest development of the grain and iron ore trades, especially in Minnesota, has been through ports at the head of Lake Superior. These canal reports show that in 1912 the freight movement had reached the enormous total of 72,472,676 net tons, against 25,643,073 tons in 1900, only twelve years previous. Similar gains are shown in the registered tonnage of vessels, which amounted to 56,736,807 tons in 1912, as against 22,315,834 tons in 1900. Following is a short extract from the reports, showing the increase since 1899 in leading commodities passing through the canals:

Year.	Flour, barrels.	Wheat, bushels.*	Iron ore, net tons.	Coal, net tons.
1899.....	7,114,147	58,397,335	15,328,240	3,940,887
1900.....	6,760,688	40,489,302	16,443,568	4,486,977
1901.....	7,634,350	52,812,636	18,090,618	4,593,136
1902.....	8,910,240	76,730,965	24,277,555	4,812,478
1903.....	7,093,380	61,384,552	21,654,898	6,937,633
1904.....	4,710,538	49,928,869	19,635,797	6,454,869
1905.....	5,772,719	68,321,288	31,332,637	6,509,056
1906.....	6,495,350	84,271,358	35,357,042	8,739,630
1907.....	6,524,770	98,135,775	39,594,944	11,400,095
1908.....	5,704,375	106,041,873	24,650,340	9,902,460
1909.....	7,094,175	113,253,561	40,014,978	9,940,026
1910.....	7,576,789	86,289,974	41,608,634	13,513,727
1911.....	7,246,495	97,141,911	30,731,235	15,332,876
1912.....	8,652,153	174,086,456	46,303,423	14,931,594

*In 1899 the movement of grain other than wheat aggregated 30,000,935 bushels; in 1900, 16,174,659; in 1901, 24,760,547; in 1902, 27,740,822; in 1903, 32,095,646; in 1904, 33,030,992; in 1905, 39,229,553; in 1906, 54,343,155; in 1907, 43,463,338; in 1908, 43,458,583; in 1909, 46, 519,451; in 1910, 39,245,485; in 1911, 40,782,609; in 1912, 69,024,546.

But more important than the tonnage increase is the proof which these reports contain of the low cost of moving freight on the lakes. During five years past the average cost of moving a ton of freight one mile on the lakes, as shown by these reports, has been eighty hundredths of a mill. And for ten years past the average has been ninety-one hundredths of a mill. A cost of 3½ mills per ton mile is about the lowest reached on the railways. Comparisons in this regard are made in the following table. Reports of the Lake Shore and Nickel Plate (New York, Chicago & St. Louis) railways have been selected for the reason that costs attending the movement of freight on these Vanderbilt lines are about as low as those of any other lines in the country. It must be understood, of course, that the railroad tonnage is largely made up of local freight, while the freight of the lakes is through traffic, and is composed of but few commodities, all of which are handled in large quantities and on long hauls. It should be noted that during the past three years the Lake Shore ceased to figure the cost per ton per mile. In its place are given from 1902 to 1912 the rate per ton per mile.

TONS OF FREIGHT MOVED ONE MILE AND COST PER TON PER MILE ON TWO LEADING TRUNK LINE RAILWAYS AND IN VESSELS PASSING THROUGH THE ST. MARY'S FALLS CANALS.

Year.	In vessels passing through St. Mary's Falls canals.		On N. Y. C. & St. L. Ry (Nickel Plate)		On Lake Shore & Michigan Southern Railway.	
	Tons moved one mile.	Cost per ton per mile.	Tons moved one mile.	Cost per ton per mile.	Tons moved one mile.	Cost per ton per mile
		Mills.		Mills.		Mi
1900*	21,179,229,014	1.18	1,210,172,317	3.71	3,620,829,452	3.29
1901*	23,382,861,989	.99	1,339,545,971	3.61	4,006,554,001	3.29
1902*	29,755,916,637	.89	1,219,576,176	3.64	4,053,501,252	5.17†
1903*	28,974,660,408	.92	1,309,956,766	4.26	4,610,710,625	5.21†
1904*	26,608,815,636	.81	1,406,653,840	4.23	4,592,721,348	5.22†
1905*	36,892,797,973	.85	1,484,121,495	5.13†	5,099,918,804	5.20†
1906*	43,596,953,680	.84	1,625,274,615	5.20	5,621,502,883	5.21†
1907*	48,221,465,547	.80	1,667,752,045	5.11†	5,141,263,554	5.33†
1908*	34,853,548,177	.69	1,488,383,257	5.26†	4,852,862,871	5.25†
1909*	46,812,929,345	.78	1,602,562,829	5.16†	5,736,452,739	5.18†
1910	52,405,535,136	.74	1,839,361,009	5.04	6,243,183,597	5.23
1911	44,173,813,400	.67	1,782,255,591	5.15	5,841,012,416	5.32
1912	60,242,833,014	.67	2,046,244,889	5.02	6,874,015,071	5.29

*American and Canadian canals.

†Rate per ton mile. Lake Shore has not figured cost per ton mile since 1901, nor Nickle Plate since 1904.

COMPARISON OF COMMERCE—ST. MARY'S FALLS AND SUEZ SHIP CANALS.

Year.	Number of vessel passages, including unregistered craft		Net registered tonnage passing.	
	St. Mary's Falls canals	Suez canal.	St. Mary'ss Falls canal	Suez canal.
1885.....	5,380	3,624	3,035,937	6,335,753
1886.....	7,424	3,100	4,219,397	5,767,656
1887.....	9,355	3,137	4,897,598	5,903,024
1888.....	7,803	3,440	5,130,659	6,640,834
1889.....	9,579	3,425	7,221,935	6,783,187
1890.....	10,557	3,389	8,454,435	6,890,094
1891.....	10,191	4,207	8,400,685	8,698,777
1892.....	12,580	3,559	10,647,203	7,712,029
1893.....	12,008	3,341	8,449,754	7,659,068
1894.....	14,491	3,352	13,110,366	8,039,175
1895*.....	17,956	3,434	16,806,781	8,448,383
1896*.....	18,615	3,409	17,249,418	8,560,284
1897*.....	17,171	2,986	17,619,933	7,899,374
1898*.....	17,761	3,503	18,622,754	9,238,603
1899*.....	20,255	3,607	21,958,347	9,895,630
1900*.....	19,452	3,441	22,315,834	9,738,152
1901*.....	20,041	3,699	24,626,976	10,823,840
1902*.....	22,659	3,708	31,955,582	11,248,413
1903*.....	18,596	3,761	27,736,444	11,907,288
1904*.....	16,120	4,237	24,364,138	13,401,835
1905*.....	21,679	4,116	36,617,699	13,134,105
1906*.....	22,155	3,975	41,098,324	13,445,504
1907*.....	20,437	4,267	44,087,974	14,728,434
1908*.....	15,181	3,795	31,091,730	13,633,283
1909.....	19,204	4,239	46,751,717	15,407,527
1910.....	20,809	4,533	49,856,123	16,581,898
1911.....	18,673	4,969	41,653,488	18,324,794
1912.....	22,778	.....	56,736,807	.....

*Includes traffic of Canadian canal at Sault Ste. Marie.

Mean net registered tonnage of vessels passing St. Mary's Falls canals in 1908, 2,048 Suez canal, same year, 3,592.

NOTE.—St. Mary's Falls canals are open to navigation during a season of about 254 days; Suez canal open during full year.

Railway Terminal Facilities for Ore Traffic on Lake Erie.

LIST OF RAILWAYS AND DOCK COMPANIES OPERATING AT THE SEVERAL PORTS—SUMMARY OF DOCKS WITH EQUIPMENT IN ALL CASES—NAMES OF DOCK SUPERINTENDENTS.

In the following paragraphs brief summaries are made of the machinery equipment on some thirty-five docks at Lake Erie ports, over which 37,465,853 gross tons of ore were handled during the navigation season in 1912. At most of these docks vessels of 7,500 to 10,000 gross tons capacity can be unloaded in a single working day. Some of them have records of 10,000 tons unloaded in a trifle over four hours. Of course it is understood that ships are often held for two or three days at dock awaiting their turn.

BUFFALO, N. Y.

Buffalo Union Furnace Co., B. Marron, general manager, and John J. Sammon, superintendent.—Dock completed and now consists of one dock equipped with four Brown rigs having Hulett clam shell buckets of about 150 gross tons capacity per hour; also two McMyler three-ton bridges equipped with McMyler clam shell buckets of 100 tons capacity per hour per rig. All machines have Andrews scrapers, are movable on dock, and will work hatches of 16-ft. centers and over.

Buffalo, Rochester & Pittsburgh Ry. Co., George S. Mulford, agent.—Two automatic Hulett ore unloaders. No storage for ore.

Rochester & Pittsburgh Coal & Iron Co., E. M. Duthie, sales agent, 1220 Prudential building. Fuel lighter of 600 tons capacity.

Lehigh Valley Railroad, H. C. Hamilton, assistant general freight agent.—Two Brown hoists with three legs each. Two McMyler three-ton grab buckets.

Lackawanna Steel Co., Carl Jacobson, dock superintendent.—Five Hulett automatic unloading machines.

Tonawanda Iron & Steel Co., North Tonawanda, N. Y.—Brown hoisting and conveying plant of four legs.

Rogers-Brown Iron Co., 57 Erie Co. Bank Bldg., Buffalo, N. Y.—Five Brown bridges, capacity fifteen tons per minute.

Pennsylvania Railroad Co., J. P. Heindell, dock master.—One Hulett automatic electric direct ore unloader and two Brown automatic electric direct ore unloaders. Machines are of the largest and fastest design. Unloading capacity, 5,000 gross tons in ten hours. Storage capacity, 300,000 tons. Location of dock, South Buffalo on Union Canal. Vessel entrance, Buffalo breakwater. South entrance, (Stony Point). Postoffice address, Lackawanna, N. Y.

The Ashtabula & Buffalo Dock, operated by the Ashtabula & Buffalo Dock Co., W. E. Chilson, superintendent.—Three Brown electric clams.

Wickwire Steel Co., Station B, Black Rock, Buffalo—One 10-ton Hulett automatic electric ore unloader.

CONNEAUT, O.

Pittsburg & Conneaut Dock Co., R. R. Richardson, general superintendent.—Three Brown rigs of nine machines; two King rigs of four machines; eight revolving derricks; four Brown electric unloaders; two Brown electric bridges; four Hulett steam unloaders; one Hulett electric unloader; four McMyler rigs of twelve machines; one McMyler car dump; one fuel lighter; five steam shovels for loading ore from dock. This dock is equipped with an electric power plant complete for driving electric machines and performing other service.

ERIE, PA.

Erie & Pittsburg Ry., D. K. Smith, superintendent for the Ohio & Western Penna Dock Co.—Twenty-four Brown hoists of 1896 design, twelve of which are equipped with Hulett automatic buckets and Andrews scrapers.

Penna. R. R. Co., Erie Division, Thomas A. Roberts, freight agent.—Two McMyler hoists of steel construction with 2-ton clam shell buckets; also Hulett unloader with electric power installed 1908. The dock has a double shift of labor making the capacity for receiving 8,000 tons in a day and night of 20 working hours. There are also two standard gauge machines with clam shell buckets for loading from dock.

ASHTABULA, O.

Pittsburg-Youngstown-Ashtabula Ry. Co. (Pennsylvania side), J. M. Amsden, superintendent for The Ohio & Western Pennsylvania Dock Co.—Three plants, two of twelve legs each and one of six. They are all equipped with Hulett 2-ton grab buckets and Andrews scrapers. Two of these plants may be divided so as to work any number of hatches. The third is stationary, suited to work any number of hatches up to twelve. At this third plant hatches of any distance between centers, from 24 feet upward, may be worked. Six Hoover & Mason 6-ton electric unloaders. J. M. Amsden, superintendent, Ashtabula, for Lower Lake Dock Co.—One McMyler car dump.

The Lake Shore & Michigan Southern Railway Company, Ashtabula Harbor, Ohio, J. D. Chapman, agent.

The following docks are operated by the Lake Shore & Michigan Southern Railway Co., The Ashtabula & Buffalo Dock Co., stevedores, E. O. Whitney, superintendent. No. 1 Extension has four electric Hulett ore unloaders, 15-ton buckets, and stocking bridge; Dock No. 1, six Hoover & Mason Clam Shell automatic unloaders, and 10 Brown Hoist machines; Dock No. 2, 12 Brown Hoist machines; Dock No. 7, four Hoover & Mason Shell automatic unloaders.

Dock No. 2 Extension, operated by Lake Shore & Michigan Southern Railway Co., the Pollock-Becker Co., stevedores, J. H. Burton, superintendent.—Four electric Hulett ore unloaders, 15 ton buckets, and stocking bridge.

Dock No. 8, operated by Lake Shore & Michigan Southern Railway Co., Pickands-Mather & Co., stevedores, E. O. Whitney, superintendent.—One McMyler Car Dump machine for loading coal.

Dock No. 9, operated by Lake Shore & Michigan Southern Railway Co., Pittsburgh Coal Co., stevedores, R. W. Dingree, superintendent.—One McMyler Dump machine for loading coal.

Total equipment of Lake Shore & Michigan Southern Ry. Co., docks at Ashtabula Harbor.—Eight

electric Hulett ore unloaders; ten Hoover & Mason Clam Shell automatic unloaders; twenty-two Brown Hoist machines; two McMyler coal loading machines; five steam shovels and one McMyler machine for loading ore from dock to car.

FAIRPORT, O.

Pennsylvania & Lake Erie Dock Co., Gordon S. Meek, superintendent.—Six five-ton Brown Electric Unloaders. These rigs can be used together or separate to operate as six individual rigs loading either direct into cars or onto dock. Five McMyler Revolving Derricks equipped with Swedenborg grapple buckets for loading ore from dock into cars. Four Brown rigs of three legs each. These rigs can be used together or separate. Six McMyler Revolving Derricks for unloading direct into cars. The Pittsburg Coal Co. operates on these docks a fast McMyler side dump coal machine for loading vessels with coal. Also a fuel lighter for furnishing vessels fuel.

CLEVELAND, O.

Erie Dock Co., W. T. Moore, superintendent.—Four Brown plants of three machines each. All are portable and can be divided up in any way desired. Four Hoover & Mason clamshell machines with storage pockets of 3,000 tons capacity. Four Brown clamshell machines with individual pockets of 200 capacity each.

Cleveland & Pittsburg Ore Dock, operated by The Ohio & Western Pennsylvania Dock Co., C. E. Cole, superintendent.—One Hoover & Mason six-leg, 5-ton bucket, automatic unloading plant. Four Hulett solid arm automatic unloaders of 17-ton capacity, together with 15-ton ore conveyor bridge. All electric.

The River Dock Co., A. P. McClure, superintendent.—Three Wellman-Seaver-Morgan 10-ton Hulett automatic ore unloaders and one 10-ton Brown Hoisting Machinery Co.'s ore bridge.

Wheeling & Lake Erie Railroad, J. B. Blackmer, dock superintendent.—Two McMyler rotary hoists of 800 tons daily capacity. Receives no ore.

Cleveland Furnace Co., J. B. Blackmer, dock superintendent.—Two five-ton Brown fast plant machines of 3,600 tons daily capacity. Four 2-ton McMyler whirlies, and three 1-ton McMyler whirlies. Two 5-ton Browns being remodeled, increasing capacity to 6,000 tons per 20 hours.

American Steel & Wire Co., Central Furnaces, Q. A. Gillmore, sup't.—Four five-ton automatic Hoover & Mason buckets operating on conveying bridges; four McMyler Mfg. Co. bridges equipped with 1½-ton Hulett automatic buckets; two Wellman-Seaver-Morgan Co. cantilever bridges with 2½-ton Hulett automatic bucket; also two Wellman-Seaver-Morgan 10-ton Hulett automatic ore unloaders and one 12-ton bridge.

The Upson Nut Co., Willard Fuller, general superintendent.—One bridge with 5-ton clam, built by The Wellman-Seaver-Morgan Co. Some of the old machines will be removed during 1910.

LORAIN, O.

Baltimore & Ohio Railroad Co., C. E. Pierce, agent.—For iron ore, three legs of Brown hoist type, equipped with clam shells, and four two-ton revolving derricks. For coal, one improved McMyler car dumping machine, capacity 5,000 tons in ten hours; also a five-ton revolving derrick and pocket fueling scow of 1,000 tons capacity equipped with a five-ton hoisting derrick; also a new modern McMyler car dump of 10,000 tons capacity in ten hours.

The National Tube Co.—Four Hulett ore unloading machines; also two Hoover & Mason ore bridges.

HURON, O.

Wheeling & Lake Erie Railroad Co., T. R. Gillmore, dock superintendent.—One hoisting and conveying plant of four legs, one leg equipped with McMyler automatic clam shell bucket and three legs with Wellman-Seaver-Morgan automatic clam shell buckets, four rotary derricks of McMyler manufacture, and five clam shell derricks, Hulett pattern, and four 5-ton clam shell fast unloaders of Wellman-Seaver-Morgan Engineering Co.'s make. Two car dumpers of McMyler type. One ore storage bridge ton clam shovel buckets. In addition, the company is installing two 15-ton Hulett machines.

SANDUSKY, O.

Baltimore & Ohio Railroad, A. J. Bell, agent.—One plant of five legs, called "Beckert" derrick; can be moved to suit hatches; also two McMyler machines; also fast plant for transfer of coal from cars to vessels, capable of handling 4,500 to 5,000 tons in ten hours.

TOLEDO, O.

Toledo & Ohio Central Ry. Co., Charles A. Hoyt, dock master.—Three Brown electric power, five-ton grab bucket machines, capacity 500 tons per hour; also car dumping machine of McMyler type for coal.

Cincinnati, Hamilton & Dayton Ry. Co., E. F. Holbrook, gen'l agt.—Two 15-ton Hulett machines, two new McMyler cranes with capacity for handling 500 tons per hour. One McMyler rotary hoist equipped with clams capable of handling sand and ore.

Hocking Valley Ry. Co., Charles A. Hoyt, dock master.—Two ore unloading machines, four legs, of Brown type. One McMyler and one Brown car dump for loading coal.

Detroit, Toledo & Ironton Railway Co.—Ore unloaded by The Toledo Furnace Co., E. B. Hull, general superintendent.

The Toledo Furnace Co.—Three Hoover & Mason electric power 5-ton grab bucket machines, capacity 500 tons per hour.

DETROIT, MICH.

Detroit Iron & Steel Co., Zug island, Detroit river.—Two Hulett automatic unloading machines with Andrews scrapers for five hatches. One Brown automatic unloading machine.

COAL DOCKS AT LOWER LAKE PORTS.

Ashtabula Harbor, O.

Pennsylvania Co. (Leased to M. A. Hanna & Co.) Dock No. 10, located on Main river, 20 ft. of water; one McMyler car dump machine, capacity 800 tons per hour. D. F. Flower, freight agent.

Pennsylvania Co. (Leased to Pittsburg Coal Co.) Dock No. 11 on lake front, 20 ft. of water; one McMyler car dump, capacity 25 cars per hour. D. F. Flower, freight agent.

Yard room for storage, both docks, 2,000 cars.

Pickands, Mather & Co. (L. S. & M. S. Ry. Co.'s docks) Dock located on east side of Main river, 20 feet of water; McMyler car dump, capacity about 900 to 1,000 tons per hour.

L. S. & M. S. Railway Co. (Pittsburg Coal Co.) One McMyler car dump.

Buffalo, N. Y.

Delaware, Lackawanna & Western Coal Co., The. North Pier gravity trestle, capacity 1,000 tons per hour; storage capacity about 4,000 tons.

Lehigh Valley Coal Co., C. L. Shaw, superintendent of lake docks. Dock located at Tifft Farm, 22 ft. of water; capacity 1,200 tons per hour; storage capacity, 5,500 tons.

Philadelphia & Reading Coal and Iron Co., D. L. Tuttle, sales agent, Prudential Bldg. Dock located on New York Central tracks foot of Georgia st., 19 ft. of water; loading capacity, 600 tons per hour. Dock operated under lease.

Rochester & Pittsburg Coal & Iron Co., E. M. Duthie, sales agent, 1220 Prudential Bldg. Fuel lighter of 600 tons capacity.

Cleveland, O.

Pittsburg Coal Co., James Woods, general agent. —Center St. bridge (Erie railroad connections) two car dump machines of Excelsior Iron Works manufacture and a Wellman-Seaver-Morgan coal dump of 15,000 tons capacity, and another car dump machine in the outer harbor within the east breakwater, which latter has Pennsylvania railroad connection. Another dock, between B. & O. railroad bridge and Willow St. bridge in old river bed, under the same management, is equipped with pockets and a rotary hoist for fueling steamboats; and one modern self-propelling fuel lighter.

Ellsworth & Co., James W.—(Leased from Pennsylvania Co.) Depth of water, 20 to 21 ft.; two car dumpers, loading capacity, 1,000 tons per hour for each dumper.

Ellsworth & Co., James W.—(Leased from Pennsylvania Co.) Dock for loading and unloading miscellaneous freight such as pig iron, trap rock, plaster, etc. Depth of water, 20 to 21 ft.; two McMyler whirlies, capacity 500 tons per day.

Wheeling & Lake Erie Railroad. 20 ft. of water; modern McMyler car dumper.

Conneaut, O.

Pittsburg & Conneaut Dock Co. 20 ft. of water; McMyler car dump, capacity 700 tons per hour.

Erie, Pa.

Pittsburg Coal Co. (Pennsylvania Co.'s dock.) Location, farthest dock west from entrance to harbor; depth of water, 21 ft.; one Wellman-Seaver-Morgan car dumper, loading capacity 30 cars per hour. Charles Decker, freight agent.

Susquehanna Coal Co., C. L. Thompson, general western agent. Dock located foot of German st.; 21 ft. of water; wooden pocket trestle, loading capacity, 500 to 800 tons per hour; storage capacity of trestle, 2,500 tons; dock operated under lease.

Pittsburg & Erie Coal Co.——

Fairport, O.

Pittsburg Coal Co. (B. & O. Ry.) One McMyler car dumper.

Huron, O.

Wheeling & Lake Erie Railway Co., T. R. Gillmore, dock superintendent. Two docks located on west side, No. 1 and No. 2 slip, 22 ft. of water; two McMyler car dumpers and four whirlies; loading capacity, 2,000 tons per hour.

Lorain, O.

Baltimore & Ohio Railroad Co.—Dock located about one-half mile from harbor entrance, just below Erie ave. viaduct; depth of water, about 20 ft.; one McMyler car dump machine, capacity, 500 tons per hour.

Baltimore & Ohio Railroad Co. Dock located on river short distance above N. Y. C. & St. L. swing bridge; depth of water, about 20 ft.; McMyler car dump machine, capacity about 1,000 tons per hour.

Oswego, N. Y.

Delaware, Lackawanna & Western Coal Co., office White Bldg., Buffalo. Gravity trestle, shipping capacity about 3,000 tons in ten hours and storage capacity about 3,000 tons.

Sandusky, O.

C. C. C. & St. L. Ry. Co. (Big Four), G. W. Bender, general agt.—Two revolving derricks of

Excelsior type, used for loading coal, pig iron, pulp wood and fence posts.

Hanna & Co., M. A. (Pennsylvania Co.'s dock.) Dock located at west end of Sandusky Bay dock channel, 20 ft. of water; McMyler coal machine loading capacity, 900 tons per hour.

Baltimore & Ohio Railroad Co. Dock located at foot of Warren st., 20 ft. of water; two whirlies for transferring coal from dock to boats, handled in 5-ton buckets; capacity, 500 tons per hour. Agent, R. E. McKee.

Toledo, O.

Cincinnati, Hamilton & Dayton Railway Co., E. F. Holbrook, agent. Dock located half a mile above Fassett st. bridge, 22 ft. of water; McMyler car dump, capacity, 1,000 tons per hour.

Toledo & Ohio Central Railway Co., C. A. Hoyt, dock agent. Dock located on east side of river, 23 ft. of water; McMyler machine, loading capacity 1,000 tons per hour; storage capacity, 1,200 cars.

Hocking Valley Railroad Co.—McMyler car dump.

Ironville Coal & Dock Co. (Wheeling & Lake Erie Railroad Co.'s dock.) Drag conveyor and pocket hoists, capacity 400 tons; vessel fuel scow and two McMyler whirlies.

Delaware, Lackawanna & Western Coal Co., The, S. C. Schenck, sales agent, 408 Superior st.—Two docks—Wabash dock, located on west bank Maumee river above city; 21 ft. channel up to dock, 16 ft. of water at dock; six mast and boom rigs, half-ton buckets; capacity, 60 to 120 tons per hour.

Swan Creek dock, located on Swan Creek near Erie st., 12 ft. of water; two mast and boom rigs, half-ton buckets; capacity, 50 to 60 tons per hour.

COAL DOCKS AT UPPER LAKE PORTS.

Algoma, Ont.—

Canadian Pacific Railway Co., three whirlies, capacity, 1,000 tons per day.

Algoma, Wis.—

Algoma Fuel Co., 13 ft. to 15 ft. of water; steam friction hoist with ½-ton buckets; unloading capacity per hour, 50 to 60 tons; storage capacity, 10,000 to 15,000 tons.

Algonac, Mich.—

A. M. Smith, dock with steam hoist.

City Dock, capacity per day, 150 tons.

Alpena, Mich.—

Bedford & Co., steam hoist and bucket.

Alpena Coal Co., steam hoist and clam shell bucket.

Alpena Cement Co., 16 ft. of water; McMyler machinery, capacity 60 tons per hour; storage capacity, 10,000 tons.

Fletcher Paper Co., 14 ft. of water; electric machinery; unloading capacity per hour, 30 tons; storage capacity, 6,000 tons. Private dock.

Amherstburg, Ont.—

Mullen Coal Co., 20 ft. of water; one-ton clamshell, 60 tons per hour; storage capacity 2,500 tons.

Ashland, Wis.—

Clarkson Coal & Dock Co., has 22 ft. of water; four McMyler clamshell hoists, two of two tons each, one of one and one-half tons capacity, and one of one ton unloading 3,000 tons per 24 hours; storage capacity of dock 85,000 tons; night and day shifts.

C. Reiss Coal Co., has 22 ft. of water; two Mead clamshells of one ton each, five Hunt buckets, three of which are of one-ton capacity each; storage capacity of dock, 80,000 tons; night and day shifts. This dock is owned by the Chicago & Northwestern railway and is operated under lease.

C. Reiss Coal Co. has 22 ft. of water; four one-ton bucket rigs, capable of unloading 1,000 tons in 10 hours; storage capacity of dock, 50,000 tons. This dock is operated under a lease from the Wisconsin Central Railway.

Pittsburg & Ashland Coal & Dock Co.; 20 ft. of water; three McMyler whirley rigs, with one ton clam shells and buckets; unloading capacity, 1,000 tons per 10 hrs.; storage capacity, 130,000 tons.

Bay City, Mich.—

Mitchell & Co., 14 ft. of water; steam hoist, 40 tons per hour; storage capacity 4,000 tons.

Charles Clute.

Boutell Bros. & Co., 16 ft. of water; unloads by steam hoist, capacity 300 tons per day; storage capacity 1,800 tons.

Central Coal Co., 12 to 15 ft. of water; one Industrial hoist, 2-ton clamshells, capacity 60 tons per hour; storage capacity, 12,000 tons.

Hecla Portland Cement Co., private dock, 18 ft. of water.

Beaver Island, Mich.

James McCann; boat to do hoisting; capacity about 250 tons.

Belleville, Ont.—

N. Allen, 11 ft. of water; one steam hoist; 400-lb. buckets; capacity, 25 tons per hour; storage capacity, 4,000 tons.

Downey Coal Co., 10 ft. of water; steam hoist, 400-lb. buckets, 22 tons per hour; storage capacity, 4,000 tons.

F. S. Anderson Co., 10 ft. of water; steam hoist, 400-lb. buckets; storage capacity, 2,500 tons.

Schuster Co., 11 ft. of water; steam hoist, 400-lb. buckets, 22 tons per hour; storage capacity, 5,000 tons.

Big Traverse Bay, Mohawk, Mich.—

Mohawk Mining Co., 18 ft. of water; three bucket Illington machine, capacity 90 tons per hour; storage capacity, 60,000 tons.

Blind River, Ont.—

Eddy Bros., hoisting done by boat; capacity 250 tons per day.

Bruce Mines, Ont.—

Martin International Trap Rock Co., 21 ft. of water; two belt conveyors, 80 ft. apart; capacity, both conveyors, about 2,000 tons per hour; storage capacity, 75,000 tons.

Aberdeen Development Co., Ltd., hoist and buckets capable of unloading 400 to 500 tons per day.

Byng Inlet, Ont.—

Canadian Pacific Ry., two Mead-Morrison hoists, capacity 250 tons per hour.

Charlevoix, Mich.—

Charlevoix Coal & Wood Co., 11 ft. of water; horses and donkey engine; capacity 30 tons per hour.

Cheboygan, Mich.—

McArthur's Docks, 18 ft. of water; hoist and buckets; storage capacity, 2,000 tons.

Cheboygan Gas Co., horse rigs, capacity 200 tons per day.

Mackinac Straits Coal & Dock Co., 12 ft. of water; three Lockport whirlies, 1-ton clamshells; capacity, 120 tons per hour; storage capacity, 40,000 tons.

Chicago, Ill. —

Delaware, Lackawanna & Western Coal Co., S. C. Schenck, sales agent; two docks—35th st. dock, south fork of south branch of Chicago river at 35th and Iron sts., has two Mead hoists, capacity per hour, 250 tons, storage capacity for anthracite coal, under cover, 100,000 tons. Division st. dock, north branch of Chicago river at Division st., has two Mead hoists, capacity per hour 250 tons, storage capacity for anthracite coal, under cover, 40,000 tons. Unloading and distributing machinery on both docks installed by Mead-Morrison Mfg. Co.

Crescent Coal & Mining Co., North Halstead st. bridge; three clam shell buckets, unloading capacity per hour, 125 tons.

E. L. Hedstrom & Co., two docks—North ave. dock, on north branch of Chicago river, two Mead hoists, capacity 200 tons per hour.

Peoples' Gas Light & Coke Co., Division st., two docks; one at Division st., unloading capacity per hour, 100 tons, and one at 25th and Loomis st., four booms, unloading capacity per hour, 75 tons.

Pittsburgh Coal Co., 20 ft. of water; McMyler whirley, unloading capacity, 100 tons per hour; storage capacity, 50,000 tons. Operated under lease.

City Fuel Co., yard 30; 18 ft. of water; three McMyler rigs, 1-ton clamshells; capacity, 80 tons per hour.

Dreske & Hinners, Elston ave., three rigs; unloading capacity per hour, 60 tons.

O. F. Scheunemann & Co., Division st., three rigs, unloading capacity per hour, 75 tons.

O. S. Richardson Coal Co., two docks—one on the north branch of Chicago river, at 1264 Elston ave., just north of Division st. on the main river, has two Mead movable towers, equipped with grab buckets; cable system for distribution to yard; capacity of plant 225 tons per hour. The other dock is on the south branch, at 2423 S. Halsted st., has two Mead movable towers equipped with grab buckets; cable system for distribution to yard; capacity of plant 225 tons per hour.

Eureka Coal & Dock Co., 146 Clybourn pl., two Mead hoists equipped with one-ton grab buckets, capacity 125 tons per hour for each hoist.

Lill-Robinson Coal Co., 1639-1667 Chester st., cor. Clybourn and Ashland aves., two Mead-Morrison rigs, capable of handling 300 tons per hour of anthracite or 200 tons per hour of bituminous coal.

Lehigh Valley Coal Co., Clybourn ave. dock, located on the C., M. & St. P. railroad, Chicago river; from 17 to 18½ ft. of water; four Brown hoists with a capacity of 150 tons each per hour; capacity of dock, 34,000 tons anthracite and 5,000 tons bituminous. Chicago ave. dock, two clam shell buckets, capacity per hour 150 tons. Bridgeport dock, two Brown hoist machines, unloading capacity per hour, 100 tons.

Philadelphia Reading Coal & Iron Co., Mead hoists.

Collingwood, Ont.—

Collingwood Ship Building Co. Ltd., 16 ft. of water; steam winch and bucket, capacity, 35 tons per hour; storage capacity, 3,000 tons.

Northern Navigation Co., one steam hoist; capacity, 400 tons.

Corporation of Collingwood wharf, unloads by bucket with horsepower.

Collingwood Packing Co.; dock being enlarged, meanwhile unloading being done with horses.

De Pere, Wis.—

A. G. Wells Coal Co., 16 ft. of water; electric machinery with ¾ ton clam; unloading capacity per day, 750 tons hard coal, 450 tons lump; storage capacity, 15,000 tons.

American Writing Paper Co., Shattuck & Babcock Co. Division; 15 ft. of water; two Coney hoists with ½ ton buckets and clam shells; storage capacity, 20,000 tons.

De Pere Co-Operative Coal Co., 14 ft. of water; two electric hoists; unloading capacity per hour, 30 tons soft coal, 50 tons hard; storage capacity, 7,000 tons.

Depot Harbor, Ont.—

Midland Coal & Dock Co., two Hunt systems, capacity 2,000 tons.

Grand Trunk Railway Co., 21 ft. of water; one Hunt tower, 130 tons per hour; storage capacity, 75,000 tons.

Deseronto, Ont.—

Canada Cement Co., Ltd., 14 ft. of water; one rig, 1-ton buckets; capacity 60 tons per hour.

Rathbun Co., 12 ft. of water; one Hunt hoist; capacity, 30 tons per hour.

Detour, Mich.—

Pickands, Mather & Co., 24 ft. of water; McMyler machinery with 2-ton grab bucket, unloading capacity 100 tons per hour; storage capacity, 12,000 tons.

T. H. Watson, 22 ft. of water; revolving derrick with one-ton grab, unloading capacity, 50 tons per hour; storage capacity 8,000 tons.

Dollar Bay, Mich.—

Tamarack-Osceola Copper Mfg. Co., 19 to 24 ft. of water; two clamshell hoists and four Brown hoists; unloading capacity per hour, 300 tons; storage capacity, 150,000 tons.

Tamarack Coal Co., 19 ft. of water; two 2-ton clam shell rigs and six 1,200-lb. bucket outfits; unloading capacity per hour, 400 tons; storage capacity of dock, 100,000 tons.

Lake Superior Smelting Co., three booms with buckets, capacity 600 tons.

Duluth, Minn.—

Duluth, Missabe & Northern Railway Co., 19 to 22 ft. of water; three Mead-Morrison electric hoists with a capacity each of 200 tons per hour from boat to dock; total storage capacity, 630,000 tons.

Carnegie Coal Co., Dock No. 2 (Bituminous); 20 ft. of water; two Mead-Morrison hoists, 6-ton clamshells; capacity, 700 tons per hour; storage capacity, 600,000 tons.

Carnegie Coal Co., Dock No. 2 (Anthracite); 20 ft. of water; two Mead-Morrison hoists; capacity, 500 tons per hour; storage capacity, 100,000 tons.

Boston Coal Dock & Wharf Co., 19 to 22 ft. of water; four rigs 50 tons per hour, two rigs 160 tons each per hour; four rigs hard coal 60 tons per hour; two rigs 180 tons per hour; total storage capacity, 350,000.

Zenith Furnace Co., 22 ft. of water; 1,600 ft. dock frontage; four Mead-Morrison steam hoists with a capacity each of 125 tons per hour from boat to dock; total storage capacity, 450,000.

Pittsburg Coal Co., Dock No. 1, 22 ft. of water; four hoists with a capacity each of 50 tons per hour from boat to dock; total storage capacity, 350,000 tons.

Pittsburg Coal Co., Dock No. 2, 20 ft. of water; four Brown hoists with a capacity of 45 tons each per hour; storage capacity, 200,000 tons.

Pittsburg Coal Co., new dock, 22 ft. of water; three Brown hoists with a capacity of 325 tons each per hour from boat to dock; total storage capacity, 1,000,000 tons.

Clarkson Coal & Dock Co., Pioneer dock, 20 ft. of water; four Brown bridges equipped with one-ton clams with unloading capacity of 200 tons per hour; storage capacity, 25,000 tons anthracite, 160,000 tons bituminous.

D. G. Cutler Co., 18 ft. of water; unloading capacity per hour, 70 tons; storage capacity, 5,000 tons. Private dock.

Northwestern Fuel Co., foot 5th ave. West; eighteen unloading masts.

Berwind Fuel Co., West Duluth Dock; 21 ft. of water; three Dodge bridges, 5½-ton clamshells; capacity, 1,000 tons per hour; storage capacity, 1,000,000 tons.

Island Creek Coal Dock Co., Dock No. 1, St. Louis River, West Duluth; 24 ft. of water; two Heyl & Patterson rigs, 6-ton clamshells; capacity 600 tons per hour; storage capacity, 1,000,000 tons.

Empire, Mich.—

J. Wilcox Co. (Empire Lumber Co.) 14 ft. of water; two hoisting engines; storage, 300 tons.

Escanaba, Mich.—

Reiss Coal Co., four Mead hoists, capacity 600 tons each per day of 10 hours; storage capacity, 100,000.

Chicago, Milwaukeee & St. Paul Ry. Co., three combination Mead and Brown hoists, capacity 600 tons each per day of 10 hours; storage capacity, 80,000 tons.

Forestville, Mich.—

N. C. Potts, dock but no unloading equipment. There is no harbor at this port.

Fort William, Ont.—

Canadian Pacific Railway Co., old and new docks. The new dock is equipped with fiveMead-Morrison rigs and has a storage capacity of 200,000 tons of bituminous coal and 150,000 tons anthracite. The old dock is equipped with two McMyler whirlies and has a storage capacity of 25,000 tons. The new dock is capable of unloading 550 tons per hour and the old dock can unload 60 tons per hour.

Canadian Pacific Ry. Co., dock ready for operation Aug. 1st; 20 ft. of water; two Hulett machines, 8-ton clamshells; capacity 700 tons per hour; storage capacity, 1,000,000 tons.

Canadian Northern Railway—See West Fort William, Ont.

Fort William Coal Dock Co., 20 ft. of water; two Heyl & Patterson rigs, 2-ton clamshells; one Brown hoist, 6-ton clamshell; capacity, 500 tons per hour; storage capacity, 300,000 tons.

James Murphy operates a domestic coal dock with a capacity for handling 1,500 or 2,000 tons per day.

Gladstone, Mich.—

Pittsburg Coal Co., seven Hunt hoists, three McMyler clamshells; unloading capacity, 2,500 tons daily.

Goderich, Canada.—

Western Canada Flour Mills Co., Ltd., 21 to 22 ft. of water; unload by hoist; capacity, 30 tons per hour. Operated under lease.

Goderich Elevator & Transit Co., 18½ ft. of water; two steam hoists, capacity 300 tons per day; storage capacity, 700 tons.

Barlowe Holmes; one steam hoist, capacity 250 tons.

Electric Light Plant, capacity 225 tons.

Gore Bay, Manitoulin Isle, Ont.—

Purvis Bros., 14 ft. of water; buckets capable of unloading 200 tons in 10 hours; storage capacity 1,000 tons.

Grand Marais, Mich.—

Manistique Lumbering Co.
Booth Fisheries Co.

Green Bay, Wis.—

Central Coal Co.; three Brown hoists with a capacity of 200 tons per hour; storage capacity, 80,000 tons.

The C. Reiss Coal Co., 21 ft. of water; three Mead-Morrison towers with 1½-ton grab; unloading capacity per hour, 300 tons; storage capacity, 200,000 tons.

The C. Reiss Coal Co., "Duncan Dock"; 19 ft. of water; four electric hoists with capacity of 150 tons per hour; storage capacity, 100,000 tons.

F. Hurlbut, 18 ft. of water; two steam hoists with a capacity of 60 tons per hour; storage capacity, 20,000 tons.

H. A. Barkhausen, retail dock, 19 ft. of water; two electric hoists with a capacity of 60 tons per hour; storage capacity 12,000 tons; wholesale dock, Brown bridges and crane; capacity, 100,000 tons.

Flatley Bros. Co., 18 ft. of water; two steam hoists with a capacity of 80 tons per hour; storage capacity, 8,000 tons.

Grosse Point, Mich.—(P. O. Address Point Mills, Mich.)

Franklin Mining Co., 20 ft. of water; three swinging booms; capacity, 700 tons per day.

Arcadian Mining Co., mast and booms; capacity 300 tons per day.

Centennial Mining Co., mast and booms; capacity, 300 tons per day.

Lake Milling, Smelting & Refining Co., mast and booms; capacity, 650 tons per day.

Hancock, Mich.—

Portage Coal & Dock Co., 22 ft. of water; 420 ft. frontage; two Mead towers with a capacity of 2,500 tons per day, storage capacity, 31,000 tons.

People's Fuel Co., one Haiss Mfg. Co.'s clamshell; hoist capable of unloading 800 tons of soft coal and 1,200 tons hard coal per day.

Hodge Iron Co., 18 ft. of water; engine on dock, whip rig on mast of vessel; ½-ton bucket; capacity, 300 tons per day.

City Dock (water works) two masts and booms; capacity per day, 400 tons.

Houghton County Street Ry. Co., three masts and booms; capacity, 500 tons per day.

Mineral Range R. R. Co., 15 ft. of water; four Friction hoists, 1-ton buckets; capacity, 100 tons per hour; storage capacity, 3,500 tons.

Portage Lake Foundry & Machine Co., 18 ft. of water; two booms; hoisting engine on dock; capacity, 400 tons per day; storage capacity, 2,000 tons.

Quincy Smelting Co., three hoists; capacity, 600 tons per day.

Harbor Beach, Mich.—

Mihlethaler Co., Ltd., 13 ft. of water; McMyler whirley with one-ton bucket; unloading capacity per hour, 30 to 35 tons; storage capacity, 40,000 tons.

Houghton, Mich.—

The Carroll Foundry, 12 ft. of water; two derricks, double hoist; capacity per hour, 35 tons; storage capacity, 1,000 to 1,500 tons.

Copper Range R. R. Co., coal dock 700 ft. long, hopper bin 460 ft. long on which rest three Mead-Morrison clamshell towers; unloading capacity, 100 tons per machine per hour.

Croze, Joseph, 17 ft. of water; three booms and blocks; capacity, 250 tons per day.

Houghton County Traction Co., 20 ft. of water; two masts and booms; capacity 35 tons per hour; storage capacity, 10,000 tons.

Houghton County Electric Light Co., 14 ft. of water; steam hoists; capacity, 60 tons per hour; storage capacity, 4,000 tons.

Northey Coal Dock, one rig, capacity 250 tons per day.

The M. Van Orden Co.; steel traveling bridge, electrically operated with 3-ton clam; unloading capacity, 250 tons per hour.

Isle Royale Stamp Mill, 19 ft. of water; three steam operated towers handling ½-ton buckets which are filled by shovelers; capacity per hour, 100 tons. No storage.

Hubbell, Mich.—

Joseph Ethier, 18 ft. of water; one-ton clamshell rig; unloading capacity per hour, 30 tons soft coal, 50 tons hard coal; storage capacity 3,000 tons soft coal and 3,000 tons hard.

Quincy Mill, three Mead rigs, capacity 2,500 tons per day.

Calumet & Hecla Smelting Works; two clams, capacity 3,500 tons.

Indiana Harbor, Ind.—

Inland Steel Co., 20 ft. of water; two unloading towers, 2-ton clamshells; capacity, 400 tons per hour; storage capacity, 200,000 tons.

Jack Fish Bay, Ont.—

Canadian Pacific Railway Co., one Mead tower of two tons capacity, one Mead tower of one ton capacity; unloading capacity, 3,000 tons per day; storage capacity, 26,000 tons.

Kenosha, Wis.—

George S. Baldwin Coal Co., steam hoist working two hatches at a time; capacity 70 to 80 tons per hour.

John O'Donnel Coal Co., steam hoist working two hatches at a time; capacity 70 tons per hour.

North Shore Coal Co., two direct steam hoisting engines working two hatches at a time; capacity, 70 tons per hour.

Kewaunee, Wis.—

W. Seyk Co., 14 ft. of water; capacity 300 tons per day; unloads by horsepower.

Kewaunee Grain Co., 16 ft. of water; capacity 300 tons per day; storage capacity 3,000 tons; unloads by horsepower.

Keweenaw Bay, Mich.—

Mass Mining Co., three towers with separate bucket hoists; capacity per day, 700 to 800 tons.

Key Harbor, Ont.—

Canadian Northern Ontario Ry. dock, 21 ft. of water; two Brown hoists; 20-ton locomotive cranes, capacity 60 tons per hour.

Kincardine, Ont.—

Kincardine Electric Light & Water Works, two horse rigs, capacity, 225 tons.

Hunter Dredge & Boiler Works, 14 ft. of water; one horse hoist and one steam hoist, unloading capacity per day, 80 to 150 tons; no storage. Operated under lease.

Corporations of Kincardine, unloads about 250 tons per day by horsepower.

Ontario People's Salt & Soda Co., Ltd., unload by steam; four wooden buckets holding 500 lbs. each; unloading capacity, 300 tons per day, storage capacity, 4,000 tons.

Kingston, Ont.—

Canadian Locomotive Co., Ltd., 13 ft. of water; one steam hoist; capacity, 50 tons per hour.

James Swift & Co., 15 ft. of water; one steam hoist, capacity 30 tons per hour; storage capacity, 10,000 tons.

Soward's Coal Co., one McMyler with 1-ton dam on lighter; capacity, 60 tons per hour.

Knife River, Minn.—

Duluth & Northern Minnesota Railway Co., one McMyler whirley; capacity, 500 tons per day.

Levis, Que.—

Canadian Import Co., 25 ft. of water; one Brown hoist, 1¼-ton clamshell, capacity 50 tons per hour; one whirley, 1½-ton clam, capacity 50 tons per hour.

Lime Island, Mich.—

Pittsburgh Coal Co., fueling station, 24 ft. of water; two Wellman-Seaver-Morgan machines, 2½-ton clamshells; capacity, 300 tons per hour; storage capacity, 25,000 tons; two coaling pockets, capacity 375 tons each, with four spouts each.

Little Current, Ont.—

Boon Wrecking Co., capacity 225 tons.

J. & T. Charleton, 13 ft. of water; capacity 225 tons.

T. C. Sims & Co., 14 ft. of water; two horse rigs; capacity 175 tons per day; storage capacity, 1,000 tons.

Lake Linden, Mich. (Torch Lake.)—

Lake Linden Fuel & Supply Co., three rigs of 300 tons capacity.

Ludington, Mich.—

Carter-Magmer Co., Ltd., 14 ft. of water; boat to do hoisting.

Anchor Salt Co., private dock, 17 ft. 6 in. of water; one steam Mead hoist; capacity 600 tons per day; storage capacity, 20,000 tons.

Mackinac Island, Mich.—

Union Ticket Office & Dock, George T. Arnold, agent; 14 ft. of water; McMyler machine with clamshell; unloading capacity, 35 tons per hour; storage capacity, 3,000 tons.

Manistee, Mich.—

James W. Duncan, 18 ft. of water, one steam hoist.

Manistique, Mich.—

Chicago Lumbering Co., steam hoist with three or four buckets.

Manitowoc, Wis.—

The C. Reiss Coal Co., two docks, four hoists with a capacity of 170 tons per hour and two hoists with a capacity for 200 tons per hour.

The J. G. Johnson Co., three hoists with a capacity for 75 tons per hour.

Manitowoc Land & Fuel Co., three hoists with a capacity of 150 tons per hour.

Goodrich Transit Co., private dock, two hoists with a capacity of 70 tons per hour.

Marine City, Mich.—

Michigan Salt Co., 20 ft. of water; whirley capable of unloading 60 tons per hour; storage capacity, 15,000 tons.

Marine City Water Works, 11½ ft. of water; one hoist with clam; capacity per day, 100 tons.

Western Sugar Refining Co., 18 ft. of water.

R. A. Cottrell, derrick, steam hoist and chutes.

Davidson-Wonsey Co., 15 ft. of water; bucket unloading capacity, 200 tons per day; storage capacity, 5,000 tons.

Blood & Hart, derrick, steam hoist and chutes.

M. Sicken, derrick and horsepower.

J. C. Miller, unloads by horsepower.

Marinette, Wis.—

Marinette Coal & Dock Co., two steam rigs, capacity, 500 tons.

Ed. Norton Coal Co., one steam rig, capacity, 300 tons.

Marquette, Mich.—

James Pickands & Co., Ltd., 20 ft. of water; 398 ft. frontage; two Mead hoists on elevated trestle, track on dock for cars, capacity, 150 tons each per hour; storage capacity, 31,500 tons.

F. B. Spear & Sons, two McMyler hoists capacity, 200 tons per hour.

Meaford, Ont.—

Georgian Bay Milling & Power Co., 19 ft. of water; horses and buckets, capacity, 250 tons per day.

Menominee, Mich.—

Lyon Bros., 15 ft. of water; steam rig with three separate hoists; capacity 600 to 700 tons per day.

T. C. Nowack, 15 ft. of water; one steam hoist, capacity 400 tons per day; storage capacity, 3,000 tons.

Ramsay & Jones, steam hoist.

Central West Coal Co., 18 ft. of water; three Brown hoists, capacity 200 tons per hour; storage capacity, 200,000 tons.

Menominee River Sugar Co., 17 ft. of water; 10-ton locomotive crane, with a one-ton clamshell and one-ton dumping bucket; capacity, 40 tons per hour; storage capacity, 15,000 tons.

Michigan City, Ind.—

W. L. Rawlings & Co., unloads in wheelbarrows.

Michipicoten, Ont.—

Algoma Central & Hudson Bay Ry. Co., five-ton hoist built by Industrial Works, Bay City, Mich., with buckets, also winches.

Midland, Ont.—

Canada Iron Corporation Ltd., 19½ ft. of water; two whirlies; capacity, 1,200 tons per day.

The Midland Coal Dock Co., 22 ft. of water; two revolving derricks, unloading capacity per day 3,000 tons; storage capacity 30,000 tons.

Milwaukee, Wis.—

The Milwaukee Coke & Gas Co., 21 ft. of water; two Brown steam plants each having 84 cu. ft. grabs and one electric plant having 81 ft. Williams grab. Unloading capacity, 600 tons per hour; storage capacity, 375,000 tons.

Lehigh Valley Coal Co., Canal st. dock, has two Mead Morrison single hoist machines with unloading capacity of 300 tons per hour; depth of water 21 ft.; storage capacity, 75,000 tons.

Milwaukee-Western Fuel Company. This company operates nine docks:

Kinnickinnic Ave. dock on Kinnickinnic river, 5 portable tower type rigs; capacity 4,500 tons per day—any size boat.

Greenfield Ave. dock on Kinnickinnic river, 3 bridge type rigs. Unloading capacity, 6,000 tons soft coal per day—any size boat.

Canal St. dock, North Menominee river, 8 non-portable rigs; capacity 5,000 tons per day—any size boat.

Sixteenth St. dock on North Menominee river, 5 figure 4 rigs; capacity 1,600 tons. Vessels up to 350 feet long can dock.

Seventeenth St. dock on North Menominee river, 8 non-portable rigs; capacity, 2,500 tons per day and one 5-ton portable bridge, 6,000 tons per day—any size boat.

Pabst Slip dock on South Menominee river, 6 portable rigs of tower type; unloading capacity, 1,500 tons per day. Vessels up to 350 feet can reach dock.

Cherry St. dock on Milwaukee river, 6 portable tower type rigs; unloading capacity, 4,000 tons per day. Vessels up to 450 feet can reach dock.

Commerce St. dock on Milwaukee river, 2 portable bridge type rigs; capacity, 4,000 tons daily. Vessels up to 450 feet in length can reach this dock.

Washington St. dock on Kinnickinnic river, formerly Northwestern Fuel Co. dock. 17 figure 4 rigs (12 with clams); unloading capacity, 4,000 tons per day soft coal. Vessels up to 450 feet in length handled.

Central Coal Co.; eleven Brown hoists with capacity of 700 tons per hour; storage capacity, 700,000 tons.

The Youghiogheny & Ohio Coal Co., 25 ft. of water; three Brown hoist rigs with 3-ton clams; unloading capacity per hour, 300 tons; storage capacity, 200,000 tons. Dock operated under lease.

Pennsylvania Coal & Supply Co., three docks; Independent dock, on Kinnickinnic river; four portable towers; unloading capacity per day, 1,500 to 2,000 tons; Whitnall dock on N. Menominee river; six rigs, capacity per day, 1,200 to 1,500 tons; Pennsylvania dock, on N. Menominee river; four portable towers; capacity per day, 1,200 to 1,500 tons.

Philadelphia & Reading Coal & Iron Co., North Menominee River; 21 ft. of water; anthracite dock—four Brown hoists, 1-ton clamshells and buckets, capacity 180 tons per hour.

Bituminous dock—three Brown hoists, 1-ton clamshells and buckets; capacity, 75 tons lump coal per hour; slack coal, 100 tons per hour; storage capacity, 150,000 tons.

Milwaukee Gas Light Co., 20 ft. of water; Brown special fast plants and bridges, 2-ton grab buckets; unloading capacity, 350 tons per hour; storage capacity, 140,000 tons.

The Wisconsin Coal & Dock Co., 19 ft. of water; three 1½-ton clamshell buckets, capacity, 200 tons per hour; storage capacity, 100,000 tons.

Callaway Fuel Co., 19 ft. 6 in. of water; bucket hoist, ¾-ton capacity; unloading capacity per hour, 90 tons; storage capacity, 20,000 tons.

Gross Coal Co., First Ave. dock on N. Menominee river; two portable Mead machines, capacity, 1,500 to 2,000 tons.

Kanawha Fuel Co., Dock No. 1, hard coal, located on Menominee river; 20 ft. of water; buckets with capacity of 150 tons per hour; storage capacity, 150,000 tons. Dock No. 2, soft coal, located on Pabst Slip. 19 ft. of water; 2-ton clamshell buckets, capacity 300 tons per hour; storage capacity, 300,000 tons.

Schlitz Brewing Co., Milwaukee river; two portable bridge rigs; unloading capacity, 2,000 tons per day.

North Side Coal Co., Milwaukee river; three rigs; capacity 750 tons per day.

Gallun & Sons, Milwaukee river; two rigs, unloading capacity, 750 tons per day.

National Knitting Co., Kinnickinnic ave., two rigs, unloading capacity per day, 500 tons.

Daisy Mill Co., Kinnickinnic river; two rigs; unloading capacity per day, 500 tons.

St. Paul & Western Coal Co., Canal st. dock, N. Menominee river; six Brown hoist portable bridge machines; unloading capacity per day, 2,000 tons.

Mohawk, Mich.—See Big Traverse Bay.

Montreal, Can.—

Canada Cement Co., Ltd., 30 ft. of water; Mead-Morrison unloading plant using one-ton clamshell bucket; coal distributed by means of automatic railway; unloading capacity, 70 tons per hour; storage capacity, 40,000 tons; dock operated under lease from Montreal Harbor Commissioners.

Canadian Import Co., Bickerdike Pier dock; 25 ft. of water; two cantilever towers; 1½-ton clamshells; capacity, 150 tons per hour; one Brown hoist, 1¼-ton clamshells, capacity 50 tons per hour; storage capacity, 40,000 tons.

Intercolonial Coal Mining Co., Ltd., Windmill Point, 25 ft. of water; two Mead-Morrison hoists, 1¼-ton clamshells; capacity, 150 tons per hour.

Dominion Coal Co., Ltd., Hochelago, Windmill Point, 26 ft. of water; Mead-Morrison, two sets five towers each; capacity, 1,000 tons per hour, each set; two Brown hoists on barges, capacity 70 tons per hour each; storage capacity, 150,000 tons.

Canadian Tube & Iron Co., Lachine canal, 14 ft. of water; one Mead-Morrison hoist, capacity 60 tons per hour; storage capacity, 10,000 tons.

George Hall Coal Co., Ltd., Lachine canal, 14 ft. of water; two Mead-Morrison hoists, capacity 200 tons per hour; storage capacity, 100,000 tons.

Montreal Light, Heat & Power Co., Hochelaga, Montreal harbor, 33 ft. of water; one Mead-Morrison with 2½-ton clamshells; capacity, 250 tons per hour; storage capacity, 100,000 tons.

Ogdensburg Coal & Towing Co., No. 1 Basin, Lachine canal, 14 ft. of water; one geared Lidgerwood, one direct hoist, 1½-ton clamshells; capacity, 120 tons per hour.

Ogdensburg Coal & Towing Co., Steamer Henry, Lachine Canal, 14 ft. of water; one Mead-Morrison, 1½-ton clamshell; capacity, 60 tons per hour.

Nova Scotia Steel & Coal Co., Ltd., Bickerdike Pier, Windmill Point, 28 ft. of water; two towers, 1½-ton clamshells, capacity 200 tons per hour; one Brown hoist, 1¼-ton clamshells, capacity 60 tons per hour; storage capacity, 45,000 tons.

Farquhar Robertson, No. 3 Basin, Lachine canal, 14 ft. of water; one Mead-Morrison hoist; capacity, 100 tons per hour; storage capacity, 35,000 tons.

F. A. Routh & Son, one rig on barge McMartin; clamshell; capacity, 50 tons per hour.

The Steel Co. of Canada, Montreal Rolling Mills Branch, Lachine canal, 14½ ft. of water; one Mead-Morrison hoist, capacity 60 tons per hour; storage capacity, 12,000 tons.

The Steel Co. of Canada, St. Henry Mills Branch, Lachine canal; one Mead-Morrison, 1-ton clamshell, 60 tons per hour; storage capacity, 15,000 tons, 14½ ft. of water at dock.

Munising, Mich.—

Munising Leather Co., 12 ft. of water; no unloading equipment; storage capacity, 800 tons.

Cleveland Cliffs Iron Co., 22 ft. of water; half barrels used; steamer to do hoisting; storage capacity, 3,500 tons.

Muskegon, Mich.—

Magoon & Kimball Co., 18 to 24 ft. of water; tackle and pulley operated by a drum for unloading; fueling done by wheel-barrows.

Bauknecht Bros., 14 ft. of water; one Parker derrick, capacity 25 tons per hour.

Owen Sound, Ont.—

Smith, Davis & Co., 16 to 22 ft. of water; unloads with horse and bucket.

J. K. McLauchlan, 16 to 22 ft. of water; unloads with horse and bucket.

The Sun Portland Cement Co., Ltd., 20 ft. of water; McMyler whirley with 1½-ton clam, capacity about 50 tons per hour; storage capacity, 10,000 tons.

Canada Cement Co., Ltd., 18 ft. of water; McMyler crane equipped with 1½-yd. clamshell bucket; unloading capacity, 800 tons per 24 hours; small storage capacity.

A. J. Creighton, unloads with horse and bucket; 18 ft. of water.

Canadian Pacific Ry., unloads by clamshell and steam hoist.

Electric Light Dock, 20 ft. of water; two hoists, capacity 30 tons per hour; storage capacity, 2,000 tons.

Imperial Cement Co., Ltd., 17 ft. of water; one Brown hoist, capacity 45 tons per hour; storage capacity, 7,000 tons.

Doric Portland Cement Co., Ltd., 20 ft. of water; one McMyler, ¾-ton clamshell, capacity 60 tons per hour; storage capacity, 12,000 tons.

Gray & Bruce Portland Cement Co., of Shallow Lake, Ltd., 16 to 22 ft. of water; unloads with clamshells and steam hoist.

Parry Sound, Ont.—

William Beatty Co., unloads with horse; storage capacity for 1,600 tons anthracite and 1,000 tons steam coal.

Galna & Danter, storage capacity for 1,000 tons anthracite.

Penetanquishene, Ont.—

The Breithaupt Leather Co., Ltd., 10 ft. of water; unload with horse and steam hoist; capacity 10 tons per hour. Private dock.

Midland Coal Dock Co., Ltd., unload with horses; capacity per day, 100 tons.

Picton, Ont.—

Hepburn Bros., Saginaw steam winch.

Port Arthur, Ont.—

Atikokan Iron Co., Ltd., 20 ft. of water; one 15-ton Brown hoist locomotive crane and one 15-ton McMyler. Dock used chiefly for handling pig iron and limestone.

James Whalen unload coal with a dredge; boats must have large hatches and a clear deck.

Canadian Northern Coal & Ore Dock Co., has 600 ft. dock frontage, equipped with three Mead-Morrison unloading rigs capable of unloading 500 tons per hour. The dock has storage capacity for 300,000 tons of bituminous coal and 25,000 tons of anthracite.

Port Colborne, Ont.—

Thomas Lannon, 17 ft. of water; one whirley, capacity 100 tons per hour.

Port Dalhousie, Ont.—

Hutchinson Estate, 17 ft. of water; one hoist capacity 50 tons per hour; storage capacity, 1,000 tons.

Port Huron, Mich.—

C. O. Duncan, one McMyler machine, capacity 350 tons.

Michigan Sulphite & Fibre Co., 14 ft. of water; one McMyler machine and one spar hoist; unloading capacity per hour, 75 tons; storage capacity, 5,000 tons.

McCollom Coal Co., one steam hoist.

John E. Miller & Sons; McMyler steam hoist with ton tubs; capacity, 350 tons per day.

Port Huron & Duluth Steamship Co., 20 ft. of water; McMyler 1-ton bucket, capacity 50 tons per hour; storage capacity, 2,500 tons; fuel chutes 250 tons per hour.

Kern Brewing Co., 13½ ft. of water; one steam hoist, capacity 35 tons per hour.

Port Huron Gas Co., 14 ft. of water; one steam derrick capacity 30 tons per hour; storage capacity, 7,000 tons.

Port Huron & Sarnia Ferry Co., 14 ft. of water; one horse hoist, capacity 15 tons per hour; storage capacity, 750 tons.

Thompson Coal Co., derrick and horsepower.

Port Huron Salt Co., 18 ft. of water; McMyler unloader with clamshell of 1½-yds. capacity; unloading capacity, 600 to 700 tons per day; storage capacity, 20,000 tons.

Port Huron Light & Power Co., 17 ft. of water; electric gantry crane with one-ton clam; unloading capacity per hour, 50 tons; storage capacity, 10,000 tons.

Jarvis Coal Co., derrick and horsepower.

Port McNicoll, Ont.—

Canadian Pacific Ry. Coal Dock, 20 ft. of water; two Mead-Morrison hoisting machines with 2-ton clamshells; capacity 150 tons per hour; storage capacity 25,000 tons.

Port Washington, Wis.—

Port Washington Fuel Co., two friction hoists, built by Berghoefer Machinery Co., Milwaukee, with 1,000 lb. automatic buckets.

Port Sanilac, Mich.—

M. N. Mugan & Son, unloads by hands into buckets hoisted by a derrick.

Racine, Wis.—

Racine Gas Light Co., 20 ft. of water; three Mead bucket hoists; 800 tons per day with 18 shovelers; Mead automatic railway. Handle three-fourths Youghiogeny only, for gas purposes.

W. H. Pugh, lower dock, 18 ft. of water; two Mead clamshell hoists; automatic railway, capacity 1,000 tons per day. Upper dock, 15 ft. of water, two steam rigs, unload 600 tons per day.

Carroll Coal Co., 15 to 16 ft. of water; two steam hoists, unload 750 tons per day with ½-ton self-dumping buckets on boom hoist.

Racine Fuel Co., 16 ft. of water, unload 700 tons per day with two steam hoists.

Baumann & Murphy, 17 ft. of water, three steam hoists, unload 1,000 tons per day.

Saginaw, Mich.—

Saginaw Ice & Coal Co., two electric motors.

Saginaw Coal Co., 16 ft. of water; 100 ft. river frontage; steam hoist with a capacity of 40 to 50 tons per hour; storage capacity, 15,000 tons.

Remer Bros., 10 ft. of water; 500 ft. river frontage; bucket steam hoist with capacity of 35 to 40 tons per hour; storage capacity, 7,000 tons.

Consolidated Coal Co., 700 ft. of river frontage; steam bucket hoist with capacity of 1,000 tons per hour; storage capacity, 20,000 tons.

St. Clair, Mich.—

Diamond Crystal Salt Co., two steam clamshells manufactured by G. H. Williams Co., Cleveland; tower built by Great Lakes Engineering Co., and engines and hoisting machinery by Contractors' Supply Co., Buffalo; unloading capacity, 80 tons per hour.

Estate of John Schlinkert, Sr., unloads by steam and wheelbarrows.

William R. Kemp, unloads by horses and wheelbarrows.

Port Huron Salt Co., 14½ ft. of water; two horse rigs, ¼-ton buckets, capacity 20 tons per hour.

Baby & Dale, unload by horses and wheelbarrows.

St. Clair Milling Co, unloads by horses and wheelbarrows.

Thompson Bros. Salt Co., unload by horses and wheelbarrows.

St. Ignace, Mich.—

Chambers Dock, horses, 20 tons per hour

City Dock, one rig, capacity 25 tons per hour.

Mackinac Transportation Co., 19 ft. of water; four hoists, ½-ton buckets, capacity 100 tons per hour; storage capacity, 8,000 tons.

Duluth, South Shore and Atlantic Railway Co., 20 ft. of water; hoist with buckets filled by hand; unloading capacity 70 tons per hour; private storage capacity, 8,000 tons.

St. Joseph, Mich.—

John Wallace Sons Co., no unloaders.

Union Ice & Coal Co., Brown Bros., Props., no unloaders.

F. W. Ormsby, no unloaders.

Sarnia, Ont.—

John Garroch, 18 ft. of water; McMyler machine, unloading capacity, 30 tons per hour; storage capacity, 5,000 tons.

Clark Coal Co., unloads by horsepower.

Imperial Oil Co., private dock, unloads by revolving crane and clamshell buckets.

Reid Wrecking Co., two hoisting machines, rotary derricks worked from scows and operating clamshell buckets.

Northern Navigation Co., 20 ft. of water; McMyler plant, with 1½-ton grab; unloading capacity per hour, 40 tons; storage capacity, 3,000 tons.

Sault Ste. Marie, Mich.—

Port Royal Dock Co., 21 ft. of water; three McMyler whirlies, capacity 120 tons per hour; storage capacity, 20,000 tons.

Port Royal Dock Co. (above the locks) 21 ft. of water; two whirlies, capacity 300 tons per hour.

Union Carbide Co., 18½ ft. of water; one Mead-Morrison hoist, 1¼-ton clamshell; capacity 120 tons per hour; storage capacity, 20,000 tons.

George Kemp Coal Co., lower dock, 20 to 21 ft. of water; three McMyler hoists; storage capacity, 10,000 tons.

George Kemp Coal Co., upper dock, above the canal, 14 to 15 ft. of water; one McMyler hoist; storage capacity, 4,000 tons.

Perry Coal Co., 20 ft. of water; one McMyler hoist; storage capacity, 6,000 tons.

Sault Ste. Marie, Ont.—

New Ontario Dock & Coal Co., Ltd., slip on west side 500 ft. long, 19 ft. of water; slip on east side 300 ft. long, 19 ft. of water; unload by latest improved Fairbanks-Morse tower with a capacity of 1,000 tons per day of 10 hours; also have one McMyler hoist; storage capacity, 16,000 tons.

Commercial Dock, 20 ft. of water; two whirlies, capacity, 160 tons per hour.

Sault Ste. Marie Coal & Wood Co., Ltd., 15 to 17 ft. of water; one McMyler rig, capacity 80 tons per hour.

Algoma Central & Hudson Bay Ry. Co ; two McMyler hoists each equipped with a 2-ton clamshell bucket and dumping buckets; capacity 2,000 tons per day.

The Superior Dock, Coal & Metal Co., Ltd., 14 to 16 ft. of water; one McMyler hoist; coal is run ashore on trestle from dock; total storage capacity, 9,600 tons.

Algoma Steel Co., 22 ft. of water; two Heyl & Patterson towers, unloading 5,000 tons per day; stock pile capacity, 500,000 tons.

Sawyer, Wis.—

Lyon Bros. & Co., small buckets operated by horsepower.

Sheboygan, Wis.—

C. Reiss Coal Co., Dock No. 1, 19 ft. of water; four Mead-Morrison hoists, 2-ton clamshells, capacity 800 tons per hour. Dock No. 3, 19 ft. of water; seven Fig. 4 hoists, ¾-ton buckets, capacity 250 tons per hour.

Sheboygan Coal Co., capacity 100 tons per hour.

South Chicago, Ill.—

By-Products Coke Corporation, 22 ft. of water; two Robins rigs built by Robins Conveyor Co., with 2½-ton grab; unloading capacity per hour, 600 tons; storage capacity dock and yards, 180,000 tons.

E. L. Hedstrom & Co., Calumet river at 95th st., three Mead hoists with crab or clamshell buckets, capacity 275 tons per hour.

Lehigh Valley Coal Co., Calumet dock on Calumet river; 19 ft. of water; five McMyler hoists with capacity of 180 tons each per hour; storage capacity 100,000 tons.

Philadelphia & Reading Coal & Iron Co., 96th st., three hoists with two grab buckets, capacity 2,000 tons.

Sturgeon Bay, Wis.—

Leatham & Smith Towing & Wrecking Co., steam hoist with steel buckets having a capacity of one ton each.

Green Stone & Quarrying Co., 16 ft. of water; three horse rigs, barrel buckets, capacity 20 tons per hour.

City Dock, three horse rigs, capacity 30 tons per hour.

Lyon Bros., two horse rigs, capacity 20 tons per hour.

Hart Transportation Co., small bucket operated by horsepower.

Superior, Wis.—

Pittsburg Coal Co., of Wisconsin, four docks, No. 3, St. Louis Bay, four McMyler hoists; storage capacity 175,000 tons. No. 4, Superior Bay, three Kaestner hoists; storage capacity, 125,000 tons. No. 5, Allouez Bay, 40 boom hoists, four bridge hoists; storage capacity, 300,000 tons. No. 6, St. Louis Bay, three Brown hoists; storage capacity, 125,000 tons.

Great Lakes Coal & Dock Co., six rigs; capacity per hour, 250 tons soft coal, 300 tons hard.

Island Creek Coal Dock Co., Dock No. 2, St. Louis Bay, 19 ft. of water; three Brown hoists, capacity 200 tons per hour; storage capacity, 140,000 tons.

Morton Salt Co., Tower Bay slip, 14 to 15 ft. of water; capacity 50 tons per hour; storage capacity, 9,000 tons.

The C. Reiss Coal Co., 21 ft. of water; four McMyler bridges with two grab buckets, capacity 50 tons per hour each; storage capacity, 30,000 tons anthracite and 125,000 tons bituminous.

North Western Fuel Co., Dock No. 1, ft. Hill av.; east side four Brown unloading towers, 2-ton clamshells, capacity 500 tons per hour; west side, two Heyl & Patterson Unloading towers, 2-ton clamshells, capacity 600 tons per hour; storage capacity, 600,000 tons. Dock No. 2, St. Louis Bay; two Heyl & Patterson 5-ton man trolley bridges, capacity 1,000 tons per hour; storage capacity, 550,000 tons. Dock No. 3, foot of Banks ave., 17 unloading masts, capacity 350 tons per hour.

St. Paul & Western Coal Co., seven Hunt rigs, capacity of 3,000 tons of bituminous or 4,000 tons anthracite per day. Storage capacity, 200,000 tons.

St. Paul & Western Fuel Co., 21 ft. of water; 3,400 ft. frontage; eight Mead hoists with a capacity of 40 tons per hour each; storage capacity, 450,000 tons.

C. Reiss Coal Co., 19 ft. of water; three Wellman-Seaver-Morgan machines, capacity 180 tons per hour; storage capacity, 150,000 tons.

Northern Coal & Dock Co., dock on Superior Bay; has 21 ft. of water; three Mead towers equipped with 2-ton clamshells, capable of unloading 4,500 tons in 10 hours; storage capacity, 250,000; handing capacity, 500,000. Can be reached either from Duluth entry or Superior entry.

Lehigh Valley Coal Co., dock has 20 ft. of water; McMyler hoists for unloading hard coal and Bogle hoists for unloading soft coal with a combined capacity of 5,500 tons in 10 hours. Dock has storage capacity for 150,000 tons of anthracite and 50,000 tons of bituminous. Dock has a frontage of 900 ft.

Superior Manufacturing Co., Tower Slip, 18 ft. of water; two movable hoists, 1-ton buckets; capacity, 100 tons per hour.

M. A. Hanna Dock Co., Superior Bay, 20 ft. of water, 600 ft. frontage; three Mead towers, capacity 160 tons each per hour; cable railway system for distributing coal on dock and two steel bridges for reclaiming coal; anthracite sheds, 50,000 tons.

Philadelphia & Reading Coal Co., 22 ft. of water; electric machinery with 5-ton grab; four bridges, 2 hard coal and 2 soft; unloading capacity, 800 tons per hour; storage capacity, 400,000 tons.

Carnegie Dock & Fuel Co., 22 ft. of water; two Heyl & Patterson electrically operated bridges with 5-ton clamshells; unloading capacity about 200 tons per hour each; dock operated day and night during season of navigation; storage capacity about 500,000 tons.

Berwind Fuel Co., four electric rigs built by the J. M. Dodge Co., Philadelphia; storage capacity, 400,000 tons.

Thessalon, Ont.—

Algoma Customs Smelting Co., 18 ft. of water, one steam unloader.

Traverse City, Mich.—

Hannah Lay Co., 14 ft. of water; one whirley, capacity 25 tons per hour.

Toronto, Ont.—

Milnes Coal Co., Ltd., 20 ft. of water; one Brown hoist, ½-ton buckets, capacity 35 tons per hour.

Conger Coal Co., Ltd., 14 ft. of water; one Hunt hoist, ½-ton buckets, capacity 40 tons per hour.

P. Burmes & Co., one hoist, capacity 40 tons per hour.

City Water Works Dock, 14 ft. of water; unload with horses, capacity 25 tons per hour.

Toronto Electric Light Co., 14 ft. of water; one electric hoist, capacity 40 tons per hour.

Elias Rogers & Co., 14 ft. of water; one steam hoist, ½-ton buckets; capacity 40 tons per hour.

Dickson & Eddy, 14 ft. of water; two steam hoists, capacity 70 tons per hour.

Standard Fuel Co., Ltd., one electric tower, capacity 100 tons per hour.

Two Harbors, Minn.—

Duluth & Iron Range Railroad Co., three Mead-Morrison towers, on a trestle 56 ft. above water; each tower operated by a 130-horsepower steam engine; 56 cars equipped with automatic swivel grip are operated by 50-horsepower motor; length of cable 5,200 ft.; 80 pockets, capacity 4,500 tons; capacity of dock exclusive of pockets, 160,000 tons; bridge is 252 ft. long and 34 ft. from floor of dock to bottom of bridge and is operated by 150-horsepower motor; bridge travels 900 ft. at the rate of 30 ft. per minute; pickup bucket on bridge averages 80 tons per hour.

Two Rivers, Wis. —

Two Rivers Coal Co., two traveling bridges equipped with one-ton clamshells; machinery built by Chicago Hoisting & Conveying Machine Co.; capacity 100 tons per hour; 420 ft. long.

John Gesell, unloads by means of horses 30 tons per hour; dock 330 ft. long.

Washburn, Wis.—

City Dock, 20 ft. of water; two Brown hoists, capacity 75 tons per hour; storage capacity, 10,000 tons.

Northwestern Fuel Co., 16 hoists equipped with modern clamshell buckets; capable of handling 250,000 to 300,000 tons per season; storage capacity, 150,000 tons; 20 ft. of water; dock 550 ft. long.

Waukegan, Ill.—

C. Reiss Coal Co., 18½ ft. of water; five hoists, capacity 125 tons per hour; storage capacity, 100,000 tons.

C. Reiss Coal Co., 18½ ft. of water; three Mead-Morrison hoists, capacity 180 tons per hour; storage capacity, 100,000 tons.

West Duluth, Minn.—

Berwind Fuel Co.—See Duluth, Minn.

Island Creek Coal Dock Co.—See Duluth, Minn.

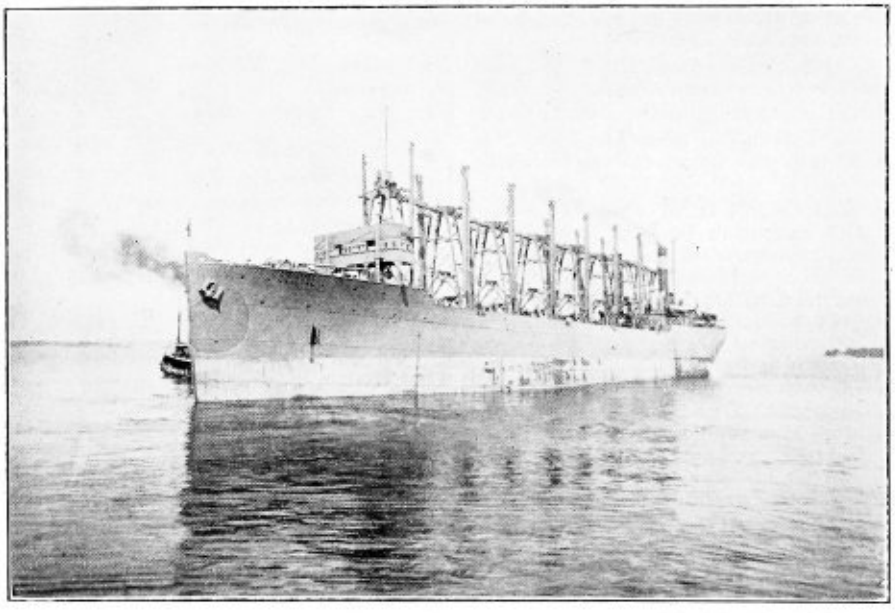
West Fort William, Ont.—

Canadian Northern Railway Co. Dock equipped with McMyler whirlies capable of unloading 1,500 tons per day; storage capacity, 50,000 tons.

Wiarton, Ont.—

Crown Portland Cement Co., Ltd., 13½ ft. of water; steam hoist with clamshell bucket, capacity 40 tons per hour.

Peninsula Tug & Towing Co., length of dock 200 ft.; depth of water 16 ft.; unloading done by horses; capacity, 300 tons per day; storage capacity, 2,000 tons.



U. S. NAVAL COLLIER NEPTUNE

Statement of Commerce to and from Lake Superior, through Canals at St. Marys Falls for each Calendar Year since 1870.

Figures for all years since 1895 represent combined commerce of the two canals at the Sault, Canadian and United States; for the proportion of commerce in Canadian vessels see page following.

Year.	TONNAGE AND CLASS OF VESSELS.					PASSENGER AND FREIGHT TRAFFIC.													
	Sailing vessels.	Steamers.	Unregistered Craft.	Total Passages.	Registered Tonnage.	Passengers, Number.	Coal, net Tons	Flour, Barrels.	Wheat, Bushels.	Grain, other than Wheat, Bushels.	Manufactured and Pig Iron, net Tons.	Salt, Barrels	Copper, net Tons.	Iron Ore, net Tons.	Lumber, Feet.	Silver Ore an, Bullion, net Tons.	Building Ston net Tons.	Unclassified Freight, net Tons.	Total Freight, net Tons.
1870	1,397	431	[b]	1,828	690,826	17,153	15,952	33,548	49,700	272,580	56,649	43,989	18,396	493,408	814,000	847	2,978	70,128	833,465
1871	1,064	573	[b]	1,637	752,101	15,859	46,798	26,040	1,376,705	424,468	67,409	46,666	25,756	609,752	1,098,000	985	2,102	91,119	1,073,570
1872	1,212	792	[b]	2,004	914,735	25,830	80,815	136,411	567,134	378,063	42,705	63,188	16,767	568,082	1,853,000	1,020	2,506	64,201	912,639
1873	1,519	968	[b]	2,517	1,204,446	30,966	96,780	172,692	2,119,997	264,674	18,116	63,520	22,529	555,750	2,191,000	768	2,754	69,007	937,351
1874	833	901	[b]	1,734	1,070,857	22,958	61,123	179,855	1,120,015	973,948	43,771	92,245	22,309	540,075	686,000	324	2,226	81,279	1,050,784
1875	569	1,464	[b]	2,033	1,259,534	19,685	101,260	309,991	1,213,788	2,553,436	54,302	77,916	21,753	677,073	4,498,000	66	2,283	100,849	1,321,906
1876	684	1,733	[b]	2,417	1,541,676	20,286	124,960	390,577	1,971,549	304,077	42,049	11,089	11,301	409,850	17,820,000	92	4,560	40,342	539,883
1877	1,401	1,050	[b]	2,451	1,439,216	21,800	91,575	355,117	1,349,738	308,832	57,216	36,199	14,562	327,461	15,373,000	464	5,528	74,227	585,583
1878	1,091	1,476	[b]	2,567	1,667,136	20,394	91,856	344,599	1,872,940	445,774	100,293	42,690	14,986	383,105	34,889,000	306	5,213	109,663	746,258
1879	1,403	1,618	100	3,121	1,677,071	18,979	110,704	451,154	2,603,666	309,645	47,996	29,335	15,947	504,121	43,439,000	580	2,218	123,398	888,432
1880	1,718	1,735	50	3,503	1,734,890	25,766	170,501	523,860	2,105,920	149,999	33,713	44,231	15,345	427,658	48,635,000	443	401	55,312	655,138
1881	1,706	2,117	181	4,004	2,092,757	24,671	295,647	605,453	3,456,965	367,838	87,830	65,897	29,488	748,131	58,877,000	....	1,400	129,031	1,567,741
1882	1,663	2,739	372	4,774	2,468,088	29,256	430,184	344,044	3,728,856	473,129	92,870	176,612	25,409	987,060	82,783,000	22	5,428	172,167	2,029,521
1883	1,458	2,620	237	4,315	2,042,259	39,130	714,444	687,031	5,900,473	776,552	109,910	70,898	31,024	791,732	87,131,000	814	2,405	191,571	2,267,105
1884	1,709	3,609	371	5,689	2,997,837	54,214	706,379	1,248,243	11,985,791	517,103	72,428	144,804	36,062	1,136,071	122,389,000	9,731	6,047	207,173	2,874,557
1885	1,689	3,354	337	5,380	3,035,937	36,147	894,991	1,440,093	15,274,213	422,981	60,842	136,355	31,927	1,235,122	127,984,000	3,669	8,189	184,963	3,256,628
1886	2,562	5,968	825	9,355	4,897,598	32,668	1,352,987	1,572,735	23,096,520	715,373	115,208	158,677	38,627	2,087,809	138,688,000	2,009	9,449	230,726	4,527,759
1887	2,562	5,968	825	9,355	4,897,598	32,688	1,352,987	1,572,735	23,096,520	775,166	74,919	204,908	34,886	2,497,713	165,226,000	350	13,401	344,586	5,494,649
1888	2,009	5,305	489	7,803	5,130,659	25,558	2,105,041	2,190,725	18,596,351	2,022,308	63,703	210,433	28,960	2,570,517	240,372,000	3,385	33,541	345,854	6,411,423
1889	2,635	6,501	443	9,579	7,221,935	25,712	1,629,197	2,228,707	16,231,854	2,133,245	57,561	168,250	33,456	4,095,855	315,554,000	5,947	33,538	312,410	7,516,022
1890	2,872	7,268	417	10,557	8,454,435	24,856	2,176,925	3,239,104	16,217,370	2,044,384	116,327	179,431	43,729	4,774,768	361,929,000	3,432	47,973	371,294	9,041,213
1891	2,405	7,339	447	10,191	8,400,685	26,190	2,507,532	3,780,143	38,816,570	1,032,104	69,741	234,528	69,190	3,560,213	366,305,000	1,731	44,080	417,093	8,888,759
1892	3,324	8,737	519	12,580	10,647,203	25,896	2,904,266	5,418,135	40,994,780	1,666,690	101,520	275,740	64,993	4,901,132	512,844,000	1,930	39,698	459,146	11,214,333
1893	2,955	8,379	674	12,008	8,949,754	18,869	3,008,120	7,420,674	43,481,652	2,405,344	89,452	228,730	87,530	4,014,556	588,545,000	2,470	19,426	415,180	10,796,572
1894	3,676	10,208	607	14,491	13,110,366	27,236	2,797,184	8,965,773	34,869,483	1,545,008	60,659	237,461	99,573	6,548,876	722,788,000	412	21,417	451,185	13,195,850
1895	4,790	12,495	671	17,956	16,806,781	31,656	2,574,362	8,902,302	46,218,250	8,328,694	100,337	269,919	107,452	8,062,209	740,700,000	100	23,876	463,308	15,062,580
1896	4,391	13,404	820	18,615	17,249,418	37,066	3,023,340	8,882,858	63,256,463	27,448,071	121,872	237,515	116,872	7,909,250	684,986,000	240	17,731	520,851	16,239,061
1897	4,438	12,029	704	17,171	17,619,933	40,213	3,039,172	8,921,143	55,924,302	24,889,688	135,164	285,449	122,324	10,633,715	805,612,000	5	6,249	579,048	18,982,755
1898	4,449	12,461	851	17,761	18,622,754	43,426	3,776,450	7,778,043	62,339,996	26,078,384	250,170	301,560	124,226	11,706,960	895,485,000	.....	4,670	623,146	21,234,664
1899	4,776	14,378	1,101	20,255	21,958,347	49,082	3,940,887	7,114,147	58,397,335	30,000,935	214,585	316,336	120,090	15,328,240	1,038,057,000	487	39,063	587,484	25,255,810
1900	4,004	14,426	1,022	19,452	22,315,834	58,555	4,486,977	6,760,688	40,489,302	16,174,659	135,585	328,895	131,066	16,443,568	909,651,000	110	48,902	541,397	25,643,073
1901	4,482	14,372	1,187	20,041	24,626,976	59,663	4,593,136	7,634,350	52,812,636	24,760,547	206,443	443,774	98,601	18,090,618	1,072,124,000	.....	46,584	558,041	28,403,065
1902	4,368	17,069	1,222	22,659	31,955,582	59,377	4,812,478	8,910,240	76,730,965	27,740,822	198,152	443,306	120,612	24,277,555	1,091,471,000	1	38,919	740,100	35,961,146
1903	3,569	14,027	1,000	18,596	27,736,444	55,175	6,937,633	7,093,380	61,384,552	32,095,646	193,267	454,882	112,877	21,654,898	1,003,192,000	.....	21,300	659,839	34,674,437
1904	2,994	12,188	938	16,120	24,364,138	37,695	6,454,869	4,710,538	49,928,869	33,030,992	229,985	365,459	109,605	19,635,797	923,280,000	1,356	27,093	732,009	31,546,106
1905	3,263	17,197	1,219	21,679	36,617,699	54,204	6,509,056	5,772,719	68,321,288	39,229,553	237,696	423,122	106,520	31,332,637	966,806,000	41	10,899	836,583	44,270,680
1906	2,817	18,138	1,200	22,155	41,098,324	63,033	8,739,630	6,495,350	84,271,358	54,343,155	391,105	468,162	107,633	35,357,042	900,631,000	.....	6,222	1,134,851	51,751,083
1907	2,303	17,245	889	20,437	44,087,974	62,758	11,400,095	6,524,770	98,135,775	43,463,338	307,941	460,802	89,959	39,594,944	649,320,000	.....	898	1,022,654	58,217,214
1908	1,355	12,553	1,273	15,181	31,091,730	53,287	9,902,460	5,704,375	106,041,873	43,458,583	289,308	547,223	101,735	24,650,340	453,761,000	.....	1,019	842,901	41,390,557
1909	1787	16,463	954	19,204	46,751,717	59,948	9,940,026	7,094,175	113,253,561	46,519,451	522,281	651,091	127,212	40,014,978	552,380,000	.....	1,784	1,140,344	57,895,149
1910	1890	17,674	1,335	20,899	49,856,123	66,933	13,513,727	7,576,789	86,259,974	39,245,485	444,669	528,610	148,070	41,603,634	603,101,000	.....	9,635	1,411,549	62,363,218
1911	1,681	15,160	1,832	18,673	41,653,488	79,951	15,332,876	7,246,495	97,141,911	40,782,609	412,269	661,308	132,481	30,731,235	558,513,000	.....	5,342	1,385,918	53,477,216
1912	1,805	19,076	1,897	22,778	56,736,807	66,877	14,931,594	8,652,153	174,086,456	69,024,546	654,892	660,991	116,954	46,303,423	667,542,000	.....	2,282	1,664,783	72,472,676

[b] No record kept until 1879.

Estimated Value of Freight by Items, through Canals at Sault Ste. Marie, Canadian and United States.

ITEMS	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912
Coal, hard and soft	$ 24,898,407	$ 19,657,221	$ 20,706,302	$ 25,136,044	$ 34,461,584	$ 28,868,837	$ 29,044,855	$ 41,392,801	$ 48,552,057	$ 49,303,871
Flour	31,920,210	25,907,959	30,018,139	27,280,470	32,623,850	29,947,969	38,308,545	36,974,730	34,058,527	40,665,119
Wheat	49,107,642	52,425,313	61,489,159	67,417,086	98,135,775	107,102,292	120,048,775	88,330,213	97,627,621	167,993,430
Grain, other than wheat	22,787,909	23,121,694	25,891,505	38,583,640	36,074,571	37,374,381	39,541,533	30,611,478	32,626,087	53,839,146
Manufactured iron	18,385,950	18,512,600	18,195,100	29,614,880	23,002,800	20,275,950	36,122,025	31,654,320	29,773,920	50 324,800
Pig iron	$22,440	672,885	872,409	387,002	474,440	331,835	707,380	808,335	601,425	374,564
Salt	318,417	255,821	296,185	351,121	345,602	410,417	488,318	396,458	529,046	495,743
Copper	25,961,710	26,305,200	30,358,200	36,595,220	27,887,290	..,044,160	32,566,272	32,921,884	23,184,175	28,653,730
Iron ore	74,709,398	52,034,862	93,997,911	121,981,795	148,481,040	83,811,156	146,054,670	165,582,463	107,559,323	134,279,927
Lumber	18,057,456	16,388,220	17,885,911	19,813,882	14,934,360	9,528,981	12,152,360	13,509,462	12,566,543	15,687,237
Silver ore and bullion	.....	74,580	2,255	.....	.....	.....	.....	.....	.....	.....
Building stone	255,600	325,116	130,788	74,664	10,776	10,190	17,840	96,350	53,420	96,350
Unclassified freight	82,479,875	98,821,215	117,121,620	170,227,650	153,398,100	126,435,150	171,051,600	211,732,350	207,887,700	211,732,350
Total	349,405,014	$334,502,686	$416,965,484	$537,463,454	$569,830,188	$470,141,318	$626,104,173	$654,010,844	$595,019,844	$654,010,844

In 1901 the value of bituminous was $10,987,065, anthracite $4,505,161; 1902, bituminous, $14,633,223, anthracite, $1,937,175; 1903, bituminous, $18,234,178, anthracite, $6,664,229; 1904, bituminous, $14,205,467, anthracite, $5,451,754; 1905, bituminous, $15,191, anthracite, 5,514,326; 1906, bituminous, $19,320,638, anthracite, $5,815,406; 1907, bituminous, $25,722,910, anthracite, $8,738,674; 1908, bituminous, $21,294,293, anthracite, $7,574,544; 1909, bituminous, $21,319,098, anthracite, $7,725,757; 1910, bituminous $32,600,928, anthracite, $8,791,873; 1911, anthracite, $12,052.223; bituminous, $36,499,834; 1912, anthracite. $12,854,910; bituminous, $36,448,961.

Results Obtained from Discussion of Traffic Statistics, St. Marys Falls Canals.

SEASONS.	Total mile-tons.	Total cost of transportation.	Cost of carrying per mile-ton.	Average distance freight was carried.	Value of American craft.	Value of Canadian craft.	Proportion of freight carried by Canadian vessels.
1893	8,980,310,240	$ 9,957,483	1.1 Mills	831 9-10 Miles.	$39,017,400	$2,115,700	4 1-10 Per Ct.
1894	10,927,871,324	10,798,310	.99 "	821 1-10 "	41,124,200	1,959,800	3½ "
1895*	12,502,548,892	14,238,758	1.14 "	830 "	40,858,800	2,037,000	3¾ "
1896*	13,582,641,886	13,511,615	.99 "	836 4-10 "	43,006,200	2,135,300	4 "
1897*	15,969,393,576	13,220,099	.83 "	841 3-10 "	42,375,700	2,001,400	3 "
1898*	17,891,597,030	14,125,896	.79 "	842 6-10 "	45,199,800	2,491,900	2 2-10 "
1899*	20,891,944,628	21,959,707	1.05 "	827 2-10 "	65,000,520	3,369,600	3 1-10 "
1900*	21,179,229,014	24,953,314	1.18 "	825 9-10 "	66,116,583	3,618,576	3 "
1901*	23,383,861,987	23,217,974	.99 "	823 3-10 "	57,244,200	3,311,900	4 "
1902*	29,755,916,637	26,566,189.40	.89 "	827 4-10 "	67,205,000	3,792,400	4 "
1903*	28,974,660,408	27,727,735.17	.92 "	835 6-10 "	68,252,800	6,384,500	6 "
1904*	26,608,815,636	21,552,894.30	.81 "	843 5-10 "	63,789,300	5,377,100	6 "
1905*	36,892,797,973	31,420,584.54	.85 "	833 3-10 "	73,211,300	5,429,000	5 "
1906*	43,596,953.680	36,666,889.00	.84 "	842 4-10 "	88,392,000	6,140,500	5 "
1907*	48,221,465,547	38,457,345.00	.80 "	828 3-10 "	102,525,500	7,918,000	5 "
1908*	34,853,548,177	23,903,244	.69 "	842 "	101,643,000	111,697,000	7 "
1909*	46,812,929,345	36,291,948	.78 "	809 "	116,192,000	126,899,000	6 "
1910*	52,405,535,136	38,710,904	.74 "	840 "	123,061,500	11,675,000	8 "
1911*	44,173,813,400	29,492,196	.67 "	826 "	109,336,000	12,211,500	7 "
1912*	60,242,833,014	40,578,225	.67 "	831 "	125,618,800	12,927,500	6 "

*Combined commerce of United States and Cana dian canals.

Leading Particulars of Canadian Canals.

LACHINE CANAL.

Length of canal, 8½ statute miles.
Number of locks, 5.
Dimensions of locks, 270 ft. by 45 ft.
Total rise or lockage, 45 ft.
Depth of water on sills at two locks, 18 ft.
Depth of water on sills at three locks, 14 ft.
Average width of new canal, 150 ft.

SOULANGES CANAL.

Length of canal, 14 statute miles.
Number of locks, lift 4, guard 1.
Dimensions of locks, 280 ft. by 45 ft.
Total rise or lockage, 84 ft.
Depth of water on sills, 15 ft.
Breadth of canal at bottom, 100 ft.
Breadth of canal at water surface, 164 ft.
Number of arc lights, 219 of 2,000 c. p. each.

CORNWALL CANAL.

Length of canal, 11 statute miles.
Number of locks, 6.
Dimensions of locks, 270 ft. by 45 ft.
Total rise or lockage, 48 ft.
Depth of water on sills, 14 ft.
Breadth of canal at bottom, 100 ft.
Breadth of canal at water surface, 164 ft.
Number of arc lights, 350.

WILLIAMSBURG CANALS.

(The Farran's Point, Rapide Plat and Galops Canals are collectively known as the Williamsburg Canals.)

FARRAN'S POINT CANAL.

Length of canal, 1 mile.
Number of locks, 1.
New lock, 800 ft. by 45 ft.
Old lock, 200 ft.
Total rise or lockage, 3½ ft.
Depth of water on sills of new lock, 14 ft.
Depth of water on sills of old lock, 9 ft.
Breadth of canal at bottom, 90 ft.
Breadth of canal at water surface, 154 ft.

RAPIDE PLAT CANAL.

Length of canal, 3 2/3 miles.
Number of locks, 2.
Dimensions of locks, 270 ft. by 45 ft.
Total rise or lockage, 11½ ft.
Depth of water on sills, 14 ft.
Breadth of canal at bottom, 80 ft.
Breadth of canal at surface of water, 152 ft.

GALOPS CANAL.

Length of canal, 7 1-3 miles.
Number of locks, 3.
Dimensions of locks, one of which is a guard lock, 2 270 ft. by 45 ft., 1 800 ft. by 45 ft.
Total rise or lockage, 15½ ft.
Depth of water on sills, 14 ft.
Breadth of canal at bottom, 80 ft.
Breadth of canal at surface of water, 144 ft.

MURRAY CANAL.

Length between eastern and western piers, 5 1/6 miles.
Breadth at bottom, 80 ft.
Breadth at water surface, 120 ft.
Depth below lowest known lake level, 11 ft.
No locks.

WELLAND CANAL.

Length of canal, old line, 27½ miles; enlarged or new line, 26¾ miles.
Pairs of guard gates (formerly 3), enlarged or new line, 2.
Number of locks, lift, old line, 26; enlarged or new line, 25; guard, old line, 1; enlarged or new line, 1.
Dimensions—Old line, 1 lock, 200 ft. x 45 ft.; 1 lock, old line, 200 ft. x 45 ft.; 1 (tidal), old line, 230 ft. x 45 ft.; old line, 24 locks, 150 ft. x 45 ft.; enlarged or new line, 270 ft. x 45 ft.
Total rise or lockage, 326¾ ft., for both old and new lines.
Depth of water on sills, old line, 10¾ ft.; enlarged or new line, 14 ft.

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SUBORDINATE HARBORS, PLACES OF MEETING, PRESIDENTS' NAMES AND SECRETARIES' NAMES AND ADDRESSES.

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Enterprise Harbor No. 2.—Northwest cor. 4th and Federal sts., Camden, N. J.—N. L. Cullin, President; M. D. Tenniswood, Secretary, 308 Vine st.

Mariners' Harbor No. 3.—Griffiths bldg., Hasbrouck ave., Kingston, N. Y.—C. E. Conklin, Jr., President; C. B. Gage, Secretary, 336 Hasbrouck ave.

Volunteer Harbor No. 4.—150 State st., Boston, Mass.—R. M. Lavender, President; H. L. Hopkins, Secretary, 150 State st., Boston, Mass.

Capital City Harbor No. 7.—Engineers' Hall, 41 Hudson ave., Albany, N. Y.—H. S. Loucks, President; George Trei, Secretary, 17 Ferry st., Rensselaer, N. Y.

Eureka Harbor No. 8.—Exchange bldg., New London, Conn.—D. J. Hunt, President; C. H. Niles, Secretary, 31 Garfield ave.

Progressive Harbor No. 9.—I. O. O. F. bldg., room 3, Church st., Norfolk, Va.—Wm. L. Owens, President; W. P. Overman, Secretary.

Bridgeport Harbor No. 10.—Magna Charta Hall, 108 State st., Bridgeport, Conn.—I. A. Parsell, President; R. J. Baird, Secretary, 60 Revere st.

What-Cheer Harbor No. 13.—Room 10, Gaspee bldg., S. Main st., Providence, R. I.—Henry Binns, Jr., President; J. H. White, Secretary, Box 1094.

Rescue Harbor No. 14.—505 E. Baltimore st., Baltimore, Md.—R. S. Lavender, President; C. L. Warwick, Secretary, 505 E. Baltimore st.

California Harbor No. 15.—Room 608, 110 Market st., San Francisco, Cal.—Wm. Westcott, President; W. C. Rodgers, Secretary.

Puget Sound Harbor No. 16.—Room 487, Arcade Annex, Seattle, Wash.—Carl C. Guntert, President; P. Mullen, Secretary, 487 Arcade Annex.

Crescent City Harbor No. 18.—Room 519 Godchaux bldg., New Orleans, La.—M. J. Gibbons, President; J. A. Comstock, Secretary.

Galveston Harbor No. 20.—Room 1, Marine bldg., Galveston, Tex.—R. T. Carroll, President; E. C. Lossow, Secretary, care T. L. Cross & Co.

Columbia Harbor No. 22.—Carnihan Hall, Bond st., Astoria, Ore.—W. S. Gordon, President; J. W. Welch, Secretary, 681 Grand ave.

Willamette Harbor No. 23.—23 Second st., Portland, Ore. S. V. Short, President; A. L. Pease, Secretary, 784 Pettegrove ave.

Pittsburg Harbor No. 25.—Rooms 19 and 20, Iron Exchange bldg., 8 Wood st., Pittsburg, Pa.—I. L. Reno, President; A. R. Mackey, Secretary, 8 Wood st.

St. Louis Harbor No. 28.—Room 601, Houser bldg., St. Louis, Mo.—J. E. Luebben, President; D. Kerwin, Secretary, 206 N. Commercial st.

Forest City Harbor No. 36.—Pilots' Office, 28 Bay st., E. Savannah, Ga.—W. J. Thompson, President; W. T. Daniels, Jr., Secretary, care Pilots' Office, Bay st. E.

Port Jefferson Harbor No. 38.—First National Bank bldg., Main st., Port Jefferson, N. Y.—L. Dickerson, President; H. M. Davis, Secretary.

Golden Gate Harbor, No. 40.—Mission st., Room 3, San Francisco, Cal.—Charles Love, President; P. N. Stofen, Secretary.

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Tampa Harbor No. 82.—C. S. Washington, President; C. J. Belgau, Secretary, 110 Bay Shore blvd.

Piscataqua Harbor No. 83.—Grand Army Hall, Portsmouth, N. H.—Thomas B. Hoyt, President; O. H. Frisbee, Secretary.

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Freight Rates on Principal Commodities in the Trade of the Great Lakes.

Probably the most valuable figures dealing with lake freights on this page are those showing average rates at which all ore, wild and contract, was moved from the head of Lake Superior. These figures are obtained from the ore shippers, and for ten years past are as follows:

AVERAGE RATES ON ALL ORE (TONNAGE AVERAGED) MOVED FROM DULUTH AND OTHER PORTS AT THE HEAD OF THE LAKES TO OHIO PORTS.

Year.	Average Rate. Cents.	Year.	Average Rate Cents.
1906	75.079	1901	79.99
1905	75.06	1900	120.7
1904	72.54	1899	79.4
1903	84.01	1898	59.0
1902	77.49	1897	63.8

Unlike rates noted in the foregoing table, other figures on this page are not tonnage averages. They are the averages of rates ruling from day to day throughout the season and are prepared from daily records of vessel charters kept by the Marine Review.

AVERAGE RATES ON WHEAT PER BUSHEL BY LAKE FROM CHICAGO TO BUFFALO.

Year.	Cents.	Year	Cents.	Year.	Cents
1860	9.89	1876	2.90	1892	2.19
1861	11.53	1877	3.72	1893	1.66
1862	10.59	1878	3.07	1894	1.27
1863	7.51	1879	4.74	1895	1.97
1864	9.58	1880	5.76	1896	1.70
1865	9.78	1881	3.44	1897	1.56
1866	12.34	1882	2.50	1898	1.53
1867	6.67	1883	3.41	1899	2.71
1868	7.14	1884	2.18	1900	1.79
1869	6.81	1885	2.02	1901	1.42
1870	5.88	1886	3.68	1902	1.51
1871	7.62	1887	4.13	1903	1.41
1872	11.46	1888	2.56	1904	1.32
1873	7.62	1889	2.51	1905	1.67
1874	4.03	1890	1.96	1906	1.72
1875	3.42	1891	2.38	1907	1.57
				1908	1.00
				1909	1.56
Average for 50 years, 3.68.				1910	1.44
				1911	1.08
				1912	1.39

Charges to vessels for shoveling, trimming and tallying weights of grain amounted to $4.12½ per 1,000 bushels in 1912

AVERAGES OF DAILY RATES ON SOFT COAL FROM OHIO PORTS TO MILWAUKEE, ESCANABA, DULUTH, GREEN BAY AND MANITOWOC.

Year.	Milwaukee, Cents	Escanaba. Cents.	Duluth. Cents.	Green Bay. Cents.	Manitowoc. Cents.
1900	45	40	40	45	43½
1901	49	46	38	48½	48
1902	46½	41½	34½	46½	42
1903	50½	45	41½	50½	46
1904	47	40	37	45½	47
1905	46½	41½	33½	42	41½
1906	46	42	35	42	42
1907	40	35	30	35	35
1908	40	35	30	35	35
1909	37	31	31	32	31
1910	35½	35	31	36	35½
1911	32	31	32	31	31
1912	30	30	30	30	30
Average for ten years	40	36½	33	38	37

Coal of all kinds shipped in net tons and handled without charge to vessel.

Chicago rate about same as Milwaukee.

AVERAGE FREIGHT RATES ON IRON ORE PER GROSS TON FROM PORTS NAMED TO OHIO PORTS—TABLE COVERING WILD AND CONTRACT RATES FOR TWENTY YEARS PAST.

	Escanaba.		Marquette,		Ashland and other ports at the head of Lake Superior.	
Year.	Wild or daily rate.	Contr'ct rate.	Wild or daily rate.	Contr'ct rate.	Wild or daily rate.	Contract rate.
1889	1 01	1 00	1 19	1 10	1 34	1 25
1890	89	1 10	1 07	1 25	1 17	1 35
1891	84	65	1 02	90	1 11	1 00
1892	74	1 00	98	1 15	1 15	1 25
1893	56	85	71	1 00	77	1 00
1894	46	60	60	80	78	80
1895	73	55	92	75	1 13	80
1896	52	70	66	95	77	1 05
1897	45	45	55	65	57	70
1898	51	45	60	60	62	60
1899	95	50	1 08	60	1 29½	60
1900	69½	1 00	78½	1 10	84½	1 25
1901	64	60	79	70	89	80
1902	59	60	66	70	77	75
1903	61	65	72	75	81	85
1904	53½	55	62	60	70	70
1905	61	60	70	70	77	75
1906	60	60	70	70	75½	75
1907	60	60	70	70	75	75
1908	50	50	60	60	65	65
1909	52	50	61	60	66	65
1910	55	55	65	65	70	70
1911	45	45	55	55	60	60
1912	39	35	49	45	54	50

Charge to vessels in 1912 for unloading iron ore was 10 cents per ton. The wooden vessels that required trimming paid an additional charge of about 3 cents per ton for that service.

Average ore rate for the entire period of twenty years: Escanaba, wild 57 cents, contract, 58 cents; Marquette, wild, 68 cents, contract, 70½ cents; Ashland and other ports at the head of Lake Superior, wild 76½ cents, contract 76 cents.

Average for past ten years: Escanaba, wild 53½ cents, contract 53½ cents; Marquette, wild 63 cents, contract 63 cents; Ashland and other ports at the head of Lake Superior, wild 69 cents, contract 69 cents.

AVERAGE OF DAILY LAKE FREIGHT RATES ON HARD COAL FROM BUFFALO TO CHICAGO AND DULUTH DURING PAST TEN YEARS.

Year.	Chicago, Cents.	Duluth, Cents.	Year.	Chicago, Cents.	Duluth, Cents.
			1904	43	34
1900	48	39½	1905	44	34
1901	50	38	1906	45	35
1902	42	33	1907	40	31
1903	48	38	1908	40	30
			1909	41	32
			1910	41	31.5
			1911	35	30
			1912	30	30
Average for 10 years				41	32½

Rate to Milwaukee practically the same as to Chicago.

Hard coal is also net tons and is handled without charge to vessel.

LAKE FREIGHT RATES ON WHEAT, DULUTH TO BUFFALO.

Year.	Rate cts.	Year.	Rate cts.
1912	2.01		
1911	1.17		
1910	1.33		
1909	1.96		
1908	1.22		
1907	1.86	1896	2.12
1906	2.19	1895	3.50
1905	2.31	1894	1¼@3
1904	1.81	1893	1¼@3½
1903	1.6	1892	2¼@4
1902	1.9	1891	1¾@9¼
1901	2.3	1890	2 @5
1900	2.0	1889	2 @5
1899	3.6	1888	2 @5
1898	1.8	1887	2 @8
1897	1.75	1886	3¼@8

Figures for fifteen years past represent average of daily rates for full season; previous to 1895 rates given are highest and lowest of the year.

AVERAGE LUMBER RATES, DULUTH TO LAKE ERIE PORTS.

Year	Rate, per M.	Year	Rate, per M.
1912	$2.76		
1911	2.60		
1910	2.34		
1909	2.40	1904	2.54
1908	2.61	1903	2.57
1907	2.58	1902	2.54
1906	2.71	1901	2.66
1905	2.45	1900	2.33

COMMERCE OF PORTAGE LAKE SHIP-CANALS

Reports from the United States engineer officers in charge of the Portage Lake ship canals in the northern peninsula of Michigan are interesting as showing the commerce of the famous copper region of Lake Superior.

TONS OF FREIGHT AND VALUE OF FREIGHT PASSED THROUGH PORTAGE LAKE SHIP CANALS.

Year.	Number of Vessels	Total freight, net tons.	Value of freight.
1895	.....	923,756	$29,832,367.70
1896	3,569	1,041,933	29,953,787.02
1897	2,931	1,020,723	34,044,268.85
1898	3,909	1,367,685	39,254,415.50
1899	3,931	1,582,169	54,994,843.70
1900	4,020	1,867,772	57,380,129.05
1901	3,921	2,116,624	56,876,480.65
1902	4,631	2,532,323	65,326,818.80
1903	4,434	2,420,948	65,073,318.95
1904	3,683	2,397,553	59,008,948.31
1905	3,757	2,413,445	79,869,500.00
1906	3,567	2,632,355	102,846,779.00
1907	3,647	2,448,041	101,774,776.00
1908	3,085	2,263,914	77,323,898.00
1909	2,984	2,544,073	85,266,001.00
1910	3,426	2,384,676	77,262,115.00
1911	2,839	2,146,617	78,861,611.00
1912	2,280	2,406,618	86,582,812.00

APPROPRIATIONS MADE BY U. S. GOVERNMENT FOR RIVER AND HARBOR IMPROVEMENTS

1879	$ 8,201,700.00	1895	$20,043,180.00
1880	7,846,600.00	1896	11,462,115.00
1881	8,951,500.00	1897	16,244,147.00
1882	11,441,300.00	1898	20,832,412.91
1883	18,738,875.00	1899	14,627,449.56
1884	.....	1900	25,110,038.94
1885	13,949,200.00	1901	16,285,605.75
1886	.....	1902	7,046,623.00
1887	14,473,900.00	1903	20,243,157.00
1888	.....	1904	20,228,150.99
1889	22,397,616.90	1905	10,872,200.00
1890	.....	1906	26,561,281.75
1891	25,136,395.00	1907	43,310,813.00
1892	2,951,200.00	1908	18,092,945.00
1893	21,968,219.00	1909	29,826,139.00
1894	14,166,153.00	1910	32,805,234.00

VALUE OF FREIGHT CARRIED THROUGH PORTAGE LAKE SHIP CANALS DURING THE CALENDAR YEAR 1912

Description of Cargo.	Unit.	Quantity.	Price.	Value.	Tons.
Cement	Bbls.	152,645	$ 1.80	$274,761	30,529
Coal, hard	Tons	28,679	6.00	172,074	28,679
Coal, soft	Tons	106,379	3.00	319,137	106,379
Coke	Tons	2,500	5.50	13,750	2,500
Copper, refined	Tons	8,354	340.99	2,848,630	8,354
Flaxseed	Bush.	328,587	1.65+	542,606	9,200
Flour	Bbls.	1,747,390	5.08+	8,878,634	174,739
Grains (except F. & W.)	Bush.	531,151	.57+	304,241	11,236
Iron, Manftd	Tons	113,586	35.65	4,049,341	113,586
Iron Ore	Tons	74,308	2.60	193,201	74,308
Lath	M.	3,950	2.39	9,441	987
Limestone	Tons	21,622	1.55	33,514	21,622
Lumber	M.	159,182	19.33	3,076,988	275,444
Brick	M.	582	12.60	6,984	1,455
Machinery	Tons	674	275.00	185,350	674
Misc. Mdse	Tons	147,650	200.00	29,530,000	147,650
Nitrate Soda	Tons	756	50.00	37,800	756
Oils	Bbls.	20,700	3.67+	75,996	4,140
Poles, Cedar	No.	12,000	1.15	13,800	2,400
Salt	Bbls.	164,128	.95	155,922	23,447
Sand	Cu. Yd.	1,538	.70	1,077	2,050
Shingles	M.	183,802	3.00	551,406	18,380
Ties, cedar	No.	9,035	.48	4,337	502
Wheat	Bush.	3,159,983	.95+	3,004,096	94,799
Totals				$54,283,086	1,153,816

DIMENSIONS OF THE LARGEST LAKE FREIGHT STEAMER, COL. J. M. SCHOONMAKER, OWNED BY THE WESTON TRANSIT CO., NORTH TONAWANDA, N. Y., COMPARED WITH THE LARGEST ATLANTIC LINERS, LUSITANIA, OF THE CUNARD LINE, AND KRONPRINZESSIN CECILIE OF THE NORTH GERMAN LLOYD.

Dimensions.	Col. J. M. Schoonmaker Feet.	Lusitania. Feet.	Kronprinzessin Cecilie. Feet.
Length over all	617	785	706
Length of keel	597	760	677 2-3
Beam	64	87 2-3	71¾
Depth	33	46¼	44-7 in.

SHIPS GIVEN UP AS TOTAL LOSSES

In the following table of total losses on the great lakes account is taken simply of vessels that have actually passed out of existence during the past ten years. Heavy losses are also due to collisions of the kind that do not result in the total destruction of the ship, and from steel vessels stranding in connecting channels, but statistics on this score are not given out by the underwriters.

	Number of Vessels.	Capacity, Net Tons.	Value.
1912	16	28,200	$ 520,000
1911	28	40,600	750,000
1910	19	52,061	2,000,000
1909	34	39,627	1,965,000
1908	26	25,412	579,000
1907	27	18,823	578,000
1906	47	58,165	976,000
1905	51	98,095	2,318,400
1904	31	27,972	843,600
1903	41	28,470	485,370
1902	38	30,450	810,400
1901	54	38,301	745,500

CONDENSED STATEMENT OF COMMERCE AT THE HEAD OF THE LAKES, DULUTH AND SUPERIOR HARBORS.

Year.	Receipts and shipments, Net Tons.	Valuation, receipts and shipments.	Number of vessels enter'd and departed.	Registered tonnage of vessels.
1901	12,973,373	161,305,819	13,258	17,245,719
1902	17,505,793	194,444,695	15,866	23,811,275
1903	17,966,718	177,594,212	14,098	23,250,358
1904	16,617,017	157,233,209	11,761	19,879,783
1905	22,676,145	196,751,583	13,549	26,216,154
1906	29,171,221	251,899,844	14,854	32,842,351
1907	34,786,705	287,529,694	13,942	35,574,805
1908	23,797,162	223,114,320	10,488	26,059,959
1909	32,529,301	261,509,159	13,259	35,150,934
1910	36,684,578	284,049,072	14,773	42,331,713
1911	30,672,846	236,056,373	12,770	36,730,619
1912	41,474,776	320,921,932	15,078	45,682,514
Total	316,855,635	2,752,409,912	163,696	364,675,184

CARGO RECORDS—LAKE FREIGHT VESSELS.

Iron Ore—Steamer W. B. Kerr, owned by Weston Transit Co., W. M. Mills, manager, North Tonawanda, N. Y., 12,243 gross tons, Superior to Conneaut. Steamer Henry H. Rogers, owned by Pittsburg Steamship Co., Harry Coulby, Mgr., Cleveland, 13,333 gross tons, 14,932 net tons, Escanaba to South Chicago. Steamer J. Pierpont Morgan, owned by Pittsburg Steamship Co., Harry Coulby, manager, Cleveland, 11,836 gross tons, 13,256 net tons, Ashland to South Chicago. Steamer J. Pierpont Morgan, Pittsburg Steamship Co., Harry Coulby, Cleveland, manager, 13,294 gross tons, or 14,889 net tons, Escanaba to South Chicago. Steamer E. H. Gary, owned by Pittsburg Steamship Co., Harry Coulby, Cleveland, manager, 11,203 gross tons, or 12,547 net tons, Ashland to South Chicago. Steamer E. H. Gary, owned by Pittsburg Steamship Co., Harry Coulby, Cleveland, manager, 12,003 gross tons, or 13,443 net tons, Escanaba to South Chicago. Steamer Augustus B. Wolvin, owned by Acme Steamship Co., A. B. Wolvin, Duluth, manager, 10,245 gross tons or 11,474 net tons, Duluth to Erie, Pa. Steamer Augustus B. Wolvin, owned by Acme Steamship Co., A. B. Wolvin, Duluth, manager, 10,973 gross tons or 12,285 net tons, Escanaba to South Chicago. Steamer Wm. Edenborn, owned by Pittsburg Steamship Co., Harry Coulby, Cleveland, manager, 8,807 gross tons or 9,864 net tons, Escanaba to South Chicago. Steamer Sahara, owned by Globe Steamship Co., G. A. Tomlinson, Duluth, manager, 8,737 gross tons or 9,785 net tons, Duluth to Conneaut.

Grain—Steamer Legrand S. DeGraff, owned by Weston Transit Co., W. M. Mills, manager, North Tonawanda, N. Y., 421,961 bu. wheat, Duluth to Buffalo; steamer W. M. Mills, owned by Weston Transit Co., North Tonawanda, N. Y., 416,000 bu. wheat, Duluth to Buffalo; steamer W. B. Kerr, owned by Weston Transit Co., North Tonawanda, N. Y., 402,000 bu. wheat, Duluth to Buffalo. Steamer James Laughlin, owned by Interstate Steamship Co., W. H. Becker, Cleveland, manager, 393,000 bu. flax, Duluth to Buffalo. Steamer Wm. P. Snyder, owned by Shenango Steamship Co., W. B. Davock, manager, Cleveland, 380,262 bu. wheat, Fort William to Buffalo. Steamer B. F. Jones, owned by Interstate Steamship Co., W. H. Becker, Cleveland, manager, 380,000 bu. wheat, Duluth to Buffalo. Steamers J. H. Reed and D. G. Kerr, Provident Steamship Co., A. B. Wolvin, Duluth, manager, 275,000 bu. of wheat each equal to 8,250 tons (2,000 lbs.), Duluth to Buffalo; steamer D. M. Clemson, Provident Steamship Co., A. B. Wolvin, Duluth, manager, 336,365 bu. of barley, equal to 8,073 tons, Duluth to Buffalo; steamer Rensselaer, Pittsburg Steamship Co., Harry Coulby, Cleveland, manager, 151,000 bu. of wheat, 94,000 bu. of barley and 55,155 bu. of oats (300,155 bu. in all), equal to 7,668 tons, Chicago to Buffalo; steamer Mataafa, Pittsburg Steamship Co., Harry Coulby, Cleveland, manager, 185,399 bu. of corn, 40,000 bu. of rye and 43,600 bu. of wheat (268,000 bu. in all), equal to 7,619 tons, Chicago to Buffalo. Steamer Wm. A. Rogers, Niagara Transit Co., W. M. Mills, North Tonawanda, manager, 351,661 bu. of wheat, equal to 10,549 tons, Fort William to Buffalo.

Coal—Steamer L. S. DeGraff, owned by Weston Transit Co., North Tonawanda, N. Y., 12,935 net tons bituminous coal, Lorain to Duluth-Superior; steamer L. S. DeGraff, 12,680 net tons bituminous coal, Lorain to Duluth; steamer W. B. Kerr, owned by Weston Transit Co., W. M. Mills, Mgr., North Tonawanda, N. Y., 12,676 tons bituminous coal, Lorain to Duluth; steamer W. B. Kerr, 12,559 tons bituminous, Lorain to Duluth; steamer W. B. Kerr, 11,751 tons bituminous coal, Lorain to Duluth; steamer W. M. Mills, owned by Weston Transit Co., North Tonawanda, N. Y., 11,974 tons anthracite coal, Buffalo to Milwaukee; steamer W. M. Mills, owned by Weston Transit Co., North Tonawanda, N. Y., 11,765 tons anthracite coal, Buffalo to Sheboygan; steamer W. A. Rogers, owned by Niagara Transit Co., North Tonawanda, N. Y., 10,666 net tons anthracite coal, Buffalo to Milwaukee; steamer Augustus B. Wolvin, owned by Acme Steamship Co., A. B. Wolvin, Duluth, manager, 10,569 tons of anthracite, Buffalo to Milwaukee; steamer Augustus B. Wolvin, owned by Acme Steamship Co., A. B. Wolvin, Duluth, Mgr., 9,904 tons, 1,800 lbs. of bituminous, Lorain to Duluth; steamer Sahara, owned by Globe Steamship Co., G. A. Tomlinson, Duluth, manager, 8,906 tons, 200 lbs. bituminous, Lorain to Duluth.

Entire Grain Movement on the Great Lakes.

SHIPMENTS OF GRAIN AND FLOUR BY WATER IN 1912 (FLOUR INCLUDED AS GRAIN) AGGREGATED 485,150,683 BUSHELS—SUMMARY OF SHIPMENTS FROM WESTERN LAKE PORTS, RECEIPTS AT BUFFALO, ETC.

The movement of grain of all kinds eastward by lake during the past five years, including flour as grain (4½ bushels to the barrel), was as follows:

Year.	Grain of all kinds, including flour. Bushels.
1912	485,150,683
1911	274,029,130
1910	248,838,915
1909	284,670,486
1908	255,487,572
1907	297,150,861
1906	289,929,614

Summaries on this page are made up largely from the reports of commercial bodies, which are quite reliable as regards grain. The figures include all grain moved eastward, whether going by way of Buffalo, Erie, Georgian Bay ports, Welland and St. Lawrence canals or any other route. In the case of shipments from Lake Superior, it was thought advisable to use figures prepared by the government canal officials at Sault Ste. Marie, as they cover the entire movement from Lake Superior ports. The entire lake movement of grain in 1912 is shown in the following table:

MOVEMENT OF GRAIN AND FLOUR EASTWARD BY LAKE IN 1912.

	Bushels.
From Lake Superior ports, including flour as grain	382,045,191
From Chicago, including flour as grain	59,823,310
From Milwaukee, including flour as grain	22,206,997
From Gladstone, including flour as grain	4,120,000
From all other ports, including flour as grain	16,955,185
	485,150,683

*Includes Manitowoc, Cleveland, Detroit, Green Bay, and other ports that ship small amounts of grain by lake.

Of the receipts at Buffalo, which are printed herewith, about 65 per cent of the flour and grain moved by lake is transshipped at that port to the Erie canal and to the several railroads running to the seaboard. The Canadian route by way of the Welland canal and the St. Lawrence canals is of next importance as an outlet for flour and grain from the lakes. Lake vessels also transfer considerable grain for the east to railroads at Georgian Bay points and at Port Huron and Sarnia. A few other ports on Lake Erie, notably Sandusky, Fairport and Erie, afford elevator and warehouse facilities for the transfer of grain and flour to railways running to the seaboard, but the proportion of business secured by these ports is not large, as compared with Buffalo. The storage capacity of some twenty-eight or thirty elevators in Buffalo is 21,390,000 bushels. At times when the movement of grain is active the receipts at that port foot up 2,000,000 bushels daily.

GRAIN AND FLOUR SHIPMENTS BY LAKE EASTWARD FROM LAKE SUPERIOR PORTS.

	1912	1911	1910
Wheat, bushels	174,086,456	97,141,911	86,259,974
Grain other than wheat, bu.	69,024,446	40,782,609	39,245,485
Total, bushels	243,110,902	137,924,520	125,505,459
Flour, barrels	8,652,153	7,246,495	7,576,789
Total grain, including flour as wheat (4½ bu. to bbl.)	282,046,090	166,910,500	34,095,550

GRAIN AND FLOUR SHIPMENTS BY LAKE EASTWARD FROM CHICAGO.

	1912	1911	1910
Wheat, bushels	17,672,150	14,634,400	9,179,800
Corn, bushels	24,552,050	47,930,300	40,662,400
Oats, bushels	5,384,400	10,758,400	7,299,400
Total bushels	47,608,600	73,323,100	57,160,600
Flour, bu. (4½ bu. to bbl.)	12,215,215	13,167,670	12,572,215
Total grain	59,823,815	86,470,770	69,732,815

NOTE—Flax seed included in all reports excepting Chicago.

AGGREGATE RECEIPTS OF FLOUR AND GRAIN AT BUFFALO.

	1912	1911	1910
Flour, barrels	8,500,000	7,054,640	7,231,580
Wheat, bushels	108,244,000	67,495,526	50,450,911
Corn, bushels	12,750,400	30,384,745	22,992,368
Oats, bushels	10,580 400	9,501,000	12,366,891
Barley, bushels	12,178,000	9,349,412	11,207,763
Rye, bushels	1,250,000	690 692	336,471
Flaxseed, bushels	14,812,000	.....	4,716,771
Total grain, bushels	159,815,000	117,421,376	102,071,175
Flour to grain, bu.	38,250,000	35,273,200	36,157,900
Grand total, bushels	198,065,000	152,694,576	138,229,075

*4½ bushels to barrel.

OPENING AND CLOSING OF NAVIGATION ON THE GREAT LAKES.

Year.	St. Mary's Falls Canal. Opened.	Closed.	Duluth. Opened.	Closed.
1889	April 15	Dec. 4	April 11	Dec. 4
1890	April 20	Dec. 3	April 16	Dec. 8
1891	April 17	Dec. 8	April 30	Dec. 7
1892	April 18	Dec. 6	April 20	Dec. 6
1893	April 29	Dec. 6	May 1	Dec. 8
1894	April 17	Dec. 6	April 18	Dec. 5
1895	April 25	Dec. 11	April 27	Dec. 10
1896	April 18	Dec. 8	April 23	Dec. 12
1897	April 22	Dec. 12	April 20	Dec. 10
1898	April 11	Dec. 14	April 11	Dec. 12
1899	May 2	Dec. 18	May 1	Dec. 16
1900	April 19	Dec. 12	April 18	Dec. 13
1901	April 26	Dec. 11	April 28	Dec. 14
1902	April 2	Dec. 20	April 4	Dec. 18
1903	April 9	Dec. 15	April 11	Dec. 11
1904	May 5	Dec. 13	May 12	Dec. 14
1905	April 14	Dec. 16	April 8	Dec. 18
1906	April 13	Dec. 17	April 13	Dec. 21
1907	April 23	Dec. 11	April 25	Dec. 12
1908	April 27	Dec. 13	April 29	Dec. 10
1909	April 20	Dec. 16	April 17	Dec. 22
1910	April 12	Dec. 15	April 9	Dec. 9
1911	April 22	Dec. 16		
1912	April 24	Dec. 19		

Year.	Straits of Mackinaw. Opened.	Welland Canal. Opened.	Closed.
1889	Mar. 25	April 16	Dec. 1
1890	April 8	April 15	Dec. 10
1891	April 15	April 20	Dec. 16
1892	April 3	April 19	Dec. 12
1893	April 17	April 24	Dec. 11
1894	April 2	April 19	Dec. ..
1895	April 11	April 20	Dec. 12
1896	April 16	April 27	Dec. 15
1897	April 9	April 20	Dec. 11
1898	April 2	April 22	Dec. 13
1899	April 26	April 24	Dec. 16
1900	April 18	April 25	Dec. 15
1901	April 14	April 18	Dec. 16
1902	April 2	April 20	Dec. 15
1903	April 2	April 13	Dec. 15
1904	May 1	May 2	Dec. 18
1905	April 18	April 24	Dec. 16
1906	April 9	April 16	Dec. 18
1907	April 9	April 15	Dec. 16
1908	April 19	April 14	Dec. 19
1909	April 14	April 14	Dec. 20
1910	April 6	April 15	Dec. 15
1911	April 15		
1912	April 21		

At Buffalo and Erie Canal.

Year.	Lake Opened.	Canal Opened.	Canal Closed.	Number of days Canal open.
1888	April 28	May 10	Dec. 3	207
1889	April 10	May 1	Dec. 1	214
1890	Mar. 31	April 28	Dec. 1	216
1891	April 12	May 5	Dec. 5	214
1892	April 7	May 1	Dec. 5	219
1893	April 15	May 3	Nov. 30	212
1894	April 1	May 1	Nov. 30	214
1895	April 16	May 3	Dec. 5	217
1896	April 19	May 1	Dec. 1	215
1897	April 17	May 5	Nov. 30	210
1898	Mar. 25	May 21	Dec. 15	209
1899	April 27	April 26	Dec. 3	222
1900	April 21	April 25	Dec. 1	220
1901	April 20	May 7	Nov. 30	207
1902	April 9	April 24	Dec. 4	224
1903	May 10	May 10	Nov. 28	201
1904	May 10	May 5	Nov. 26	205
1905	April 21	May 4	Nov. 28	208
1906	April 15	May 2	Nov. 28	211
1907	Mar. 31	May 1	Dec. 12	224
1908	April 25	May 5	Nov. 30	210
1909	April 22	May 15	Nov. 15	185
1910	April 15	May 16	Nov. 15	184

POUNDS OF GRAIN PER BUSHEL—NUMBER OF BUSHELS PER TON—COMPARATIVE ORE AND GRAIN RATES.

RATE IN CENTS PER BUSHEL.	Corn, Flax and Rye, 56 pounds per bushel.	Wheat, 60 pounds per bushel.	Barley, 48 pounds per bushel.	Oats, 32 pounds per bushel.
	EQUIVALENT IN IRON ORE PER GROSS TON.			
1	$0.40	$0.37 1-3	$0.46 2-3	$0.70
1¼	.56	.46 2-3	.58 1-3	.87½
1½	.59	.56	.70	1.05
1¾	.70	.65 1-3	.81 2-3	1.22½
2	.80	.74 2-3	.93 1-3	1.40
2¼	.96	.84	1.05	1.57½
2½	1.00	.93 1-3	1.16 2-3	1.75
2¾	1.10	1.02 2-3	1.28 1-3	1.92½
3	1.20	1.12	1.40	2.10
3¼	1.30	1.21 1-3	1.51 2-3	2.27½
3½	1.40	1.30 2-3	1.63 1-3	2.45
3¾	1.50	1.40	1.75	2.62½
4	1.60	1.49 1-3	1.86 2-3	2.80
4¼	1.70	1.58 2-3	1.98 1-3	2.97½
4½	1.80	1.68	2.10	3.15
4¾	1.90	1.77 1-3	2.21 2-3	3.32½
5	2.00	1.86 2-3	2.33 1-3	3.50
5¼	2.10	1.96	2.45	3.67½
5½	2.20	2.05 1-3	2.56 2-3	3.85
5¾	2.30	2.14 2-3	2.68 1-3	4.02½
6	2.40	2.24	2.80	4.20
Number of bushels per gross ton.	40	37 1-3	46 2-3	70

Lake Coal Movement.

The shipment of bituminous coal to lake ports by producing districts for 1912 and during ten years preceding has been computed by the trade to be as follows:

Year	Pittsburgh District	Ohio District	West Virginia District	Total
1901	3,795,706	1,954,825	787,572	6,538,103
1902	4,704,093	2,689,974	965,769	8,359,636
1903	6,092,047	2,458,265	1,539,435	10,089,747
1904	6,058,383	2,138,247	1,279,876	9,476,506
1905	7,443,883	2,062,692	2,109,262	11,615,837
1906	9,287,272	2,560,906	2,743,732	14,591,910
1907	10,549,995	4,074,296	3,420,941	18,037,232
1908	8,700,000	3,600,000	3,450,000	15,750,000
1909	8,687,395	3,002,815	3,874,570	15,564,690
1910	11,911,900	4,297,300	6,629,500	22,838,700
1911	10,611,941	4,019,544	7,151,200	21,782,685
1912	11,300,000	4,676,000	7,360,000	23,335,000

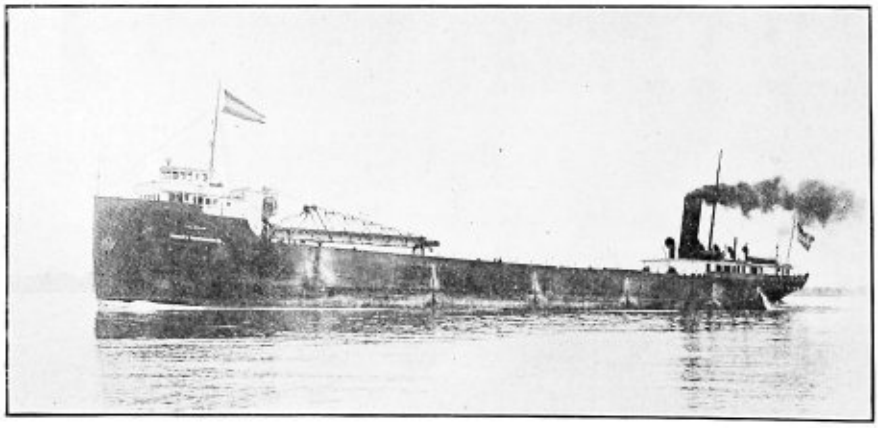
Chicago Drainage Canal.

The construction of the Chicago drainage canal was authorized May 29, 1899, by a law of the State of Illinois, and the Sanitary District of Chicago was organized for the work, its territory including all that part of Chicago lying north of Eighty-seventh street, with the exception of two small outlying suburbs, and forty-three miles of Cook county outside of the city limits. Its total area is 185 square miles. The district is 18 miles long from north to south, and 9½ miles wide on a line east and west through the city hall. Its extreme width is 15 miles. The nine trustees to whom control of the district was given were authorized to levy taxes to the extent of one-half of 1 per cent. per annum of the assessed valuation of property of the district; and for the five years from 1895 to 1899 they were allowed a tax rate of 1½ per cent. They were also empowered to issue bonds to the amount of 5 per cent. of the taxable property of the district, with the provision that the amount should not exceed $15,000,000, a limitation which in 1891 was raised to $20,000,000, to enable further improvement of the Chicago river. Of course the income from taxation is gradually reducing the bond issue, in addition to providing for maintenance of the canal.

Ground was broken for the work of canal excavation Sept. 3, 1892. After more than seven years of work the canal and enough of the co-ordinated works were finished to make it possible to begin to put it to use. On Jan. 2, 1900, the water of the Chicago river was turned into the channel, and fifteen days later the gates at the lower end were opened and the waters of Lake Michigan began to flow toward the Gulf of Mexico. The canal proper is 28 miles long, but in addition 6 miles of the Chicago river and 8 miles of the Desplaines river have been improved, so that the stretch of water over which control has been formally assumed in accordance with the law is 42 miles long. The sanitary and ship-canal proper begins at the west fork of the south branch of the Chicago river at Robey street, and extends 28.05 miles to Lockport. The depth of water in it varies with the flow, but the construction is such that under no conditions will the minimum be less than 22 ft. The present depth is between 24 and 25 ft. The width of channel at water line ranges from 162 to 290 ft. For various reasons widths of different sections were not made the same but the plans all contemplated increased widths later on in the narrow sections.

The flow of water which the canal is designed to accommodate is 600,000 cu. ft. per minute. In its present condition the canal will not, however, admit this volume in all parts without producing a current harmful to navigation in the Chicago river. The narrow section of the canal between Robey street and Summit will carry only 300,000 cu. ft. at a current of 1¼ miles per hour. The Chicago river will, as yet, handle little over 300,000 cu. ft., but a flow of 480,000 cu. ft. will be possible when the work now under way is finished. The actual flow of water at present permitted in the Chicago river is 250,000 cu. ft.

The total cost of the sanitary canal and the co-ordinate works has been $38,267,450.66. Of this amount almost $26,000,000 was spent for construction work, the remainder going for right of way, administration, interest on bonds and general expenses.



STEAMER ALPENA

DEPTH OF WATER IN CANADIAN LOCK

MONTHLY AVERAGE DEPTHS OF WATER IN THE CANADIAN LOCK DURING SEASON OF NAVIGATION FROM 1896 TO 1910 INCLUSIVE.

Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	Ft.	Ft.	Ft.	Ft.	Ft.	Ft.	Ft.	Ft.	Ft.
1896	20.20	20.02	20.47	20.55	20.83	20.56	20.24	20.29	20.11
1897	19.77	20.17	20.17	20.82	21.04	20.85	20.54	20.30	19.97
1898	19.62	19.79	20.20	20.56	20.57	20.54	20.29	20.25	20.14
1899	20.29	20.22	20.74	21.07	21.17	21.27	20.95	20.68	20.62
1900	20.06	19.92	20.08	20.46	20.74	21.20	20.21	21.10	20.88
1901	20.24	20.29	20.54	20.99	20.98	20.56	20.41	20.12	19.81
1902	19.06	19.44	19.61	20.05	20.17	20.12	20.16	19.72	19.41
1903	20.10	19.60	19.81	20.07	20.43	20.34	20.26	20.00	20.68
1904	20.39	20.21	20.67	20.90	20.96	20.98	21.03	20.69	20.57
1905	20.20	20.40	20.57	20.97	21.00	21.02	20.99	20.70	20.40
1906	20.42	20.47	20.69	20.85	20.83	20.75	20.46	20.33	20.45
1907	20.27	20.25	20.46	20.67	20.93	21.05	20.64	20.17	19.73
1908	19.87	20.15	20.24	20.60	20.56	20.14	19.77	19.37	19.08
1909	18.85	18.97	19.53	19.78	19.97	19.77	19.57	19.20	19.23
1910	18.71	18.85	19.15	19.28	19.35	19.29	19.13	18.65	18.61

DEPTH OF WATER IN POE LOCK.

MONTHLY AVERAGES FROM DAILY READINGS.

Year	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	Ft.	Ft.	Ft.	Ft.	Ft.	Ft.	Ft	Ft.	Ft.
1896	. .	. .	. .	. .	20.48	20.34	19 88	19.78	19 69
1897	19 36	19 82	20 22	20 63	20.80	20 60	20.31	19 99	19 77
1898	19 33	19 61	19 99	20 35	2 1.39	20 30	20.10	19.96	19 89
1899	20.01	19 94	20 47	20 84	20.98	21.01	20.70	20.44	20 37
1900	19 82	19 70	19 80	20.18	20.52	20 94	21.02	20.86	20.59
1901	20.11	19 96	20 20	20 39	20.60	20.17	20 08	19.72	19.42
1902	18 76	19.09	19 31	19 74	19 86	19 80	19 47	19 41	19.16
1903	18 95	19.33	19 55	19.84	19.97	20 08	20.01	19 71	20.31
1904	20 08	19 93	20 46	20 62	20 70	20.77	20.77	20 43	20.29
1905	19.89	20 04	20.29	20.70	20 75	20 78	20.72	20.43	20.14
1906	20.17	20.25	20.53	20.68	20.68	20.54	20.32	20.12	20.17
1907	19.90	19 85	20 25	20 49	20 70	20 84	20.43	19.97	19.55
1908	19 30	19.33	19 78	20.10	20.10	19.91	19 49	19.09	18.78
1909	18.29	18.63	18.96	19.19	19.39	19.18	19.00	18.56	18.70
1910	18.11	18.20	18.53	18.67	18.75	18.69	18.54	18.08	17.82
1911	17.54	17.66	17.98	18.04	18.11	17.91	17.92	17.82	17.74
1912	17.65	17.97	18.42	18.59	18.79	19.04	18.88	18.69	18.81

DEPTHS IN THE CHANNEL AT LIME KILN CROSSING, DETROIT RIVER DUE TO FLUCTUATIONS IN THE WATER SURFACE FOR THE PERIOD 1899 TO 1909 INCLUSIVE.

	Mean depth, in feet at Lime Kiln crossing													
Month	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912
April	18.4	18.4	17.6	17.8	19 5	19.5	18 2	18.6	20.1	19.6	19.6	19.5	19.2	20.5
May	18.7	18.8	17 8	18.3	19.6	19.2	19.0	18.9	19 3	19 9	20.3	20.0	19.5	21
June	18 9	18.9	18.2	18.6	19 4	19.9	19.4	19.1	19.8	19 9	20.7	20.1	19.10	21 1
July	18.9	18 6	18.4	19 2	19 4	19.9	19 5	19.2	19 8	19.8	20.4	20.0	19.10	21
August	18.7	18.7	18.3	19.2	19.2	19.6	19 4	19 2	19.6	19.7	20.3	19.7	19.9	21
September	18.3	18.4	18.2	18.8	19.0	19.3	19.1	18 9	19.3	19.2	19.8	19.5	19.7	21
October	18 1	18.2	17.8	18.7	18.6	18.9	18.6	18 6	19 0	18.8	19.1	19.2	19.6	20.5
November	18.0	17.7	17.5	18.4	18.1	18.4	18.2	18.5	18.7	18.0	20.0	18.7	19.1	20.1
December	17.5	17.8	17.8	18.2	17.9	18 3	18.3	18.7	18 6	17.7	19.9	19.7	19.2	19 8

NOTE—During 1897 and 1898 the place of limiting depth was at Ballard Reef, Detroit river, where the depth was about 1.5 feet less than that at Lime Kiln crossing. During 1899 - 1901 the place of limiting depth was at Amherstburg Reach, where the depth was about 0.5 feet less than that at Lime Kiln crossing; during 1902-1906 at Lime Kiln crossing, and during 1907 and up to October, 1909, at Bar Point Shoals, this being the place of limiting depth for up-bound vessels, or 1.0 foot less than that for down-bound vessels at Ballard's Reef; and during November and December, 1909, at Ballard's Reef.

Vessels of the United States Navy.

Class	Name	Length	Beam	Draught	Displacement	Speed	I. H. P.
Battleship First-line	Arkansas	554	93	28½	26,000	21.05	28,000
Battleship First-line	Delaware	510	85	27	20,000	21.56	29,043
Battleship First-line	Florida	510	88	28½	21,825	20.75	28,000
Battleship First-line	Idaho	375	77	24¾	13,000	17.12	14,010
Battleship First-line	Kansas	450	77	24½	16,000	18.09	19,545
Battleship First-line	Michigan	450	80	24½	16,000	18.79	16,310
Battleship First-line	Minnesota	450	77	24½	16,000	18.85	20,235
Battleship First-line	Mississippi	375	77	24¾	13,000	17.11	13,607
Battleship First-line	*Nevada	575	95	28½	27,500	20.05	.....
Battleship First-line	New Hampshire	450	77	24½	16,000	18.16	17,100
Battleship First-line	*New York	565	95	28½	27,000	21.	32,000
Battleship First-line	North Dakota	510	85	27	20,000	21.01	32,307
Battleship First-line	*Oklahoma	575	95	28½	27,500	20.5	.....
Battleship First-line	*Pennsylvania	600	97	28½	31,400	21.09	.....
Battleship First-line	South Carolina	450	80	24½	16,000	18.86	18,357
Battleship First-line	*Texas	565	95	28½	27,000	21.	32,000
Battleship First-line	Utah	510	88	28½	21,825	21.04	28,000
Battleship First-line	Vermont	450	77	24½	16,000	18.33	17,982
Battleship First-line	Wyoming	554	93	28½	26,000	21.22	28,000
Battleship Second-line	Alabama	368	72	23½	11,552	17.01	11,207
Battleship Second-line	Connecticut	450	77	24½	16,000	18.78	19,819
Battleship Second-line	Georgia	435	76	23¾	14,948	19.26	25,088
Battleship Second-line	Illinois	368	72	23½	11,552	17.45	12,757
Battleship Second-line	Indiana	348	69	24	10,288	15.55	9,607
Battleship Second-line	Iowa	360	72	24	11,346	17.09	11,933
Battleship Second-line	Kearsarge	368	72	23½	11,520	16.82	11,788
Battleship Second-line	Kentucky	368	72	23½	11,520	16.90	12,179
Battleship Second-line	Louisiana	450	77	24½	16,000	18.82	20,748
Battleship Second-line	Maine	388	72	23¾	12,500	18.00	15,603
Battleship Second-line	Massachusetts	348	69	24	10,288	16.21	10,240
Battleship Second-line	Missouri	388	72	24	12,500	18.15	15,845
Battleship Second-line	Nebraska	435	76	23¾	14,948	19.06	21,283
Battleship Second-line	New Jersey	435	76	23¾	14,948	19.18	23,089
Battleship Second-line	Ohio	388	72	23½	12,500	17.82	16,220
Battleship Second-line	Oregon	348	69	24	10,288	16.79	11,037
Battleship Second-line	Rhode Island	435	76	23¾	14,948	19.01	20,310
Battleship Second-line	Virginia	435	76	23¾	14,948	19.01	22,841
Battleship Second-line	Wisconsin	368	72	23½	11,552	17.17	12,452
Armored cruiser	California	502	70	24	13,680	22.20	29,381
Armored cruiser	Colorado	502	70	24	13,680	22.24	26,837
Armored cruiser	Maryland	502	70	24	13,680	22.41	28,059
Armored cruiser	Montana	502	73	25	14,500	22.26	27,938
Armored cruiser	North Carolina	502	73	25	14,500	22.48	29,785
Armored cruiser	Pittsburgh	502	70	24	13,680	22.44	28,600
Armored cruiser	South Dakota	502	70	24	13,680	22.24	28,543
Armored cruiser	Tennessee	502	73	25	14,500	22.16	26,963
Armored cruiser	Washington	502	73	25	14,500	22.27	27,152
Armored cruiser	West Virginia	502	70	24	13,680	22.15	26,135
Cruiser first-class	Brooklyn	400	65	24	9,215	21.91	18,425
Cruiser first-class	Charleston	424	66	22½	9,700	22.04	27,200
Cruiser first-class	Milwaukee	424	66	22½	9,700	22.22	24,166
Cruiser first-class	Saratoga	380	65	23	8,150	21.09	17,075
Cruiser first-class	St. Louis	424	66	22½	9,700	22.13	27,264
Cruiser second-class	Baltimore	327	49	19½	4,413	20.1	8,777
Cruiser second-class	Chicago	325	48	19	4,500	18	9,000
Cruiser second-class	Columbia	412	58	22½	7,350	22.8	18,269
Cruiser second-class	Minneapolis	412	58	22½	7,350	23.07	20,544
Cruiser second-class	Newark	311	49	18¾	4,083	19	8,727
Cruiser second-class	Olympia	340	53	21½	5,865	21.69	17,080
Cruiser third-class	Albany	346	44	16¼	3,340	20.52	7,409
Cruiser third-class	Birmingham	420	47	16¾	3,750	24.33	15,670
Cruiser third-class	Boston	277	42	16¾	3,000	15.6	4,300
Cruiser third-class	Chattanooga	292	44	15¾	3,200	16.65	5,393
Cruiser third-class	Chester	420	47	16¾	3,750	26.52	16,000
Cruiser third-class	Cincinnati	300	42	18	3,183	19.91	8,290
Cruiser third-class	Cleveland	292	44	15¾	3,200	16.45	4,640
Cruiser third-class	Denver	292	44	15¾	3,200	16.75	6,135
Cruiser third-class	Des Moines	292	44	15¾	3,200	16.65	5,340
Cruiser third-class	Galveston	292	44	15¾	3,200	16.41	5,073
Cruiser third-class	Marblehead	257	37	14½	2,072	18.44	4,937
Cruiser third-class	New Orleans	346	44	16¾	3,430	20	7,500
Cruiser third-class	Raleigh	300	42	18	3,183	21.12	8,500
Cruiser third-class	Salem	420	47	16¾	3,750	25.95	17,409
Cruiser third-class	Tacoma	292	44	15¾	3,200	16.58	5,288
Monitor	Amphitrite	259	55	14½	3,990	10.5	1,600
Monitor	Ozark	252	50	12½	3,225	12.03	1,739
Monitor	Tallahassee	252	50	12½	3,225	12.40	2,336
Monitor	Miantonomoh	260	55	14½	3,990	10.50	1,426
Monitor	Monadnock	259	55	14½	3,990	12	3,000
Monitor	Monterey	256	59	14¾	4,084	13.6	5,104
Monitor	Tonopah	252	50	12½	3,225	13.04	1,970
Monitor	Cheyenne	252	50	12½	3,225	11.80	2,359
Monitor	Puritan	290	60	18	6,060	12.4	3,700
Monitor	Terror	259	55	14½	3,990	10.5	1,600
Destroyer	Ammen	289	26	8½	742	30.48	12,000
Destroyer	Bainbridge	245	23	6½	420	28.45	8,000
Destroyer	Barry	245	23	6½	420	28.13	8,000
Destroyer	Chauncey	345	23	6½	420	28.64	8,000
Destroyer	Dale	245	23	6½	420	28	8,000
Destroyer	Decatur	245	23	6½	420	28.10	8,000
Destroyer	Hopkins	239	23	6	408	29.02	8,456
Destroyer	Hull	239	23	6	408	28.04	9,119
Destroyer	Lawrence	241	22	6½	400	28.41	8,400
Destroyer	Macdonough	241	22	6	400	28.03	8,400
Destroyer	Paul Jones	245	23	6½	420	28.91	8,000
Destroyer	Perry	245	23	6½	420	28.32	7,950
Destroyer	Preble	245	23	6½	420	28.03	7,370
Destroyer	Stewart	245	23	6½	420	29.69	8,000
Destroyer	Truxton	248	22¼	6	433	29.58	8,300
Destroyer	Whipple	248	22¼	6	433	28.24	8,300
Destroyer	Worden	248	22¼	6	433	29.86	8,302
Destroyer	Burrows	289	26	8⅛	742	30.67	12,000
Destroyer	Drayton	289	26	8⅓	742	30.83	15,524
Destroyer	Flusser	289	26	8	700	35.41	11,842
Destroyer	Lamson	289	26	8	700	28.61	10,769
Destroyer	McCall	289	26	8⅓	742	30.66	12,000
Destroyer	Mayrant	289	26	8⅓	742	30.22	12,000
Destroyer	Paulding	289	26	8⅓	742	32.80	17,393
Destroyer	Perkins	289	26	8⅓	742	29.76	11,668
Destroyer	Preston	289	26	8	700	29.18	11,356
Destroyer	Reid	289	26	8	700	31.82	12,734
Destroyer	Roe	289	26	8⅓	742	29.60	11,999
Destroyer	Smith	289	26	8	700	28.35	10,362
Destroyer	Sterett	289	26	8⅓	742	30.37	12,789
Destroyer	Terry	289	26	8⅓	742	30.24	13,350
Destroyer	Warrington	289	26	8⅓	742	30.12	12,000
Destroyer	Beate	289	26	8⅓	742	29.65	12,000
Destroyer	Jouett	289	26	8⅓	742	32.27	12,000
Destroyer	Jenkins	289	26	8⅓	742	31.27	12,000
Destroyer	Monogham	289	26	8⅓	742	30.45	12,000
Destroyer	Patterson	289	26	8⅓	742	29.69	12,000
Destroyer	Trippe	289	26	8⅓	742	30.89	12,000
Destroyer	Walke	289	26	8⅓	742	29.78	12,000
Destroyer	Fanning	289	26	8⅓	742	29.99	12,000
Destroyer	Jarvis	289	26	8⅓	742	29.5	12,000
Destroyer	Henley	289	26	8⅓	742	29.5	12,000
Destroyer	*Cassin	300	30½	9⅛	1,020	29.5	.....
Destroyer	*Cummings	300	30½	9⅛	1,020	29.5	.....
Destroyer	*Downes	300	30½	9⅛	10,72	29.5	.....
Destroyer	*Duncan	300	30½	9⅓	1,014	29.5	.....
Destroyer	*Aylwin	300	30½	9½	1,036	29.5	.....
Destroyer	*Parker	300	30½	9½	1,036	29.5	.....
Destroyer	*Benham	300	30½	9½	1,036	29.5	.....
Destroyer	*Balch	300	30½	9½	1,036	29.5	.....
Destroyer	*Ericsson	300	30½	9½	1,090	29	.....
Destroyer	*Cushing	300	30½	9½	1,050	29	.....
Destroyer	*McDougal	300	30½	9½	1,025	29	.....
Destroyer	*Nicholson	300	30½	9½	1,052	29	.....
Destroyer	*O'Brien	300	30½	9½	1,052	29	.....
Destroyer	*Winslow	300	30½	9½	1,052	29	.....
Torpedo boat	Bagley	157	17½	5	175	29.15	4,200
Torpedo Boat	Bailey	205	19¼	6¾	280	30.20	5,600
Torpedo boat	Barney	157	17½	5	175	29.04	4,200
Torpedo boat	Biddle	157	17½	5	175	28.57	4,200
Torpedo boat	Blakely	175	17¾	6	196	25.58	3,000
Torpedo boat	Craven	147	16¼	4½	146	30	4,200
Torpedo boat	Dahlgren	147	16½	4½	146	30	4,200
Torpedo boat	Davis	146	15¾	5⅜	154	23.41	1,750
Torpedo boat	DeLong	175	17¾	6	196	25.52	3,000
Torpedo boat	Du Pont	175	17½	4⅝	165	28.58	.....
Torpedo boat	Farragut	213	20¾	6	279	30.13	5,787
Torpedo boat	Fox	146	15¼	5⅜	154	23.13	1,750
Torpedo boat	Foote	160	16	5	142	24.53	2,000
Torpedo boat	Goldsborough	198	20½	6¾	255	27.4	6,000
Torpedo boat	Gwin	99	12½	3¼	46	20.88	850
Torpedo boat	Mackenzie	99	12¾	4¼	65	20.11	85
Torpedo boat	Manly	61	9½	.....	30	.....	.....
Torpedo boat	Morris	138	15½	4	105	24	1,750
Torpedo boat	Porter	175	17¾	4¾	165	28.63	.....
Torpedo boat	Rodgers	160	16	5	142	24.49	2,295
Torpedo boat	Rowan	170	17	6	210	27.07	3,200
Torpedo boat	Shubrick	175	17½	5¼	200	26.07	3,375
Torpedo boat	Somers	149	17½	5¾	150	17.5	1,900
Torpedo boat	Stockton	175	17½	5¼	200	25.79	3,275
Torpedo boat	Stringham	225	22	6½	340	25.33	7,200
Torpedo boat	Thornton	175	17½	5¼	200	24.88	3,000
Torpedo boat	Tingey	175	17½	4¾	165	24.94	3,000
Torpedo boat	Wilkes	175	17½	4¾	165	25.99	3,495

* Under construction.

a Not yet building.

c Purchased during war with Spain.

Vessels of the United States Navy.—Continued.

Class	Name	Length	Beam	Draught	Displacement	Speed	I. H. P.
Submarine	A-2						
Submarine	A-3						
Submarine	A-4						
Submarine	C-1						
Submarine	B-1						
Submarine	B-2						
Submarine	B-3						
Submarine	A-5						
Submarine	A-1						
Submarine	A-6						
Submarine	A-7						
Submarine	F-2						
Submarine	C-4						
Submarine	F-1						
Submarine	D-2						
Submarine	D-1						
Submarine	F-3						
Submarine	D-3						
Submarine	*F-4						
Submarine	E-1						
Submarine	C-5						
Submarine	C-2						
Submarine	E-2						
Submarine	C-3						
Submarine	G-4						
Submarine	*G-2						
Submarine	G-1						
Submarine	*H-1						
Submarine	*H-2						
Submarine	*H-3						
Submarine	*G-3						
Submarine	*K-1						
Submarine	*K-2						
Submarine	*K-3						
Submarine	*K-4						
Submarine	*K-5						
Submarine	*K-6						
Submarine	*K-7						
Submarine	*K-8						
Submarine	aL-1						
Submarine	aL-2						
Submarine	aL-3						
Submarine	aL-4						
Submarine	aL-5						
Submarine	aL-6						
Submarine	aL-7						
Submarine	aM-1						
Fender to torpedo vessel	Alert	177	32	13	1,110	10	500
Fender to torpedo vessel	Castine	204	32	12	1,177	16.03	2,180
Fender to torpedo vessel	cDixie	391	48	20	6,114	14.5	3,800
Fender to torpedo vessel	cIris	310	39	24	6,100	10.0	1,320
Fender to torpedo vessel	Mohican	216	37	16½	1,900	10.65	1,000
Fender to torpedo vessel	*Niagara	216	35	13	1,408	12.25	.....
Fender to torpedo vessel	cPompey	234	33½	15¾	3,085	10.5	.....
Fender to torpedo vessel	Severn	175	37	16½	1,175	.....	none
Fender to torpedo vessel	aSubmarine Fender No. 2				3,600	.....	.....
Fender to torpedo vessel	aDestroyer Fender No. 2				3,600	.....	.....
Gunboat	Annapolis	168	36	12	1,010	13.17	1,223
Former Spanish gunboat	Callao	115	18	6½	243	10	250
Gunboat	Concord	230	36	14	1,710	16.80	3,359
Gunboat	Dolphin	240	32	14¼	1,486	15.50	2,253
Gunboat	D'Juan d'Austria	210	32	12½	1,130	12.20	941
Gunboat	Dubuque	174	35	12¼	1,085	12.90	1,193
Former Spanish gunboat	El Cano	158	26	10	620	11	600
Gunboat	Helena	251	39¾	9	1,392	15.50	1,959
Gunboat	Isla D'Luzon	193	30	11½	1,030	11.23	516
Gunboat	Machias	204	32	12	1,177	15.46	1,848
Gunboat	Marietta	174	34	12	990	13.02	1,036
Gunboat	*Monocacy	160	24½	2½	190	13.25	.....
Gunboat	Nashville	220	38	11	1,371	16.30	2,524
Gunboat	Newport	168	36	12	1,010	12.29	998
Gunboat	Paducah	174	35	12¼	1,085	12.85	1,247
Gunboat	*Palos	160	24½	2½	190	13.25	.....
Former Spanish gunboat	Pampanga	115	18	6½	243	10	250
Former Spanish gunboat	Panay	95	17	7	170	8	125
Gunboat	Petrel	181	31	11½	890	11.40	1,008
Gunboat	Princeton	168	36	12	1,010	10.64	835
Former Spanish gunboat	Quiros	138	22¾	7¾	350	11	450
Gunboat	Ranger	177	32	13	1,261	10	500
Gunboat	*Sacramento	210	41	11½	1,425	12	.....
Former Spanish gunboat	Samar	115	18	6½	243	10	250
Former Spanish gunboat	Sandoval	110	15½	5¼	100	.....	.....
Gunboat	Vicksburg	168	36	12	1,101	12.71	1,11
Former Spanish gunboat	Villabobos	148	23	7½	370	11	450
Gunboat	Wheeling	174	34	12	990	12.88	1,063
Gunboat	Wilmington	251	39¾	9	1,392	15.08	1,868
Gunboat	Yorktown	230	36	14	1,710	16.14	3,341
Transport	cBuffalo	408	48¼	19½	6,000	14.5	3,600
Transport	cGeneral Alava	212	29¾	11	1,115	10.5	770
Transport	Hancock	450	45	24½	8,500	.....	4,000
Transport	cPrairie	391	48¼	20¾	6,620	14.5	3,800
Transport	cRainbow	326	41	17	4,360	12	1,.80
Supply ship	cCeltic	370	44½	21	6,750	10.5	1,690
Supply ship	cCulgoa	334	43	21¾	6,000	13.25	2,350
Supply ship	cGlacier	363	46	25½	8,325	12.3	2,127
Supply ship	cSupply	343	43¼	19½	4,325	9.66	1,069
Hospital ship	cRelief	299	46	15¾	3,300	15	2,666
Hospital ship	cSolace	361	44	22	5,700	15	3,200
Fuel ship	cAbarenda	314	42	28½	6,705	9	1,050
Fuel ship	cAjax	375	46½	30	9,250	10	3,000
Fuel ship	cAlexander	330	43	29	6,181	8.75	1,026
Fuel ship	cArethusa	332	42	21	6,159	10	1,700
Fuel ship	cBrutus	321	41½	23	6,600	10	1,200
Fuel ship	cCaesar	310	44	19½	5,920	10	1,500
Fuel ship	Cyclops	520	65	27¾	19,360	14.61	6,705
Fuel ship	cHannibal	263	39¼	17½	4,000	9	1,100
Fuel ship	Hector	385	53	24¾	11,230	12.87	3,921
Fuel ship	*Jason	514	65	27¾	19,132	14	.....
Fuel ship	*Jupiter	520	65	27¾	19,360	14	7,200
Fuel ship	cJustin	277	39	19¾	.....	9.98	978
Fuel ship	cLeonidas	263	39¼	17½	4,023	8.5	1,100
Fuel ship	Mars	385	53	24¾	11,230	12.65	3,818
Fuel ship	cNanshan	287	39	21¼	4,950	10.5	1,400
Fuel ship	Neptune	520	65	27½	19,375	12.93	5,409
Fuel ship	*Nereus	500	62	27¾	19,000	14	.....
Fuel ship	cNero	312	41	22	6,360	9	1,000
Fuel ship	Orion	514	65	27¾	19,132	14	.....
Fuel ship	Prometheus	450	60	26	12,585	16	7,500
Fuel ship	*Proteus	500	62	27¾	19,000	14	.....
Fuel ship	cSaturn	283	40½	21¼	4,842	11	1,500
Fuel ship	cSterling	275	37	22½	5,663	11	1,000
Fuel ship	Vulcan	385	53	24¾	11,230	12.82	3,736
Fuel ship	aKanawha	455	56	26¼	14,500	14	.....
Fuel ship	aMaumee	455	56	26¼	14,500	14	.....
Converted yacht	cAileen	120	20	8	192	14	500
Converted yacht	cDorothea	182	23	11½	594	14	1,558
Converted yacht	cEagle	155	24½	11½	434	12.5	850
Converted yacht	cElfrida	101	18	7¾	164	10.5	200
Converted yacht	cGloucester	204	27	12	786	17	2,000
Converted yacht	cHawk	145	22	11½	375	14.5	1,000
Converted yacht	cHuntress	97	16	7¾	82	14	260
Converted yacht	cMayflower	273	36	17¼	2,690	16.8	4,600
Converted yacht	cOneida	111	18½	7½	150	12	350
Converted yacht	cRestless	113	16	6½	158	13	500
Converted yacht	cScorpion	213	28	11	775	17.85	2,800
Converted yacht	cStranger	165	23½	9¼	369	14	9,200
Converted yacht	cSylph	124	20	7½	152	15	550
Converted yacht	cSylvia	130	18½	10	302	9	165
Converted yacht	cVixen	182	28	12¾	806	16	1,250
Converted yacht	cWasp	180	23	12	630	16.5	1,800
Converted yacht	cYankton	185	27½	13¾	975	14	750
Tug	cAccomac	81	19	8½	187	10	250
Tug	cActive	107	22½	10	296	12	600
Tug	cAlice	103	25½	7½	318	10	250
Tug	cApache	141	29	10	650	10	550
Tug	cChickasaw	77	18	8	100	10	160
Tug	cChoctaw	101	21	9½	274	10	188
Tug	Fortune	137	26	9½	450	10	340
Tug	cHercules	101	20½	9	198	12	350
Tug	cIroquois	152	26	13½	702	13.25	1,000
Tug	Iwana	92	21	8	192	11.58	500
Tug	cMassasoit	89	19	18½	202	9	150
Tug	cModoc	97	21	9½	241	10	175
Tug	cMohawk	104	24	10¾	368	12	400
Tug	Narkeeta	92	21	8	192	11.22	300
Tug	Navajo	141	27½	14	800	12	935
Tug	Ontario	175	24	12½	1,120	14	1,800
Tug	cOsceola	125	26¼	14	571	14	1,000
Tug	Patabsco	148	29	12¼	755	13	1,160
Tug	Patuxent	148	29	12¼	755	13	1,160
Tug	aPawnee	112	27¼	7	275	10	250
Tug	Pawtucket	92	21	8¾	225	12.2	450
Tug	Penacook	92	21	9	230	12	450
Tug	Pentucket	92	21	9	230	12	450
Tug	Peoria	131	25	10½	487	.....	.....
Tug	aPiscataqua	149	28½	12	854	16	2,000
Tug	aPontiac	124	27	9½	401	10.5	425
Tug	aPotomac	139	28½	12	785	16	2,000
Tug	aPowhatan	101	21	10	194	13	397
Tug	Rapido	96	16	7½	186	10	.....
Tug	Rocket	93	28	9	270	8	450
Tug	Samoset	92	21	8¾	225	12	450

* Under construction. a Not yet building. c Purchased during war with Spain.

Vessels of the United States Navy.—Continued.

Class	Name	Length	Beam	Draught	Displacement	Speed	I. H. P.
Tug	aSebago	99	21	8	243	12	506
Tug	aSioux	84	19	8	155	10	290
Tug	Sonoma	175	34	12½	1,120	14	1,800
Tug	Sotovomo	92	21	9	230	11.10	506
Tug	Standish	137	26	9½	450	10	340
Tug	aTecumseh	101	21¾	8	221	11	200
Tug	Traffic	106	29	9	280	10	.....
Tug	Transfer	110	30	10	700	.....	.....
Tug	Triton	97	20¾	9	212	13	300
Tug	Unadilla	110	25	10	355	12	500
Tug	aUncas	119	25	12	441	12	750
Tug	aVigilant	116	21	9	300	12	450
Tug	aWaban	85	17½	8	150	13	450
Tug	Wahneta	92	21	8	192	11.58	300
Tug	Wompatuck	117	25½	12	462	13	650
Special Type	Lebanon	249	37½	17¾	3,285	10	2,200
Special Type	Montgomery	257	37	14½	2,072	19.06	5,543
Special Type	aPanther	305	40¾	15¾	3,370	13.5	3,200
Special Type	SanFrancisco	310	49	18¾	4,083	19.52	9,761
Special Type	Vestal	450	60	26	12,585	16	7,500
Special Type	Vesuvius	252	16½	10½	930	21.65	215
Unserv'ble for war purp's	Adams	187	35	14¾	1,400	9.8	800
Unserv'ble for war purp's	Boxer	108	30	9¼	346	.....	None
Unserv'ble for war purp's	Constellation	176	42	20	1,970	.....	.....
Unserv'ble for war purp's	Constitution	175	45	20	2,200	.....	.....
Unserv'ble for war purp's	Cumberland	176	45¾	16½	1,800	.....	None
Unserv'ble for war purp's	Essex	185	35	14½	1,375	10.4	800
Unserv'ble for war purp's	Franklin	266	54	24¼	5,170	9	1,050
Unserv'ble for war purp's	Gopher	160	28	11¾	840	9	300
Unserv'ble for war purp's	Granite State	196	53	25½	4,150	.....	.....
Unserv'ble for war purp's	Hartford	226	44	18¼	2,790	12	2,000
Unserv'ble for war purp's	Independence	189	51	21½	3,270	.....	.....
Unserv'ble for war purp's	Intrepid	176	45¾	16½	1,800	.....	None
Unserv'ble for war purp's	Lancaster	236	46	19¼	3,250	9.6	1,000
Unserv'ble for war purp's	Manila	209	31	13	1,750	10	750
Unserv'ble for war purp's	Nipsic	185	35	12	1,100	.....	.....
Unserv'ble for war purp's	Omaha	250	38	16½	2,400	11.3	953
Unserv'ble for war purp's	Philadelphia	327	49	19½	4,410	19.68	8,688
Unserv'ble for war purp's	Portsmouth	153	38	16½	1,125	.....	.....
Unserv'ble for war purp's	Reina Mercedes	292	43	16¾	2,833	17	3,700
Unserv'ble for war purp's	Richmond	225	42½	17¾	2,700	9.5	692
Unserv'ble for war purp's	Southery	288	39	.....	3,100	9	.....
Unserv'ble for war purp's	Topeka	251	35	17¾	2,255	16	2,000
Unserv'ble for war purp's	Wolverine	165	27	9	685	10.5	363
Unserv'ble for war purp's	Yantic	180	30	12	900	8.30	310

* Under construction. a Not yet building. c Purchased during war with Spain.

The following vessels were purchased during the war with Spain and form part of auxiliary navy:

MERCHANT VESSELS CONVERTED INTO AUXILIARY NAVY

	Tons.		Tons.		Tons.		Tons.
Buffalo	6,000	Panther	3,380	Prairie	6,620	Yankee	6,225
Dixie	6,114	Yosemite	.....				

CONVERTED YACHTS

	Tons.		Tons.		Tons.		Tons.
Aileen	192	Hawk	375	Oneida	150	Sylph	152
Dorothea	594	Hist	472	Restless	158	Sylvia	302
Eagle	434	Huntress	82	Scorpion	775	Vixen	806
Elfrida	164	Mayflower	2690	Stranger	369	Wasp	630
Gloucester	786					Yankton	975

CONVERTED TUGS

	Tons.		Tons.		Tons.		Tons.
Accomac	187	Iroquois	702	Piscataqua	854	Uncas	441
Active	296	Massasoit	202	Pontiac	401	Vigilant	300
Alice	356	Modoc	241	Potomac	785	Waban	150
Apache	650	Mohawk	420	Powhatan	194	Wompatuck	462
Chickasaw	100	Osceola	571	Sebago	243		
Choctaw	350	Pawnee	275	Sioux	155		
Hercules	198			Tecumseh	214		

COLLIERS

	Tons.		Tons.		Tons.		Tons.
Abarenda	6,705	Caesar	5,920	Leonidas	4,023	Pompey	3,085
Ajax	9,250	Hannibal	4,000	Nanshan	4,950	Saturn	6,220
Alexander	6,181	Justin	.....	Nero	6,360	Sterling	5,663
Brutus	6,600	Lebanon	3,285				

SPECIAL CLASS

	Tons.		Tons.		Tons.		Tons.
Arethusa	6,159	Glacier	8,325	Rainbow	4360	Supply	4,325
Celtic	8,000	General Alava	1115	Southery (Prison Ship)	.....	Relief	8,300
Culgoa	6,000	Iris	6100	Solace	5700		

VESSELS OF THE PUBLIC HEALTH AND MARINE HOSPITAL SERVICE

Barges and Hulks.

		Gross tonnage.	Length-breadth, feet.	Year built.
Bge	Argus	447	140x30	1883
Bge	Chipman	1064	185x38	1884
Hulk	Iroquois	1575	198x33	1858
Hulk	Jamestown	1150	163x36	1845
Hulk	Omaha	2400	250x38	1869
Ga S	Albatross	....	58x11	1909
Ga S	Annie	....	...x..	....
Ga S	Beta	....	21x 5	....
Ga S	Cascade	....	38x 8	1895
Ga S	Catherine	....	...x..	....
Ga S	Curlew	....	35x..	....
Ga S	Delta	....	23x 5	....
Ga S	Gamma	....	23x 6	1900
Ga S	Gannet	....	35x..	....
Ga S	Genevieve	....	35x 9	1901
Ga S	Hermes	....	43x14	1905
Ga S	Mecca	....	32x..	....
Ga S	Mercury	....	35x..	....
Ga S	Nightingale	....	35x 7	1893
Ga S	Osprey	....	42x 8	1907
Ga S	R. P. Daniel	....	25x..	....
Ga S	Sea Gull	....	30x..	....
Ga S	Spray	....	39x 8	....
Ga S	Vidette	....	...x..	....
Ga S	Wightman	....	72x14	1909

Steam Vessels.

Str	Argonaut	188	109x23	1904
Str	Bratton	83	100x13	1895
Str	Geo. M. Sternberg	....	80x17	1892
Str	Groenevelt	....	44x8	1899
Str	Long	....	40x9	1900
Str	Neptune	144	105x21	1901
Str	Oahu	....	36x9	1900
Str	Penguin	....	55x11	....
Str	Petrel	....	40x10	1903
Str	Sanator	....	161x32	1900
Str	Zapote	....	83x13	....

Vessels of the Bureau of Immigration.

Str	Ellis Island	802	144x37	1904
Str	Immigrant	220	103x22	1905
Str	Inspector	50	70x12	1908
Al S	Samoset	12	40x9	1898
Ga S	Sargent	3	30x 6	....

Vessels of the Bureau of Fisheries.

Str	Albatross	638	200x27	1882
Str	Curlew	50	79x20	1902
Str	Fish Hawk	441	146x27	1879
Sch	Grampus	87	81x22	1886
Str	Phalarope	55	82x16	1881

Vessels of the Quartermaster's Department.

Steam Launches.

Gas S	Alcatraz	18	50x10	1903
Str	Capron	3	30x7	1899
Str	Captain Connell	30	60x12	1905
Str	Captain De Hart	7	40x8	1901
Str	Captain Gregg	30	60x12	1907
Str	Captain Hartshorne	30	60x12	1905
Str	Captain Page	15	45x9	1903
Str	Captain Smead	4	33x8	1900
Str	Captain Watson	7	40x8	1901
Gas S	Capt. W. H. Wilhelm	29	60x12	1909
Str	Col. Hamilton	3	30x7	1900
Str	Colonel Mitchell	11	45x10	1901
Str	Col. Ramsey	3	30x7	1899
Gas S	Field	3	25x7	1906
Gas S	Florence	7	40x8	1900
Str	General De Russy	15	60x10	1899
Gas S	Henry	3	26x 7	1909
Str	Lieut. Augustin	30	60x12	1905
Str	Lieut. Bernard	24	50x12	1901
Str	Lieut. Boutelle	18	53x10	1894
Str	Lieut. Bumpus	30	60x12	1905
Str	Lieut. Burnham	3	30x7	1899
Str	Lieut. Crosby	7	40x8	1901
Str	Lieut. Drew	30	60x12	1907
Gas S	Lieut. EdmundD.Benchley	3	30x6	1906
Gas S	Lieut. E. E. Downes	29	60x12	1909
Str	Lieut. Hazlett	4	33x8	....
Gas S	Lieut. Henry B. McCorkle	2	21x5	1906
Str	Lieut. Lee	30	60x12	1907
Str	Lieut. Lewis	21	58x10	1901
Str	Lieut. Shipp	30	60x12	1907
Elec	Lieut. Wansboro	3	30x6	1902
Gas S	Lieut. Ward Cheney	29	60x12	1909
Gas S	Lieut. Wm. A. Sater	4	42x 8	1906
Gas S	Lieut. Wm. C. Neary	29	60x12	1909
Str	Pleasanton	3	30x7	1899
Elec	Tender	3	30x 6	1904
Elec	Tender	3	30x 6	1904
Elec	Tender	3	30x 6	1904
Elec	West Point	3	30x6	1904

Steam Lighters.

Str	Canby	209	97x30	1898
Str	Poe	157	92x26	1898
Str	Williams	198	145x21	1875

Tugs and Artillery Steamers.

Str	Capt. A. M. Wetherill	128	86x20	1907
Str	Capt. Anton Springer	38	65x13	1909
Str	Capt. Charles W. Rowell	128	86x20	1907
Str	Capt. Drum	62	83x17	1875
Str	Capt. Gregory Barrett	153	98x22	1909
Str	Capt. James Fornance	153	98x22	1909
Str	Capt. T. W. Morrison	128	86x20	1907
Str	Col. Wikoff	38	59x16	1899
Str	Gen. A. M. Randol	153	98x22	1909
Str	Gen. G. W. Getty	153	98x22	1909
Str	Gen. Harvey H. Brown	153	98x22	1909
Str	Gen. J. M. Brannan	153	98x22	1908
Str	Gen. R. B. Ayres	153	98x22	1908
Str	Gen. R. H. Jackson	153	98x22	1909
Str	Gen. Richard Arnold	153	98x22	1908
Str	Gen. Robert Anderson	153	98x22	1908
Str	Gibbon	59	72x19	1897
Str	Lieut. Alonzo H. Cushing	106	95x20	1899
Str	Lieut. Chas. V. Donaldson	49	70x16	1907
Str	Lieut. Geo. M. Harris	120	105x22	1905
Str	Lieut. Edgar F. Koehler.	38	65x13	1909
Str	Lieut. John A. Gurney	38	65x13	1909
Str	Lieut. Haydon Y. Grubbs	21	60x12	1902
Str	Lieut. Maxwell W. Keys	19	45x12	1898
Str	Lieut. W. L. Murphy	38	65x13	1909
Str	Lieut. Wm. F. Schenck	38	65x13	1909
Str	Lieut. Wm. H. Smith	38	65x13	1909
Str	Major Albert G. Forse	128	86x20	1907
Str	Petersen	104	72x18	1898
Str	Reno	135	96x20	1889
Str	Slocum	581	148x29	1898

Passenger and Freight Steamers.

		Gross tonnage.	Length-breadth, feet.	Year built.
Str	Cartwright	114	104x20	1901
Str	General Barry	56	85x17	1896
Str	Gen. D. S. Stanley	341	120x24	1910
Str	Gen. George H. Weeks	341	120x24	1910
Str	General Howe	74	75x18	1897
Str	Gen. J. W. Jacobs	319	125x26	1908
Str	Gen. Jeff C. Davis	277	120x22	1898
Str	Gen. Jos. E. Johnston	349	130x27	1904
Str	General McDowell	160	125x23	1886
Str	General Meigs	292	132x26	1892
Str	General Mifflin	380	130x27	1904
Str	Gen. Nathanael Greene	340	130x27	1904
Str	Gen. R. N. Batchelder	280	110x24	1905
Str	Gen. Robt. Swartwout	280	110x24	1905
Str	Gen. S. B. Holabird	341	120x24	1910
Str	Gen. Thomas S. Jesup	340	130x27	1904
Str	Gen. Timothy Pickering	280	110x24	1905
Str	Henry Wilson	248	110x24	1903
Str	Maj. Evan Thomas	250	105x20	1904
Str	Maj. Guy Howard	92	80x18	1903
Str	Sprigg, Carroll	248	110x24	1903

Submarine Mine Planters.

Str	Col. George Armistead	447	150x30	1904
Str	Gen. E. O. C. Ord	590	165x32	1909
Str	Gen. Henry J. Hunt	447	150x30	1904
Str	Gen. Henry Knox	447	150x30	1904
Str	Gen. J. M. Schofield	590	165x32	1909
Str	Gen. R. F. Frank	590	165x32	1909
Str	Gen. S. M. Mills	590	165x32	1909
Str	Maj. Samuel Ringgold	447	150x30	1904

Ferryboat.

Str	General Hancock	309	102x23	1898
Str	General Otis	389	114x32	1910

Transports.

Str	Buford	5040	371x44	1890
Str	Burnside	2194	285x37	1882
Str	Crook	4126	420x47	1882
Str	Dix	6839	445x52	1892
Str	Kilpatrick	5046	371x44	1890
Str	Liscum	1072	248x31	1878
Str	Logan	5672	445x49	1892
Str	McClellan	3006	336x38	1885
Str	Meade	5641	488x44	1874
Str	Seward	1275	195x39	1900
Str	Sheridan	5673	445x49	1892
Str	Sherman	5780	445x49	1893
Str	Sumner	3458	351x43	1883
Str	Thomas	5713	445x50	1894
Str	Warren	4243	371x44	1889
Str	Wright	871	199x27	1887

Cable Steamer.

Str	Joseph Henry	601	160x32	1908
Str	Cyrus W. Field	235	121x31	1901

Vessels of the Ordnance Department.

Str	Ordnance	293	108x26	1905

Vessels of the Light House Establishment.

Str	Amaranth	744	151x28	1892
Str	Anemone	677	173x30	1908
Str	Arbutus	400	144x25	1879
Str	Armeria	1052	202x35	1890
Str	Aspen	277	118x25	1906
Str	Azalea	†423	145x25	1891
Str	Columbine	424	145x26	1892
Str	Crocus	†626	154x29	1904
Str	Cypress	677	173x30	1908
Str	Daisy	35	74x14	1892
Str	Gardenia	150	117x20	1879
Str	Goldenrod	461	150x26	1888
Str	Heather	†731	165x28	1903
Str	Hibiscus	677	173x30	1908
Str	Holly	367	167x24	1881
Str	Hyacinth	738	151x28	1902
Str	Iris	428	142x30	1897
Str	Ivy	550	165x30	1904
Str	Jessamine	257	146x24	1881
Str	John Rodgers	260	151x27	1883
Str	Juniper	85	90x18	1903
Str	Kukui	677	173x30	1908
Str	Larkspur	†703	162x30	1903
Str	Lilac	434	145x26	1892
Str	Lily	507	178x28	1875
Str	Madrono	411	163x27	1885
Str	Magnolia	550	165x30	1904
Str	Mangrove	572	155x30	1897
Str	Manzanita	677	173x30	1908
Str	Maple	392	155x30	1893
Str	Marigold	454	150x27	1890
Str	Mayflower	572	155x30	1897
Str	Mistletoe	352	153x26	1872
Str	Myrtle	348	140x25	1872
Str	Nettle	22	58x10	1878
Str	Oleander	344	165x34	1903
Str	Orchid	677	173x30	1908
Str	Pansy	314	147x25	1878
Str	Sequoia	677	173x30	1908
Str	Snowdrop	32	61x10	1896
Str	Sumac	681	160x30	1903
Str	Sunflower	†797	163x31	1907
Str	Thistle	32	60x15	1890
Str	Tulip	677	173x30	1908
Str	Verbena	295	135x26	1870
Str	Violet	231	143x23	1864
Str	Warrington	410	152x25	1868
Str	Water Lily	33	61x10	1895
Str	Wistaria	450	167x25	1882
Str	Zizania	417	150x27	1888
Str	88	488	113x29	1907
Str.	90	477	113x29	1908
Str	91	477	113x29	1908
Str	92	477	113x29	1908
Str	93	477	113x29	1908

† Displacement.

Vessels of the Coast and Geodetic Survey.

Steam Vessels.

Sch	Bache	370	153x26	1901
Sch	Cosmos	....	52x12	1887
Sch	Endeavor	130	111x18	1862
Sch	Explorer	335	135x27	1904
Sch	Fathomer	431	144x25	1904
Sch	Gedney	244	140x24	1875
Sch	Hydrographer	116	101x19	1901
Sch	Marinduque	411	132x23	1901
Sch	McArthur	220	115x20	1876
Sch	Pathfinder	690	168x33	1899
Bk	Patterson	500	163x27	1882
Sch	Research	95	94x15	1898
Sch	Romblon	411	132x23	1901
Sch	Taku	54	70x16	1898
Sch	Yukon	38	75x16	1898

Sailing Vessels.

Sch	Drift	156	76x19	1876
Sch	Matchless	118	91x25	1859
Sch	Transit	44	60x15	1888

Maritime Association of the Port of New York.

President—Wm. Simmons Vice-President—Edgar F. Luckenbach Secretary—John Dowd Treasurer—F. V. L. Jones
Superintendent—C. Lynn Bundy

FIRMS, BUSINESS HOUSES AND COMPANIES REPRESENTED IN THE EXCHANGE.

Ackerman, William, ship stores, 153 Chambers St.
Adair, John, stevedore, 8 Bridge St.
Aldrich, Alonzo, lighterage and cooperage, 110 Wall St.
Ali, George D., agent Standard Oil Co., 26 Broadway.
Anderson, J. B., fruits, 17 Battery Place.
Anderson, Lars, asbestos, 59 Pearl St.
Anderson, William H., Towing and lumber, 127 Produce Exchange.
Anger, Edward M., petroleum, 26 Broadway.
Angers, F. J., storage, 8 Bridge St.
Arkell, James W., shipping, 38-44 Kemble Bldg.
Armstrong, Harold, S. S. agents and S. brokers, 8-10 Bridge St.
Atkinson, Harry B., ship broker, 21 State St.
Atwood, E. S., Highlands, N. J.
Aufrecht, Gustav A., broker, 2-4 Stone St.
Auten, George M., ship chandlery, 26 South St.

Babcock, W. I., naval architect, 17 State St.
Bacon, Daniel, steamships, 302 Produce Exchange.
Bacon, Robert Ogden, steamships, 17 State St.
Bailey, Andrew J., ship broker, 59 Pearl St.
Baird, Marcus, insurance, 78-80 Broad St.
Baker, Robert B., coal, 29 Broadway.
Baldwin, Peter, steamship agent, 29 Broadway.
Ballou, William F., provisions, 77 Broad St.
Barber, Edward J., broker, 17 Battery Place.
Barber, Herbert, broker, 17 Battery Place.
Barber, James, broker, 17 Battery Place.
Barclay, Alexander M., shipping, 29 Broadway.
Barnes, John V., shipping and commission, Produce Exchange.
Barrett, Richard J., towing, 58 West St.
Barry, Charles D., commission, 17 State St.
Bartling, Seth M., commission merchant, 21-24 State St.
Bartram, Joseph Percy, shipping and commission, 17 Battery Place.
Bartram, Rensselaer W., shipping and commission, 17 Battery Place.
Bass, Oscar F., tinsmith and plumber, 58 Atlantic Ave., Brooklyn.
Battie, W. W., ship brokers, Produce Exchange.
Baulch, H. P., ship broker, 97 Broad St.
Baxter, Andrew, compositions, 17 Battery Place.
Baxter, Andrew, Jr., compositions, 17 Battery Place.
Baxter, George S., lumber, 15 William St.
Baxter, John F., wrecking, 308 West St.
Becker, Frederick, ship chandlers, 13-15 Coenties Slip.
Behr, G. E., lead, 81 Fulton St.
Behrens, A., shipping and commission, 95 Broad
Behrens, A., shipping and commission merchants, 95 Broad St.
Behrens, Roland H., commission, 46 Cedar St.
Bell, Samuel T., bags and bagging, 63 Front St.
Bergen, Parmenus J., nautical instruments, 140 Water St.
Beringer, Harry R., merchant police, 42 Whitehall St.
Berlin, Michael, shiprights, etc., 47 Van Brunt St., Brooklyn.
Berner, A. E., steamships, 31 Broadway.
Bernier, Louis L., mfrs. feed heaters, and evaporators, 78-80 Broad St.
Berwind, John E., coal, 1 Broadway.
Billquist, C. Ed., commission, 11 Broadway.
Black, Roger Nelson, ship brokers and steamship agents, 17 State St.
Blackburn, S. P., steamship supplies, 13-15 Coenties Slip.
Blanchard, A. N., stevedores, 626 50th St., Brooklyn.
Blank, William F., asbestos packing, 115 Broad St.
Bliss, Ernest C., shipping and commission, 88 Wall St.
Blom, Gaston E., ship chandlery, 38 Pearl St.
Blow, Geo., Allmand, life boats, life preservers, etc., 305 Vernon Ave., L. I. City.
Boffey, Frederick G., paints, 1 Broadway.
Bolander, Frederick, R. R. cross ties, 15 William St.
Boldt, George C., 5th Ave. and 34th St.
Bolling, Oscar L., dry dock and engineers, foot 57th St., Brooklyn.
Bolognesi, Alexander, bankers, 52 Wall St.
Boulton, Frank F., general contractor and stevedore, 78 Broad St.
Bowdoin, Temple. bankers, 23 Wall St.
Bowring, Charles W., steamships, 17 State St.
Boyce, William R., warehouse, 54-56 Water St.
Boyd, Fred. H., contracting agent, 399 Broadway.
Boyer, Russell L., lighterage, 82 Beaver St.
Brackenbridge, C. D., coal, 1 Broadway.
Brady, John J., stevedores, 24 State St.
Brandt, Fred P., ship brokers, 90 Wall St.
Brewster, J. W., Marine surveyor, 77 Beaver St.
Brickley, William C., marine insurance, 3 S. William St.
Brighton, Harry, merchant police, 67 South St.
Brooks, Theo. A., boiler and pipe covering, 100 N. Moore St.
Brower, J. A., hardwood and storage, 96 Wall St.
Brown, Frederick M., lawyers, 54 Wall St.
Brown, Simon H., ties and timber, 11 Broadway.
Brown, Vernon C., stocks and bonds, 80 Broadway.
Brown, W. P., bankers, 59 Wall St.
Brunn, Lincoln, shipping and commission, 82 Beaver St.
Bryant, B. O., Ship brokers, 116 Broad St.
Buchanan, Cornelius W., ship brokers and steamship agents, 8-10 Bridge St.
Buechner, A. R., marine insurance, 6 Hanover St.
Bull, Archibald H., commission and shipping, 8 Bridge St.
Bull, Ernest M., commission and shipping, 8 Bridge St.
Bullowa, Ralph James M., lawyer, 10 Broadway.
Bundy, C. Lynn, superintendent, 78 Broad St.
Burgess, E. G., grain elevator, 101 Produce Exchange.
Burhenne, Gustav, steamships, 13 Broadway.
Burnham, William D., shipping, 8-10 Bridge St.
Burns, John, commission merchants, 222 Lewis St.
Burrows, George R., sail makers, 2 and 3 South St.
Burrows, Lemuel Jr., coal, 1 Broadway.
Burrows, Robert H., coal and coke, Produce Exchange Annex.
Burrows, W. M., ship and freight broker, 32 Broadway.
Buse, Frederick, ship plumbing and ironworkers, 123 Broad St.

Bush, Irving T., warehousing, 100 Broad St.
Bushey, Ira S., dry dock, ship yard, etc., foot 20th St., Brooklyn.
Butler, James F., general merchants, 29 Broadway.

Cadmus, H. C., towing and transportation, 1 Broadway.
Cadmus, Irvin, fruit, 17 Battery Place.
Cahill, Peter, tug boats, 140 Broad St.
Callaghan, C. H., shipping, 82 Beaver St.
Cameron, Donald S., ship chandlers, Water St. and Coenties Slip.
Campbell, Andrew M., ship chandlers, 42 Front St.
Campbell, John, Water for shipping, 38 South St.
Canrobert, A. H., paints, 32 Whitehall St.
Carney, James C., stevedore and cooper, 34 Old Slip.
Carter, Alexander G., stevedore, Produce Exchange.
Carter, Peter S., lawyer, 15 Whitehall St.
Caruba, Joseph, stevedores, 202 Union St., Brooklyn.
Carver, Amos D., ship chandlers, Water St. and Coenties Slip.
Caspary, Joseph A., fruit importers, 204 Franklin St.
Cassidy, William E., cooperage, 13-15 Coenties Slip.
Cauchois, O. R., steamships and shipping, 19 State St.
Chapman, F. H., general contractors, 111 Broadway.
Chase, Daniel C., Supt. steam towing and lighterage, 109 West St.
Chiarello, Dick, stevedores and lighterage, Pier 32, E. R.
Christensen, Erick T., submarine work, 130 Pearl St.
Christoffers, Chas. A., paints, 42 Broadway.
Christoffers, George, shipbuilding and dry docks, 78 Broad St.
Clark, I. M., Jr., coal, 50 Church St.
Clark, John T., stevedores, 126 Broad St.
Clark, John T., Jr., stevedores, 126 Broad St.
Clarke, C. H., storage, 17 S. William St.
Clyde, Thomas, merchant, 24 State St.
Clyde, W. P., merchant, 24 State St.
Cobb, Daniel A., Jr., lighterage, Produce Exchange Annex.
Coe, William R., average adjusters, 49-51 Wall St.
Coiley, John, clothier, 142 Columbia St., Brooklyn.
Cole, Edward, ship brokers, 32 Broadway.
Coleman, Daniel, towing and transportation, 70 South St.
Collard, B. C., storage, 10 Bridge St.
Collas, Francis O., spar makers, foot 21st and 22d Sts., Brooklyn.
Collins, Frederic N., merchants, 96 Wall St.
Collora, Domenico, engineers, 15 Whitehall St.
Condit, George E., merchant, 31 Burling Slip.
Conlon, C. J., ship chandlers, 42 Front St.
Connell, John W., fertilizers, 2 Rector St.
Conti, Cesare, steamship and banking, 35 Broadway.
Conway, W. J., towing, 17 State St.
Cook, H. W., steamship line, 222 Lafayette Bldg., Philadelphia, Pa.
Cook, William P., lumber and R. R. ties, 100 Wall St.
Cooke, William G., sugar and commission merchants, 82 Wall St.
Coombs, James Bliss, importers, 106 Wall St.
Coon, W. H., petroleum, 66 Broad St.
Cooney, John J., lumber, 68 Broad St.
Copeland, Theron A., rubber brokers, 35 S. William St.
Corner, R. Cromwell, commission, 21-24 State St.
Corner, Thomas, commission, 21-24 State St.
Cornish, Selah H., publishers and printers, 71 Broad St.
Cornwell, George R., insurance, 78-80 Broad St.
Cosgrove, Frank, stevedore, 214 Eckford St., Brooklyn.
Cosgrove, William J., steamship agents, 17 State St.
Coverly, William, steamships, 19 Broadway.
Cox, Harry D., steamships, 302 Produce Exchange.
Cox, Irving, naval architects, 15 William St.
Coykendall, Frederick, steamboats, foot W 52d St.
Coykendall, Samuel D., president, foot W 52d St
Crego, Martin H., metals, 99 John St.
Crockett, Walter E., ship brokers, 31 South St.
Crooks, Charles H., steamships, Pier 5, Bush Docks, Brooklyn.
Crossley, George R., pitch pine exporter, 11-19 William St.
Crossman, George W., merchants, 96 Wall St.
Curry, Frank, shipbuilding and dry dock, 30 Church St.

Dalzell, Edward T., coal, 152 3d St., Brooklyn.
Dalzell, Fred B., towing, 70 South St.
Dalzell, Wm. Freeland, towing, 70 South St.
Damm, Chr. A., coffee dealer, 349 Furman St., Brooklyn.
Daniels, Lorenzo, merchants, 301 Produce Exchange.
Davey, William N., Av. Adj. and insurance brokers, 49 Wall St
Davidson, William J., shipbuilding and repairing Port Richmond, S. I.
Davis, C. J., export and import, 25 Broad St.
Davis, Charles S., Jr., ship and steamship agents and brokers, 316-320 Walnut St., Philadelphia.
Davis, Henry C., transportation, Produce Exchange.
Day, E. C., steamship agents, 18 Broadway.
Dayton, Frank A., ship broker, 95 Broad St.
Dealy, John E., engineers, 15 Whitehall St.
Dearborn, D. B., shipping and commission, 8-10 Bridge St.
Dearborn, D. B., Jr., shipping, 8-10 Bridge St.
Dearborn, George S., shipping, 8-10 Bridge St.
De Mercado, Michael, commission merchants, 8-10 Bridge St.
Denison, W. A., sugar refining, 117 Wall St.
Dennis, Charles, auctioneers, 29 Burling Slip.
Despard, Walter D., insurance, 6 Hanover St.
Dewson, James H., coal, 1 Broadway.
Dickey, William D., engineer, Produce Exchange.
Dickinson, George E., bituminous coal, 1 Broadway.
Diehl, George H., Jr., commission merchant, 127 Duane St.
Di Giorgio, Salvatore, importers tropical fruit, 11 Broadway.
Diamond, C. F., ship chandlers, 42 Front St.
Dinsmore, James T., steamships, 17 Battery Place.
Donald, John A., ship paints, 18 Broadway.
Donald, J. H., stevedores, 335 Mowbray Arch, Norfolk, Va.

Donegan, Edward J., Jr., dry docks and repairs, 17 Battery Place.
Donnelly, P. F., steamships, 11 Broadway.
Donnelly, William T., consulting engineer, 17 Battery Place.
Doremus, Robert P., banking, 42 Broadway.
Dougherty, Theo. W., ship brokers, 21 State St.
Douglas, W. H., shipping, 24 Exchange Place.
Dowd, John, bags and bagging, 66 Pearl St.
Downing, Thomas H., customs brokers, 45 Pearl St.
Driggs, Elliott F., warehouse, 130 Pearl St.
Drum, Thomas,
Duane, John J., cooper, 97 Water St.
Duckett, A. W., ship and steamship brokers, 17 Battery Place.
Dumois, Hipolito, fruit importers, 18 Broadway.
Dunham, J. Frank, merchants, 88 Wall St.
Dunn, James A., importers, Reade St. and Broadway, (Dun Bldg.).
Dunphy, John F., shipping agents, 11 Moore St.
Duque, Carlos R., export, 17 Battery Place.
Durkee, Charles D., ship chandlers, 3 South St.
Dyer, David, produce dealers, 5217 3d Ave., Brooklyn.

Eastmead, J. P., merchants, 66 Broad St.
Eaton, F. R., ship broker, 29 Broadway.
Edgett, Gilbert M., steamship repairs, Otsego and Van Dyke Sts., Brooklyn.
Eger, Theodore G., 210 Van Buren St., Brooklyn.
Eiseman, George J., transportation, 6 Beaver St.
Eldridge, A. B., towing, 17 South St.
Eldridge, Frederick T., grain elevators, 101 Produce Exchange.
Elligers, Johan, water for steamships, 96 Wall St.
Elliot, John A., ship brokers, 30 South St.
Elliott, Frank C., ship broker, 18 Broadway.
Emery, Hilton F., stevedores, 42 South St.
Emery, John M., manager marine department, Hoboken, N. J.
Endner, Alfred M., shipwrights, foot Beard St., Brooklyn.
Eppinger, Jesse I., lumber, 165 Broadway.
Eustace, John C., Aver'g. Adjs., insurance, brokers, 3 So. William St.

Faguet, Paul, steamships, 19 State St.
Fallon, Wm. H., merchants, 18 So. William St.
Fearn, Charles C., coffee importers, 107 Wall St.
Feltmann, Franz, shipping and commission, 11 Broadway.
Finch, Hubert A., ship brokers, 24 State St.
Firman, Harry, paint, 1 Broadway.
Firth, Walter F., general stores, 21-24 State St.
Fischer, Frederick G., merchants, Hanover Sq.
Fitzgerald, J. M., president, 149 Broadway.
Fitz Gibbon, Charles, steam packing, 59-61 Pearl St.
Fitz Gibbon, H. S., steam packing, 59-61 Pearl St.
Fitzpatrick, F. F., manufacturers, 30 Church St.
Floyd-Jones, G. Stanton, insurance, 49-51 Wall St.
Foley, John F., lawyers, 71 Wall St.
Folger, Arthur H., shipbuilders, 61-65 Summer St., East Boston, Mass.
Foster, Hugh F., stevedore, 32 South St.
Fowler, John F., merchants, Hanover Square.
Fox, Seth W., shipping and commission, 17 Battery Place.
Franklin, P. A. S., steamship agents, 9 Broadway.
Franklin, T. H., ship and freight broker, 78 Broad St.
Frew, Walter E., president, 13 William St.
Frye, Jed, ship brokers and commission, 100 Hudson St.
Fuller, Herbert, insurance, 66 Beaver St.

Galanos, N. A., steamship agents, 97 Broad St.
Galbraith, C. C., manager Marine Dept., 27 William St.
Gans, John H., steamships, 10-12 Broadway.
Gerhard, Paul F., steamship and ship brokers, 8 Bridge St.
Gerrish, William L., storage, 140 Pearl St.
Gibney, B. J., salt, 56 Beaver St.
Gilbert, Frank R., lumber, 42 Broadway.
Gillen, Henry, lighterage and transportation, 59 Pearl St.
Gilmartin, Daniel T., ship and freight brokers, 38 South St.
Gioe, Michael, stevedores, 24 State St.
Gips, A., steamships, 39 Broadway.
Glatzmayer, Joseph J., transportation and wrecking, 17 Battery Place.
Goddard, Richard M., steamships, 302 Produce Exchange.
Goepel, Otto, commission, 35 So. William St.
Gombers, Eugene W., custom house brokers, 66 Broad St.
Goodrich, Henry W., lawyers, 49 Wall St.
Gordon, J. R., sulphur, 82 Beaver St.
Gosling, Francis E., merchant police, 67 South St.
Graney, Martin, stevedores, 108 Tenth Ave.
Graney, Martin, Jr., stevedores, 108 Tenth Ave.
Graney, Michael, stevedores, 108 Tenth Ave.
Greene, H. W., storage, 100 Broad St.
Gregory, John C., ship brokers, 2-4 Stone St.
Gremmels, Chas. Ernst, ship brokers, 31 South St.
Griffin, Charles E., commission, 24-26 Stone St.
Griscom, Clement A., Jr., repairs and supplies, 90 West St.
Grymes, Arthur J., manager Marine Dept., Produce Exchange.
Guardino, Stephen, sealers and painters, 87 Elizabeth St.

Haffner, Jacob H., ship chandlery and provisions, 26 Water St.
Hagar, Walter F., ship brokers, 421 Chestnut St., Philadelphia.
Hagemann, C., ship brokers, 8-10 Bridge St.
Hahl, Charles C., lighterage and transportation, 17 Battery Place.
Hall, Charles G., dry docks, ship repairing, etc., foot 55th to 57th Sts., Brooklyn.
Hall, Edward A., chains, anchors, cordage, 124 Broad St.
Halvorsen, S. C. underwriters' agent, 17 State St.
Hamilton, W. Pierson, bankers, 23 Wall St.
Hammond, George L., storage and lighterage, 129 Front St.
Hanfield, B. F., Supt. floating equipment, West 42d St. Ferry.
Hannah, C. G., coal, 1 Broadway.
Hansen, Hans G. M., iron works, 39 Union St., Brooklyn.
Harland, John C., ship composition, 18 Broadway.
Harper, James, ship brokers and commission merchants, 17 State St.
Harrah, Charles J., steel manufacturers, 50 Church St.

Harrington, Howard S., lawyer, 64 Wall St.
Harris, John E., commission merchants, 16-18 Exchange Place.
Harris, Samuel, ship supplies, 38 Water St.
Harterfield, Leverett C., marine paint, 18 Broadway.
Hasler, F. E., steamship agent and ship brokers, Produce Exchange.
Hasler, Thomas B., steamship agent and ship brokers, Produce Exchange.
Haviland, Frank B., lumber, 50-52 Pine St.
Hay, George T., ship brokers, 21-24 State St.
Haynor, G. H., Jr., foreign shipping Dept., 26 Broadway.
Hayward, Wm. Frederick, steamship agents, 11 Broadway.
Hebert, Arthur A., steel manufacturers, 50 Church St.
Hellen, Joseph, steamships, 165 Broadway.
Helliesen, George, ship broker, Produce Exchange.
Henderson, John, chronometers, 140 Water St.
Henderson, W. F., soap manufacturers, 199 Fulton St.
Henry, Charles I., commission merchants, 21 State St.
Hess, Victor R., sugar refining, 79 Wall St.
Hildebrand, John C., paints, 38 South St.
Hille, Gerhard, steamship agents and ship brokers, 18 Broadway.
Hirsch, Albert, lumber, 26-28 Beaver St.
Hoagland, C. D., storage, 8 Bridge St.
Hoefft, George A., lumber, 15 William St.
Hoffman, H. C., steamship owners, 10-12 Broadway.
Hogan, Charles W., stevedores, 108 Produce Exchange.
Hogan, Jefferson, stevedores, 108 Produce Exchange.
Holmes, Samuel, steamship broker, 66 Broad St.
Holbrook, Walter S., towing, 54 South St.
Holmes, Samuel, steamship broker, 66 Broad St.
Holtvedt, J. H., ship chandlery, Water St. and Coenties Slip.
Hopkins, John F., Sandy Hook pilot, 17 State St.
Horn, William T., shipping agent, 58 Pearl St.
Houghton, Joseph H., ship brokers, 16 Beaver St.
Howard, P. J., ship provisions, Produce Exchange.
Howe, Ernest McDermott, bituminous composition, 18 Broadway.
Howland, Clarence P., lumber, coal and towing, 81 Broad St.
Howland, Joseph M., towing, 81 Broad St.
Hoyt, John H., paints, 1 Broadway.
Hudson, Mott B., shipwrights, caulkers, etc., Pier 2, Erie Basin, Brooklyn.
Hueber, Henry, ship chandler, 109 Broad St.
Hughes, Edward T., watchmen, 34 Old Slip.
Hughes, Joseph C., Av. adjusters and insurance brokers, 3 South William St.
Hunt, E. F., insurance, 3 South Williams St.
Hunter, John H., forwarding agents and storage, 33 Pearl St.
Hunter, Samuel, deceased.
Hunter, Stephen C., adjusters and insurance brokers, 49-51 Wall St.
Hvosleff, F. W., steamship agents and ship brokers, 18 Broadway.
Hyatt, William E., wire, 30 Church St.
Hyde, Charles E., dry docks, 17th St. and Park Ave., Hoboken.

Intall, Joseph, general stevedores and Con's., 165 Columbia St., Brooklyn.
Iselin, Adrian, Jr., bankers, 36 Wall St.
Iselin, Columbus O'D., bankers, 36 Wall St.

Jackman, Nicholas, stevedore, 124 Eagle St., Brooklyn.
Jackson, H. E. D., shipping, 8-10 Bridge St.
Jaffray, Robert, merchants, 25 Broad St.
Jahn, Otto G. C., lumber, coal and wood, Produce Exchange Annex.
James, Arthur Curtiss, metals, 99 John St.
Jensen, P. A., dry docks, 78 Broad St.
Johanns, Fred L., ship provisions, Produce Exchange.
Johansen, Hans, ship and engineer surveying, 17 State St.
Johnston, Robert, Jr., ship brokers, 18 Broadway.
Jones, D. H. E., shipping and commission, 17 State St.
Jones, Frank S., coal, B 9, 10, 11, Produce Exchange Annex.
Jones, Frederick V. L., shipping and commission, Produce Exchange Annex.
Jones, Howard E., steamship and ship brokers, 17 State St.
Jordan, Chas. Wade, freight brokers, 434 Produce Exchange.
Jordan, W. R., railroad ties, 11 Broadway.

Kahnweiller, Oscar, life saving appliances, 2 Dover St.
Kane, Edward A., clothier, 49-51 Columbia St. Brooklyn.
Kane, James P., clothier, 53 Atlantic Ave., Brooklyn.
Kanzow, O. C., merchant, 42 Broadway.
Kappelmann, Otto F., bankers, 44 Wall St.
Keegan, James F., shipping agents, 11 Moore St.
Keegan, Joseph J., ship chandlers, 13-15 Coenties Slip.
Keeler, Elmer E., transportation, 1 Broadway.
Keene, Wilson B., lumber, 17 Battery Place.
Kemp, George William, drugs, 135 Water St.
Kendall, C. M., chemicals, 100 William St.
Kennedy, James, Supt. marine Dept., 21 State St.
Kenney, William N., ship's rigger, Pier 2, Erie Basin, Brooklyn.
Kerr, John E., Jr., shipping & commission, 41 Beaver St.
Kessel, Henry A., ship machinery, 38 Pearl St.
Keyes, Thomas A., cooperage and grain bags, 15 Whitehall St.
Killeen, Wm. H. R., ship brokers, 8 Bridge St.
Killerlane, Dennis, engineer, 78 Broad St.
King, Jerome A., transportation, 17 State St.
King, Robert M., paint, 21-27 Dunham Place, Brooklyn.
Kirchhoff, K., shipping agents, 3 Pearl St.
Knell, John E., dock superintendent, 31 Broadway.
Knippler, August, towing and transportation, 17 State St.
Knox, William H., exporters and importers, Produce Exchange.
Knudson, James F., arms and ammunition, 313 Broadway.
Knutzen, K., ship chandlery, 13-15 Coenties Slip.
Kraemer, Frederick L., customs brokers and shipping agents, 26 Stone St.
Kuchlin, Christian, restaurant, 76 Broad St.
Kundhardt, H. R., shipping and commission, 17 Battery Place.

Laidler, William E., chemist and druggist, 116 Broad St.
Lambert, Charles P., steamship brokers, 11 Broadway.
Lambert, Harry P., lumber, 68 Broad St.
Lambert, Thomas W., dry docks, 2 Stone St.
Langdon, C. S., lumber, 71 Beaver St.
Lange, Ove, agent, 17 State St.
Larkin, Michael W., stevedore, 108 Front St.
Lassoe, V. F., deceased.
Laverie, Robert H., chief surveyor for U. S., 17 State St.
Lawrence, M. D., shipwrights, etc., foot Court St., Brooklyn.
Le Blanc, Edgar C., stevedores, 126 Broad St.
Le Blanc, Albert H., stevedores, 126 Broad St.
Lediard, Charles, coal, 1 Broadway.
Lee, D. S. L., merchants, 68 Broad St.
Lee, Henry H., hoisting engines, 59 Pearl St.
Lee, Henry M., lighterage, 59 Pearl St.
Leeds, Edgar C., phosphate mining, 2 Rector St.
Lefferts, William H., merchants, 65 South St.
Leopold, Joseph, ship brokers, 18 Broadway.
Lethbridge, Edgar E., marine insurance, 78-80 Broad St.
Levy, Jefferson M., counselor at law, 128 Broadway.
Lewis, Charles H., insurance, Produce Exchange Annex.
Lewis, William Henry, coal, 1 Broadway.
L'Hommedieu, Samuel, towing, 70 South St.
Liesegang, Jos. E., stevedores, 68 South St.
Lilly, Joseph T., ship brokers, Produce Exchange Annex.
Lincoln, F. W., Jr., express and import commission, 17 State St.
Linton, Walter L., oils, 29 Broadway.
Littlejohn, Howard, Pyrites Ore, 82 Beaver St.
Livermore, John R., broker, 21-24 State St.
Lockhart, Frederick C., ship brokers, 21-24 State St.
Loeser, Vincent, freight brokers, Produce Exchange.
Lohman, J. Frederick, merchant police, 67 South St.
Loines, Stephen, insurance, 49-51 Wall St.
Lord, James Couper,
Lord, William R., ship chandlers, 68 South St.
Loskamp, Harry K., shipwrights and lumber, foot Clinton St., Brooklyn.
Loud, Ed. H., ship broker, 15 Arlington Place, Brooklyn.
Loud, J. H., ship broker, 95 Broad St.
Low, William C., mfrs. Quebracho Ext., 17 Battery Place.
Luckenbach, Edgar F., towing and transportation, 8 Bridge St.
Luebbers, Ernest H., insurance broker, 16-18 Exchange Place.
Lueder, A., commission, 112 Wall St.
Ludin, A. P., mfrs. davits, life boats, etc., Long Island City.

McAllister, James A., ship broker, 78 Broad St.
McCaldin, Joseph, coal, wood and towing, 81 Broad St.
McCann, Frederick, shippers, 17 Battery Place.
McCullough, C. A., merchants, 78 Wall St.
McCormack, E. J., coal, 78 Broad St.
McCreery, Robert, lighterage, 427 Produce Exchange.
McCutchen, Charles W., flour, 95 Broad St.
McDonough, R., export and import, 63 Wall St.
McDougall, George R., sugar brokers, 112 Wall St.
McDougall, John, ship surveyor, Coffee Exchange Bldg.
McGee, Henry A., petroleum, 26 Broadway.
McGowan, James J., ship and steamship brokers, 24 State St.
McGowan, Owen J.,
McGrath, James R., stevedores, Ft. Amity St., Brooklyn.
McGuirl, James J., towing, 624 W. 52d St.
McIntosh, George G., steamships, 82 Beaver St.
McKenna, John, stevedore, 34 Old Slip.
McLean, David, refiners lubricating oils, 29 Broadway.
McManus, Edward F., commission, 64 Wall St.
McMillan, Thomas A., Tackle blocks, 153 South St.
McNamara, James J., steamship repairs, Imlay and Pioneer Sts., Brooklyn.
McNeil, Donald, deceased.
McNeil, John R., machinists, 13 Seabring St., Brooklyn.
McRoberts, William J., merchant police, 42 Whitehall St.
Macdonough, J. M., Mamaroneck, N. Y.
Mackenzie, Edmund L., warehousing, Produce Exchange.
Madigan, Eugene, stevedore, 77 Dikeman St., Brooklyn.
Maeder, Edmund L., bankers, 59 Wall St.
Mahon, Frank L., dry docks, Erie Basin, Brooklyn.
Malone, James B., stevedores, 24 State St.
Marconi, Guglielmo, scientific director, 27 William St.
Maron, Joseph, stevedore, 77 Dikeman St., Brooklyn.
Marshall, Alvano, dry docks, Perth Amboy, N. J.
Martin, Louis, sail maker, 45 South St.
Martin, Willett, coal, 143 Liberty St.
Martino, A. D., paint, 1 Broadway.
Martino, Louis D., water supply for shipping, 4518 17th Ave., Brooklyn.
Menzel, Hugo, commission, 68 Broad St.
Merklen, Benjamin, Jr., marine underwriters, 51 Wall St.
Mettlach, Alex. E., coal miners and shippers, 17 Battery Place.
Meyer, Arthur E., ship agents and steamship brokers, 8-10 Bridge St.
Meyer, Julius Paul, vice-director, 45 Broadway.
Meyers, Henry G., watchmen, 17 South St.
Michelsen, R. M., ship brokers, 18 Broadway.
Millard, Edwin M., towing, 17 State St.
Miller, Charles B., publisher of ship news, 88 Gold St.
Miller, Leonard, marine painting, 15 Whitehall St.
Miller, W. S., dry docks, Ft. Morris St., Jersey City.
Mills, W. H., iron, 45 Wall St.
Miner, Charles F., stevedore, Maritime Exchange.
Moffatt, W. T., shipping and commission, 88 Wall St.
Monaghan, James A., stevedores, 59 Pearl St.
Mooney, Franklin D., transportation, 11 Broadway.
Moore, Harrison B., Jr., ship building and dry docks, 78 Broad St.
Moore, Jonathan, ship building and dry docks, 78 Broad St.

Moore, Walter, freight brokers and forwarders, Produce Exchange.
Moran, Eugene F., towing and transportation, 17 Battery Place.
Moran, John A., engineers and boiler makers, Imlay and Summit Sts., Brooklyn.
Moran, Joseph F., engineers and boiler makers, Imlay and Summit Sts., Brooklyn.
Moran, Joseph H., towing and transportation, 17 Battery Place.
Moran, Robert G., steamships, 24 State St.
Morgan, Leslie A., contracting agent, 301 Produce Exchange.
Morrell, Joseph B., ship chandlers and grocers, Water St. and Coenties Slip.
Morris, Jas. Howard, ship stores, 153 Chambers St.
Morse, E. P., dry docks and repairing, 17 Battery Place.
Mosey, Edward A., steamship brokers, 11 Broadway.
Mouris, A. J., steamship agent and ship brokers, 356 Produce Exchange.
Muller, Carl, bankers, 44 Wall St.
Muller, Frank, commission, 82 Beaver St.
Munro, John, shipwrights, 9 Summit St., Brooklyn.
Munro, W. S., marine hardware, etc., 13 Conover St., Brooklyn.
Munson, C. W., steamships, 82 Beaver St.
Murdock, S. H., coal, 17 Battery Place.
Murphy, D. J., Jr., stevedores, 483 Bourse, Philadelphia.

Nesmith, Henry E., warehousing, 96 Wall St.
Nichols, Frederick P., freight broker, 8 Bridge St.
Nickerson, H. O., steamships, Pier 19, N. R.
Nielsen, Chr., superintending engineer, 77 Broad St.
Nielsen, Thorliff, commission and shipping, 96 Wall St.
Niemeyer, Herman, stowage inspectors, E-10 Produce Exchange Annex.
Nixon, Lewis, ship builder, 22 E 53d St.
Noble, B. E., shipping and commission, 24 State St.
Noble, Robert J., steamships, Piers 19-20, E. R.
Nolan, William F., ship brokers, 356 Produce Exchange.
Nolte, F., fire engines and extinguishers, 198 West Broadway.
Nordenholt, C., stevedore, 81 New St.
Nordenholt, Frederick G., stevedore, 81 New St.
Norman, Charles R., Oil refining, 11 Broadway.
Norman, Francis, marine supt., Pier 10, E. R., Brooklyn.
Norman, George S., feed water treatment, 295 Broadway.
Normann, Henry, ship brokers, 21 State St.
Normann, Max M., ship brokers, 21 State St.
Norton, Edward N., ship brokers, Produce Exchange Annex.
Norton, Skeffington S., ship brokers, Produce Exchange Annex.
Norman, Charles P., commission and shipping, 17 State St.
Noyes, Winchester, ship brokers, 358 Produce Exchange.

Oak, David E., steamship and freight brokers, Room 302, Produce Exchange.
O'Connell, W., stevedores, 261 Maritime Exchange
O'Connor, Joseph P., coal, 1 Broadway.
Odio, Benjamin, export commission, 8-10 Bridge St.
Ogg, Aikman, ship store merchants, 3 Jones Lane.
Ohle, Charles, packings, 115 Broad St.
Olsen, Oscar A., steam packings, 115 Broad St.
O'Neill, James A., composition paint for vessel bottoms, 1 Broadway.
O'Neill, Thomas A., mechanical rubber and asbestos goods, 27 Thames St.
O'Reilly, J. B., steamship agents, Produce Exchange.
Outerbridge, A. Emilius, commission, 29 Broadway.
Outerbridge, Adolphus J., commission, 29 Broadway.
Outerbridge, E. H., shipping and commission, 11 Broadway.
Outerbridge, Frank R., commission, 29 Broadway.
Oxley, Alfred, surveyor, 3 South William St.

Page, Dominick, stevedore, 78-80 Broad St.
Parsons, Edgerton, average adjusters, 51 Wall St.
Parsons, J. E., coal, 14 Wall St.
Paterson, A. E., R. R. & S. S., 24 State St.
Patton, E. H., transportation, Pier 25, N. R.
Pauli, H. G., shipping, and commission, 116 Broad St.
Pauli, Hermann, commisison, 80 Pine St.
Paulsen, Peter, compositions and paints, 26 Water St.
Peck, John A., ship owners, 124 Water St.
Pellegrino, C., stevedores, 32 Union St., Brooklyn.
Pendleton, Edwin S., ship brokers, 130 Pearl St.
Pendleton, Fields S., ship brokers, 130 Pearl St.
Penton, George R., shipping and commission, 78 Broad St.
Percival, L. A. D., paints, 42 Broadway.
Perine, Harvey G., steamship agents and ship brokers, 17 State St.
Pessano, Antonio C., ship and engine builders, Detroit, Mich.
Peters, Samuel T., coal, 1 Broadway.
Phelps, Howard, steamship agents, 17 Battery Place.
Phillips, Joseph D., steamships, 116 Broad St.
Pinkney, Charles W., shipping and commission, 82 Beaver St.
Piper, Edward W., physicians, 1157 54th St., Brooklyn.
Pitou, George W., petroleum, 26 Broadway.
Platt, Clayton, marine insurance, 27 William St.
Pleasants, W. H., vice pres. and gen. mgr., Pier 35, N. R.
Plunkett, Edward A., dry docks, 78 Broad St.
Poor, Charles Lane, Prof. celestial mechanics, 35 Thomas St.
Potter, Charles H., transportation, 8 Bridge St.
Power, Joseph F., paints, 42 Broadway.
Price, Herman, stevedore, 59 Pearl St.
Pudington, A. C., ship brokers, 81 New St.
Putnam, Harrington, Justice of Sup. Court, 404 Washington Ave., Brooklyn.

Quackenbush, Thos. T., transportation and heavy hoisting, 17 Battery Place.
Quigley, James A., Imps. clay, calk, etc., 91 Wall St.
Quinby, Edgar H., lumber, 68 Broad St.

Raab, W. H., engineers, 15 Whitehall St.
Raeburn, William J., steamships, 17 State St.
Rankin, Clement B., ship supplies, 3 Jones Lane.
Ranney, E. C.,
Raven, Anton A., president, 49-51 Wall St.
Rawlinson, Thomas, auctioneers, Beach & West Sts.
Ray, James A., steamships, 11 Broadway.
Ray, W. W., commission, 68 Broad St.
Raymond, H. H., steamships, Pier 36, N. R.
Regan, John, survey, 1 Broadway.
Rehm, John M., West India commission, 11 Broadway.
Rehse, Henry, clothing, 14 Columbia Pl., Brooklyn.
Reid, David C., engineers and boiler makers, Imlay and Summit Sts., Brooklyn.
Reilly, John D., ship yard, engine and boiler works, 15 Whitehall St.
Relyea, Frank W., general warehouse, 24 State St.
Renahan, J. A., coal, 1 Broadway.
Rich, William W., custom house brokers and forwarders, 15 Whitehall St.
Richards, Lowell L., steamships, 17 State St.
Ridgway, Frederick W., steamships, 9 Broadway.
Ring, Welding, merchants, 31-35 Stone St.
Rios, Rafael, coal, 1 Broadway.
Ritchie, J. S., marine insurance, 27 William St.
Robins, John H., engineers, 15 Whitehall St.
Robinson, Jeremiah P., 56 Beaver St.
Roche, Patrick K., drugs, 320 Van Brunt St. Brooklyn.
Roche, David G., towing, Produce Exchange.
Rockwell, George P., custom house brokers, 24 State St.
Rodriguez, Carlos C., steamship brokers, 421 Produce Exchange.
Rodiek, F., merchants, 66 Broad St.
Romaine, L. T., exporters of staves, 68 Broad St.
Roome, B. R., transportation, Pier 10, E. R.
Rosenfeld, Carl H., ship brokers, 8-10 Bridge St.
Ross, Charles E., naval architects, marine and engineers and surveyors, 52 Beaver St.
Rossen, George, steamships, 8 Bridge St.
Row, R. R., marine engineers and constructors, 90 West St.
Rowland, Frank E., recording and delivery clerks, 78-80 Broad St.
Rowlands, E. T., engineers, Otsego and Van Dyke Sts., Brooklyn.
Rudolph, Ernest, coal, 4006 6th Ave., Brooklyn.
Rudolph, William H., lumber, coal and wood, Produce Exchange Annex.
Runyon, W. P., dry docks and ship building, Perth Amboy, N. J.
Ruperti, Justus, commission, 6-9 Hanover St.
Rupp, Richard M., nautical instruments, 39 South St.
Russell, Edward H., coal, 80 Broad St.
Rutland, Wade H., lighterage and warehouse, 65 Wall St.
Ryer, John C., custom house brokers, 29 Broadway.

Sabath, Isaac, men's outfitters, 17 Hamilton Ave., Brooklyn.
Sabath, Milton, chemists, 36 Whitehall St.
Sanchez, E., importers, 55 Front St.
Samuelson, Hans, ships' composition, 18 Broadway.
Sanderson, Lloyd Bowen, steamship agents, 21 State St.
Saunders, Herbert B., marine and ship surveyor and appraiser, 78 Broad St.
Sawman, Axle A., life boats, rafts and life saving equipment, King and Dwight Sts., Brooklyn.
Sawyer, Charles M., heavy hoisting and wrecking, 116 Broad St
Scammell, Frederick E., ship brokers, 8-10 Bridge St.
Schaaf, Hermann, custom house brokers and forwarders, 29 Broadway.
Schaffer, J. Louis, merchants, 1-2 Hanover Sq.
Schaffer, Frank, shipping and commission merchants, 79 Wall St.
Scheel, William H., importer of varnishes, 159 Maiden Lane.
Schmidt, Wilhelm, export, 24 Exchange Place.
Schneider, J. F., merchants, 66 Broad St.
Schryver, Maurice, provisions, 77 Broad St.
Schuyler, Eugene, marine railway shipyard, etc., Ft. Conover St., Brooklyn.
Scott, A. L., Jr., merchants, Hanover Square.
Scully, Thomas J., transportation, 1 Broadway.
Seeth, Hermann, steamship broker, Produce Exchange.
Sewall, Oscar T., merchants, 8 Bridge St.
Sexton, Emory, ship brokers, 38 South St.
Shamberg, A. J., merchants, 17 Battery Place.
Shaw, E. Frederick, stevedore and contractor, 78 Broad St.
Shelly, Richard B., dry docks, foot 7th St., E. R.
Shewan, Edwin A., dry docks, 78 Broad St.
Shields, John, engineer and boiler maker, cor Imlay and Summit Sts., Brooklyn.
Shillito, William H., lumber inspectors, 78 Broad St.
Siccardi, G., ship chandler, 2 N. Pier, Alt. Dock, Brooklyn.
Sickel, W. G., steamships, 45 Broadway.
Siegel, William, commission merchants, 5 Broadway.
Sielcken, Hermann, merchants, 96 Wall St.
Simmins, William, transportation, 59 Pearl St.
Simpson, Ernest L., steamship agents, 11 Broadway.
Slechta, Joseph J., steamships, 17 State St.
Smillie, Charles F., banking and commission, 64 Wall St.
Smith, Arthur M., stevedores and floating derricks, 116 Broad St.
Smith, C. S., ship builder, 100 Broadway.
Smith, Edward J., ship brokers, 81 New St.
Smith, Edwin, ship brokers, 116 Broad St.
Smith, Everett L., brokers, 130 Pearl St.
Smith, Frank V., warehousemen, 17 South William St.
Smith, J. Raymond, marine insurance, 16 Exchange Place.
Smith, Pierre J., commission, 138 Front St.
Smith, R. A. C., merchant, 100 Broadway.
Smith, Walter C., dry docks and shipyard, Weehawken, N. J.
Smith, William, agent Standard Oil Co., 26 Broadway.
Smith, William J., water for shipping, 26 Water St.
Smith, Winfred L., stevedores and floating derricks, 116 Broad St.
Smith, W. O., shipping and commission, 26 Whitehall St.
Snow, Alfred D., merchants, Hanover Square.
Snyder, Elmer J., commission, 6 Hanover St.
Solari, Luigi, steamship agents, 24 State St.

Southard, Frank M., lumber, 11 Broadway.
Spence, Lewis H., steamship agents, 11 Broadway.
Spencer, William T., coopers and inspectors, Produce Exchange Annex.
Stafford, A. F., steamship supplies, 13-15 Coenties Slip.
Stanfield, George I., ship chandlers, 13-15 Coenties Slip.
Steele, William H., metals, 77 Water St.
Steendal, Christian, average adjusters, 3 South William St.
Steengraff, Claus, ship brokers, 60 New St.
Steers, Frank, storage and lighterage, 17 Battery Place.
Steinbrugge, Edward, Jr., shipping and commission, 29 Broadway.
Sterling, George W., transportation, Pier 14, N. R.
Stetson, George H., insurance, 68 Broad St.
Stewart, Cecil Parker, average adjusters and insurance brokers, 26 Exchange Place.
Stockham, Joseph G., stevedores, 44-46 Sackett St., Brooklyn.
Stoddard, B. Rush, freight brokers and steamship, Produce Exchange.
Stoddard, John, mine agent, 29 Broadway.
Stoddart, L. B., ship brokers, 17 State St.
Stone, Elliott, freight brokers, 24 Whitehall St.
Strang, James H., dry docks and machinists, foot Essex St., Jersey City.
Street, William A., shipping and commission, 23 South William St.
Strock, Schuyler C.
Stuart, James P., water for shipping, 38 South St.
Sutherland, J. E., bunker coal, 21 State St.

Taft, James H., Jr., brokers, 100 William St.
Taw, Joseph, boiler sealer, 616 54th St., Brooklyn.
Taylor, Harrison L., merchants, 19 William St.
Taylor, J. I., marine oils, 29 Broadway.
Taylor, Willard U., lawyers, 63 Wall St.
Terrance, Christopher F., lawyer, 63 Wall St.
Terry, Albert D., engineering works, 89 Sedgwick St., Brooklyn.
Terry, Howard A., ship brokers and commission merchants, 116 Broad St.
Thacher, Archibald G., lawyers, 54 Wall St.
Thackara, Robert C., shipping and commission, 8 Bridge St.
Thompson, William A., secretary, 32 Franklin St.
Thompson, S. C., ship master and owner, Matawan, N. J.
Thompson, W. A., Jr., oil, 17 Battery Place.
Thompson, Alfred D., coal, 11 Broadway.
Thompson, T. Kennard, consulting engineer, 50 Church St.
Thorsen, Pearl S., packing, etc., Madison Ave. and 41st St.
Tickle, Arthur, engineering works, 21-25 Delevan St., Brooklyn.
Tickle, Howard B., engineering works, 21-25 Delevan St., Brooklyn.
Tierney, Dominick J., coopers, 96 Wall St.
Tilford, Frank, grocers, 225 Fifth Ave.
Tim, Bernard L., Yellow Pine, 26-28 Beaver St.
Timmins, Edward M., lumber and towing, 127 Produce Exchange.
Timmins, Thomas F., water for shipping, 96 Wall St.
Timson, Charles L., steamships, 17 State St.
Tobias, Charles, steamships, 17 Battery Place.
Tod, Robert E., bankers, 5 Nassau St.
Todd, William H., shipyard, engine and boiler works, 15 Whitehall St.
Tooker, George A., ship brokers, 16 Beaver St.
Tower, Lawrence, coal, 1 Broadway.
Townsend, Rudolph,
Tracy, John, transportation, 1 Broadway.
Tracy, Marcus H., transportation, 59 Pearl St.
Travis, T. W., dry docks and repairing, 17th St. and Park Ave., Hoboken.
Treiss, Philip E., rubber brokers, 37 South William St.
Treyvoux, Charles L., general passenger agent, 19 State St.
Trowbridge, George F., export and commission, 17 Battery Place.
Trundy, Raymond P., ship brokers, 38 South St.
Trumbridge, William, hotel, Hotel St. George, Brooklyn.
Turner, S. E., stevedore, 59 Pearl St.
Turnure, Eben W., Sandy Hook pilot, 17 State St.
Tweddell, W. H., steamship agent, 68 Broad St.

Underhill, George S., shipping and commission, Produce Exchange.

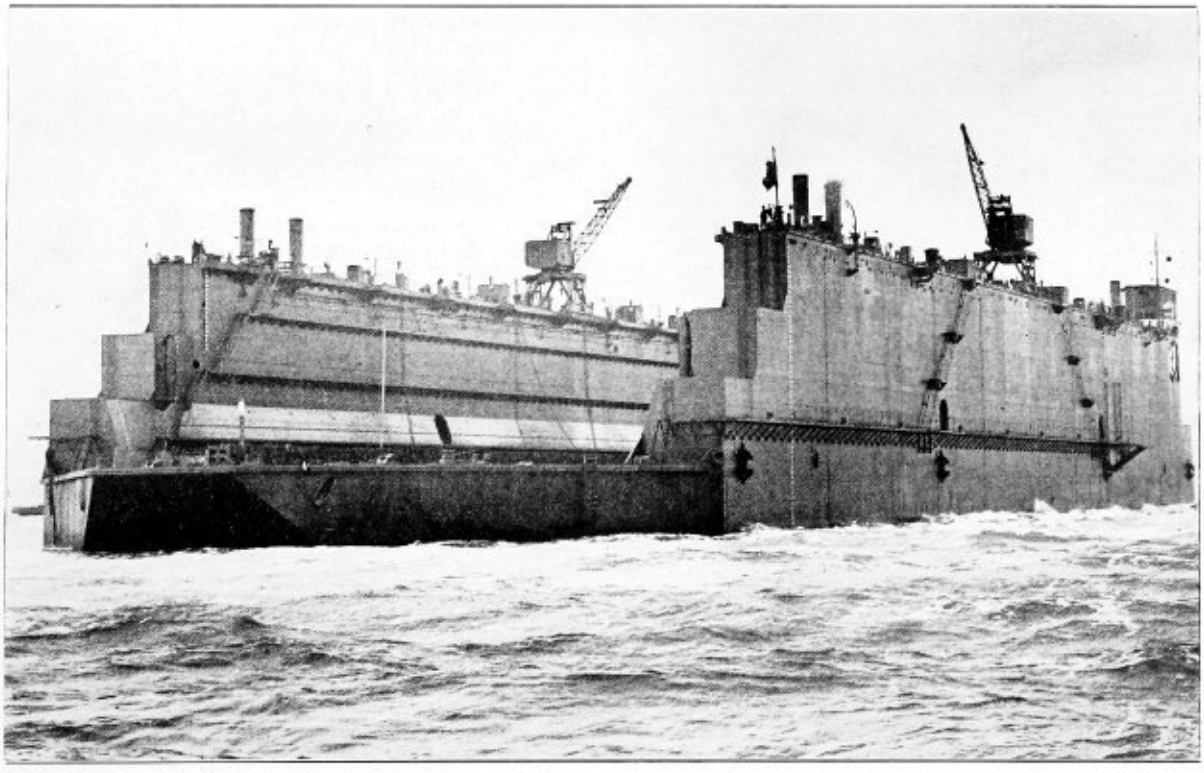
Van Derlip, E. C., exporter of staves, 68 Broad St.
Vatcher, Samuel P., coal, 1 Broadway.
Veit, R. C., petroleum, 26 Broadway.
Vietor, Adolph, commission, 82 Beaver St.
Von Sallet, Curt W., importers, 227 Broadway.

Wadhams, Darwin A., insurance, 3 South William St.
Walker, H. B., transportation, 81 Beach St.
Walker, Richard L., steamships, 24 State St.
Walker, Richard L., Jr., freight brokers, 18 Broadway.
Walker, William H. A., steamships, 302 Produce Exchange.
Walker, Wm. O'B., merchants, 96 Wall St.
Walsh, Edward S., canal transportation, 116 Broad St.
Walsh, James A., grain bags, 96 Wall St.
Walsh, Maurice J., stevedore, 30 Charlton St.
Ward, Edward, commission, 6 Hanover St.
Warden, David T., oil, 26 Broadway.
Warner, C. B., sugar refining, 79 Wall St.
Warren, B. F., petroleum, 11 Broadway.
Warren, William W., mahogany and cabinet woods, 220 11th Ave.
Waycott, Albert K., boiler compounds, 90 West St.
Waydell, Anderson, commission, 130 Pearl St.
Weaver, E. H., ship brokers, 207 Long Wharf, New Haven, Conn.
Weber, William C., steamships, 82 Wall St.
Weekes, W. H., stevedore, Produce Exchange.
Weeks, F. H., ship brokers, 17 State St.
Weller, Alfred, commission merchants, 29 Broadway.
Wertheimer, Daniel, crude rubber, 66 Broad St.
White, Thomas H., consulting engineer and surveyor, 78-80 Broad St.
Whitman, Frank R., steamship repairs, Pioneer and Imlay Sts., Brooklyn.
Wienhold, Thomas H., shipping agent, 19 Beaver St.
Wild, George W., lumber inspector, Flemington, N. J.

Wilkinson, Thomas, ship chandlers, 26 Water St.
Willett, W. W., coal, 30 Church St.
Williams, R. H., coal, 1 Broadway.
Wilson, Percy R., lighterage; importers chalk, clay, etc., 91 Wall St.
Windmuller, Louis, commission, 20 Reade St.
Wing, S. Bryce, chemicals, 22 William St.
Winter, Henry P., bankers and commission, 64 Wall St.
Winters, George E., ship brokers, 21-24 State St.
Winters, Martin, traffic department, Pier 36, N. R.
Withey, W. H., Jr., lumber, 15 William St.
Wittenberg, William J., coal, 11 Broadway.
Wolcott, Albert J., lighterage, 30 South St.
Wood, Fern M., cotton seed products, 24 Broad St.
Woodruff, Albert C., storage, 100 Broad St.
Woodruff, Albert M., storage, 100 Broad St.
Woodward, Harry B., producers and mfrs. of petroleum, 17 Battery Place.
Worster, W. P., physician, 621 W. 179th St. and 78 Broad St.
Wreaks, Charles F., Av. adjusters and insurance brokers, 3 South William St.
Wrigley, Richard D., steamships, 11 Broadway.
Wurthmann, B. C., foreign freight, 8 Broadway.

Yordt, Lawrence, stevedore, 2 Coenties Slip.
Young, John Ward, steamship brokers, 21-24 State St.
Yule, William, shipwrights, 9 Summit St., Brooklyn.

Zimmermann, F. J., ship brokers, 8 Bridge St.



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American Dredging Co., dredging contractors, 510 Mariner & Merchant building.
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Atlantic Fruit & Steamship Co., The, fruit importers, 121 Walnut st.
Atlantic Refining Co., oil refiners, Point Breeze Oil Works.
Atlantic Transport Co., The, steamship agts., 408 Bourse bldg.

Bailey, E. H., & Co., custom house brokers, 406 Sansom St.
Bailey Co., John T., cordage, Tasker and Water sts.
Baird Co., David, spar makers, Delaware ave. & Pearl St., Camden, N. J.
Baizley Iron Works, The John, machinists, 514 S. Delaware Ave.
Baizley, John H., The John Baizley Iron Works, machinist, 514 S. Delaware Ave.
Baker Co., The Franklin, cocoanut importers, Delaware and Fairmount Aves.
Baker Transportation Co., transportation, 29 Broadway, New York City.
Baldi & Bros., C. C. A., steamship agents and bankers, 928 S. Eighth St.
Baldwin Locomotive Works, locomotive builders, 500 N. Broad St.
Ball, Joseph A., Spreckels' Sugar Refining Co., sugar refiners, Stock Exchange place.
Baltimore & Ohio Railroad Co., transportation, Bourse building.
Baltimore & Philadelphia Steamboat Co., Ericsson line, transportation, pier 3 South wharves.
Bank of North America, banking, 305 Chestnut St.
Barnes & Tucker Co., coal, 213 Harrison bldg.
Barratt, Wm. C., Earn-Line Steamship Co., steamship agents, 452-458 Bullitt building.
Barrett Manufacturing Co., coal tar distillers, etc., 1205 Land Title building.
Bartol, George E., merchant, 220 Bourse building.
Baugh & Sons Co., fertilizers, 20 S. Delaware Ave.
Beck, Jacob B., waterman, 2036 N. Howard St.
Bell & Sons, Samuel, flour, Central Trust bldg.
Bell Telephone Co. of Philadelphia, Thirteenth and Arch sts.
Bernard, Wm. E., B. & S. Transportation Line, pier 76 North wharves.
Berwind-White Coal Mining Co., coal miners and shippers, Arcade Bldg.
Biddle, Thos. A., & Co., bankers, 326 Walnut st.
Biddle, Paul, Miller & Jayne, lawyers, 505 Chestnut st.
Bie & Schiott, ship chandlers, 112 S. Second st.
Billington, Hutchinson & Co., insurance, 425 Walnut st.
Board of Underwriters of New York, John F. Fisher, agent, marine insurance interests, 545 Bourse Bldg.
Board of Underwriters of New York, F. C. Maull, Agt., marine insurance interests, Lewes, Del.
Boney, Morris, stevedore, 578 Drexel bldg.
Bonner, Jas. B., Carnegie Steel Co., 1614 Pennsylvania building.
Boyt, John T., consulting engineer, 432 Bourse building.
Bradley, Wm. J., American Dredging Co., 510 Mariner and Merchant building.
Breakwater Co., The, river and harbor improvements, Lafayette bldg.
Brown Bros & Co., bankers, Fourth and Chestnut Sts.
Buchey, J. J., & Co., custom house brokers, 421 Chestnut St.
Burbage, D. W., & Co., reporting and ordering agents, Lewes, Del.
Butler, H. L., & Co., ship supplies, 130 S. Second St.

Carnegie Steel Co., steel manufacturers, 1614 Pennsylvania building.
Castner, Curran & Bullitt, coal, 352 Bullitt building.
Central National Bank, banking, Lafayette Bldg.
Chandler, Frank M., Cramp's dry dock and marine railway, 546-48 Bourse bldg.
Clark, E. W., & Co., bankers, 321 Chestnut st.
Clark, Henry F., Mather & Co., marine insurance, 226 Walnut St.
Clarke, George, Supt., Kensington Shipyard Co., Beach & Palmer sts.
Clyde S. S. Co. of Maine, transportation, Pier 2, North Wharves.
Commercial Coal Mining Co., coal miners and shippers, 801 Arcade bldg.
Commercial List Publishing Co., publishers, 241 Dock st.

Consolidation Coal Co., Inc., The, coal miners and shippers, 1736 Land Title bldg.
Cook Cummer Steamship Line, transportation, 222 Lafayette Bldg.
Cook, Wm. E., The, Atlantic Refining Co., 3144 Passyunk ave.
Corcoran, J. A., contractor and stevedore, 1815 S. Broad st.
Corn Exchange National Bank, banking, Second and Chestnut Sts.
Cosmopolitan Shipping Co., The, J. A. McCarthy, Gen. Mgr., 619-622 Lafayette bldg.
Craig, John F., & Co., sugar brokers, 143 S. Front St.
Cramp, Charles H., Wm. Cramp & Sons S. & E. B. Co., ship builders, Beach and Ball sts.
Cramp & Sons, Ship & Engine Building Co., The Wm., ship builders, Beach and Ball Sts.
Crew-Levick Co., petroleum refiners, 2231 Land Title bldg.
Crookes, Benjamin P., provisions and ship supplies, 130 S. Second St.
Cummins & Co., A. D., ship brokers, 127 Walnut st.
Cuneo Importing Co., importers of bananas, Pier 10, North Wharves.
Curtin, W. W., Curtin & Brockie, insurance, Fourth and Walnut sts.
Curtin & Brockie, average adjusters and insurance, Fourth and Walnut sts.

Daly, Thomas A., business solicitor, 2633 S. Eighteenth st.
Dando Printing & Publishing Co., printers and publishers, 34 S. Third St.
Daniels, Samuel S., Commercial List Publishing Co., publishers, 241 Dock st.
Darrah & Elwell, ship supplies, 512 S. Delaware Ave.
Davis, Charles E., Jr., manager Red Star tugs, towing, 316 Walnut st.
Davis Coal & Coke Co., coal, 910 Land Title Bldg.
Delaware Insurance Co. of Philadelphia, The, fire and marine insurance, S. E. Cor. Third and Walnut sts.
Dempsey & Sons, barges and tugs 111 Walnut St.
Dialogue, John H., & Son, ship builders, Kaighn's point, Camden, N. J.
Dilkes, Geo. R., & Co., shippers and forwarders, 376 Drexel bldg.
Donaldson, Wm. J., barges, lighters and tugs, 109 Keystone Telephone building.
Dougherty & Sons, John, stevedores, 233 Dickinson St.
Drexel & Co., bankers, Chestnut and Fifth Sts.

Earn-Line Steamship Co., steamship agents, 452-458 Bullitt building.
Earnshaw, Geo. E., Earn-Line Steamship Co., 452-458 Bullitt building.
Ellison, J. B. & Sons, cloth importers, 24 S. Sixth St.
Emlen, George W., fire and marine insurance, 422 Walnut st.
Empire Coal Mining Co., coal miners and shippers, 418 Stephen Girard building.
Erie & Western Transportation Co., transportation, 26 S. Fifteenth St.
Erie Railroad Co., W. A. Wallace, agent, transportation, 411 Bourse bldg.

Farmers' & Mechanics' National Bank, banking, 427 Chestnut St.
Farwell, Chas. P., ship supplies, 330 S. Delaware ave.
Fergusson Bros., chemical importers, 109 Chestnut St.
Fidelity Trust Co., banking, 329-331 Chestnut St.
First National Bank, banking, 315 Chestnut St.
Fitler Co., The Edwin H., cordage, 23 N. Water St.
Fourth Street National Bank, banking, Bullitt building.
Franklin National Bank, banking, Broad and Chestnut Sts.
Franklin Sugar Refining Co., The, sugar refiners, Stock Exchange place.
Frazier, Geo. H., Franklin Sugar Refining Co., sugar refiners, 330 Chestnut St.
Frazier, W. W. Jr., Franklin Sugar Refining Co., Stock Exchange pl.
Furstenau, M. C., naval architect and marine surveyor, 308 Walnut st.

Gabriel, Joseph C., Atlantic Refining Co., 3144 Passyunk ave.
Gailey, Davis & Co., steamship agents and brokers, 316 Walnut st.
Gailey, Davis & Co., general agents, Red Star Tugs, towing, 316 Walnut st.
Gailey, Robt. J., Gailey, Davis & Co., 316 Walnut st.
Garvin, Archibald, with M. P. Howlett, stevedore, fish and oysters, 220 Walnut St.
General Chemical Co., chemicals, etc., 712 Lafayette building.
General Engineering Co., The, machinists, 764 Swanson st.
General Marine Insurance Co. of Dresden, marine insurance, 5-7 S. William St., New York City.
Girard National Bank, banking, 116 S. Third St.
Girard Point Storage Co., grain elevators and storage, 522 Bourse building.
Girard Trust Co., banking, Broad and Chestnut Sts.
Goucher, S. J., ship broker and lighterage, 206 Walnut place.
Grace, Dennis J., stevedore, 317 Tasker st.
Grace, John, & Son, stevedores, 319 Tasker St.
Graff & Son, L. G., grain exporters and merchants, 304 Bourse bldg.
Gramigna & Son, P., ship chandlers, 316 S. Second st.
Grandfield, W. J., steamship agent, 308 Walnut st.
Gring, Charles, towing and transportation, 308 Walnut St.
Grove, Henry S., The Wm. Cramp & Sons S. & E. Building Co., Beach and Ball sts.
Guarantee Trust & Safe Deposit Co., banking, 320 Chestnut St.
Gulf Refining Co., petroleum, 58th st. and Schuylkill River.

Haenn, George J., lumber and ship supplies, Point Breeze oil docks.
Hagan, Peter, Peter Hagan Co., Inc., towing and transportation, 218 Walnut St.
Hagar & Co., W. F., ship and freight brokers, 421 Chestnut St.
Hagar, W. F., W. F. Hagar & Co., ship and freight brokers, 421 Chestnut St.
Hahl, Charles C., transportation, 115 Walnut st.
Haig, Robert, surveyor to Lloyd's Register, 324 Bourse building.
Hallowell Co., Ltd., printers and publishers, 518-520 Ludlow st.
Halyburton, C., ship chandler and engineers' supplies, 217 Walnut St.
Halzell, Philip, importers' general agent, 35 S. Front.
Hamburg-American Line, marine transportation, 1334 Walnut St.
Hampton, J. W., Jr., & Co., custom house brokers, 606 Lafayette Bldg.
Hancock Grain Co., grain receivers and exporters, 353 Bourse Bldg.
Hand & Sons, John E., nautical instruments and compass adjusters, 222 Walnut St.

Hand, H. W., Wm. Cramp & Sons S. & E. Bldg. Co., ship and engine builders, Beach & Ball Sts.
Harlan & Hollingsworth Corporation, The, A. W. Christian, Agt., 526 Bourse bldg., ship yard and dry dock, Wilmington, Del.
Harmon, Ferdinand, towing, 135 S. Second st.
Harrison Bros. & Co., chemicals, paints, etc., Gray's ferry road.
Heller, Dr. H. D., state quarantine physician, 472 Bullitt bldg.
Hempstead & Son, O. G., steamship agents and custom house brokers, 41 South Fourth st.
Henson & Co., Edward F., lumber, 921 N. Delaware ave.
Hickman & Miller, Drs., physicians, 336 S. Second st.
Hite & Rafetto, coal, 722 Stephen Girard bldg.
Hitner's Sons Co., Henry A., iron and steel merchants, Huntington St. and Aramingo Ave.
Hogan, James, agent Cunard line, 1300 Walnut st.
Holland-America Line, steamship agts., 408 Bourse building.
Holton, J. S. W., Sterling Coal Co., coal miners and shippers, 421 Chestnut St.
Holzapfel's American Composition Co., paint manufacturers, 112 S. Second st.
Hough, Isaac & Co., sugar and commission, 201 Walnut st.
Howlett, M. P., stevedore, fish and oysters, 220 Walnut St.
Hueber, Henry, ship chandler, Marcus Hook, Pa.
Hughes, James E., towing, 115 Walnut St.
Hughes' Sons, A. S., towing, 115 Walnut St.
Hughes, Wm. J., with Morris Boney, stevedore, 578 Drexel Bldg.
Hyland, James, tailor, 701 S. Second st.

Independent Pier Co., E. Meyle, Gen. Mgr., Pier 34, South Wharves.
International Mercantile Marine Co., steamship agents, 408 Bourse building.
Island Creek Coal Sales Co., coal shippers, 1104 Land Title bldg.

Jessup & Moore Paper Co., paper manufacturers, 28 S. Sixth St.
Johnson & Higgins, average adjusters and insurance, Fourth and Walnut Sts.
Johnson, Emory R., professor in Wharton School, University of Penna., Logan Hall, University of Penna.
Johnson, Lawrence, & Co., shipping and commission merchants, 209 S. Third St.
Junk, Daniel J., lighterage, etc., 113 Walnut st.
Juragua Iron Co., iron ore importers, Morris bldg.

Kahn, H., clothing, 519 S. Fourth st.
Katz, Arnold, commission and steamship broker, 716 Walnut St.
Kerr, Alex., Bro. & Co., salt, Delaware Ave. and Green St.
Kerr, Wm. M., General Chemical Co., 712 Lafayette Bldg.
Kessel Co., Henry A., ship supplies, 12 N. Delaware Ave.
Keystone Coal & Coke Co., shippers of coal and coke, 116 Arcade building.
Keystone Plaster Co., plaster, Chester, Pa.
Koons, Wilson & Co., custom house brokers, 420 Sansom St.

Lauer, A. N., grain ceiler and contractor, pier 36 South wharves.
Lavino, E. J., importer, 470 Bullitt bldg.
Law, Ernest, & Co., iron and steel merchants, 516 Harrison building.
Lehigh Coal & Navigation Co., coal and transportation, 1018 Lafayette Bldg.
Lehigh Valley Railroad Co., transportation, 228 S. Third St.
Lewis, John F., admiralty lawyer, Lehigh bldg., 106 S. Fourth st.
Liberton, John W., Atlantic Refining Co., 3144 Passyunk ave.
Lippincott, J. B., Co., publishers, 227-231 S. Sixth St.
Lipshutz & Wurzel, steamship passenger agents, 614-16 Poplar St.
Logan Coal Co., coal miners and shippers, 505 Harrison Bldg.
Lovell, D. H., West Jersey & Seashore R. R. Co., transportation, Camden, N. J.

McAteer, John, ship chandler, 2916-2918 Richmond St.
McCahan Sugar Refining Co., The W. J., sugar refiners, 101 S. Front st.
McCall & Co., marine insurance and steamship brokers, 209 South Third St.
McCarthy, J. A., steamship agent, 622 Lafayette Bldg.
McCaulley, James, towing, 127 Walnut st.
McFadden, Geo. H., & Bro., cotton, 121 Chestnut St.
MacAndrews & Forbes Co., importers of licorice root, 111 Fifth Ave., New York.
Mather & Co., insurance, 226 Walnut st.
May, Jonathan, & Sons, ship supplies, 500 S. Delaware ave.
Megee, Chas. T., & Co., ship brokers, 135 S. Second St.
Merchants & Miners Transportation Co., Pier 18, South Wharves.
Meyle, E., wharfage, lighterage and ballast, pier 28, South Wharves.
Midvale Steel Co., steel manufacturers, Nicetown, Phila.
Mitchell, Wilson, grindstones, 605 N. Front St.
Morgan, Randal, yacht owner, United Gas Improvement Co. bldg.
Morrisdale Coal Co., The, coal, 808 Real Estate Trust bldg.
Moyn & Co., Ltd., master stevedores, 309 Drexel bldg.
Munn, F. W., towing, 311½ Walnut St.
Murphy, Alex., & Co., custom house brokers, 129 S. Fifth St.
Murphy, Cook & Co., stevedores, 470 Bourse bldg.
Murphy, D. J., Jr., stevedore, 470 Bourse bldg.
Murray, George R., towing, 119 Walnut St.
Mustin, Henry S., Atlantic Refining Co., 3144 Passyunk ave.

National Publishing Co., manufacturers and publishers, 241 S. American St.
New York Ship Building Co., ship builders, Fairview st. and Broadway, Camden, N. J.
Nolan, Frank, boatman, 525 S. Front st.
North America, Insurance Company of, fire and marine insurance, 232 Walnut St.
North American, The, newspaper, Broad and Sansom.
Nugent & Son, Joseph, stevedores, 421 Chestnut St.

Omerly, Geo., Hancock Grain Co., 353 Bourse Bldg.

Paxson Co., J. W., foundry supplies and equipment, moulding sand and shippers, pier 45 N. Wharves.
Peale, Peacock & Kerr, Inc., coal, 419 North American building.
Penn National Bank, banking, Market and Seventh.

Pennsylvania Coal & Coke Corporation, coal miners and shippers, 1633 Land Title bldg.
Pennsylvania Co., for Insurance on Lives and Granting Annuities, banking, etc., 517 Chestnut St.
Pennsylvania Railroad Co., transportation, Broad Street Station.
Pennsylvania Salt Manufacturing Co., chemicals, 115 Chestnut St.
Pennsylvania Steel Co., steel, 1800 Morris bldg.
Pennsylvania Sugar So., sugar refiners, 550 Real Estate Trust bldg.
Pennsylvania Warehousing & Safe Deposit Co., storage, 113 S. Third St.
Philadelphia & Gulf Steamship Co., steamship agents, Vine st. pier.
Philadelphia & Reading Railway Co., transportation, Reading Terminal.
Philadelphia, Baltimore & Washington Railroad Co., The, transportation, Broad St. station.
Philadelphia Board of Marine Underwriters, marine insurance interests, Main Floor, Bourse bldg.
Philadelphia Ceiling & Stevedoring Co., 456 Bourse bldg.
Philadelphia National Bank, banking, 421 Chestnut St.
Philadelphia Ship Repair Co., ship repairs, Mifflin St. wharf.
Philadelphia Ship Supply Co., George H. Lathbury, manager, ship chandlers and grocers, Passyunk ave. and Wolf st.
Philadelphia Warehouse Co., storage and banking, 235 Dock St.
Philadelphia Warehousing & Cold Storage Co., cold storage, Noble St. and Delaware Ave.
Pilots' Association for the Bay and River Delaware, The, Delaware river pilots, 319 Walnut st.
Potts, Wm. M., Wyebrooke, Chester Co., Pa.
Provident Life & Trust Co. of Philadelphia, The, banking, Fourth and Chestnut sts.
Pure Oil Co., petroleum, 812-14 Lafayette bldg.

Quigley, Wm. H., Quigley, Davis & Dorp, ship builder, Camden, N. J.

Record Publishing Co., publishers Philadelphia Record, 917 Chestnut St.
Reese, John, ship supplies, 217 Sansom St.
Riggs & Bro., nautical instruments, 310 Market St.
Ring, E. J., & Co., ship supplies, 112 Walnut St.
River & Harbor Improvement Co., dredging, 501 Mariner & Merchant building.
Roach, Walter T., International Mercantile Marine Co., 408 Bourse building.
Rochester & Pittsburg Coal & Iron Co., coal miners and shippers, 1022 Stephen Girard bldg.
Roma, Frank, steamship passenger agt., 925-27 S. 9th St.
Rosenbaum, M., steamship passenger agent, 605 S. Third St.
Rubelli, G. M., ship broker, 935-939 Drexel bldg.
Rubelli's Sons, L., ship brokers, 935-939 Drexel bldg.

Samuel, Frank, iron ore importer, 202-208 Harrison bldg.
Samuels, William S., Lloyd's agent and underwriters' surveyor, 335 Bourse Bldg.
Sellers, William, & Co., Inc., machinists' tools, 1600 Hamilton St.
Shaw, L. B., transportation and towing, 127 Walnut st.
Sheehan, Thos. J., wharfage, etc., pier 40, S. Wharves.
Sheehan & Son, Thomas J., stevedores, 2014 South Thirteenth st.
Simpson, Wm., Sons & Co., cotton goods, 248 Bourse building.
Smith, Chas., & Sons, bankers, 303 Chestnut St.
Smith, G. Edward, marine surveyor, British Corporation, 904 Provident bldg.
Sota & Aznar (V. de Ysasi, U. S. agent), iron ore mine owners and steamship owners, Arcade Bldg.
Southern Steamship Co., marine transportation, 608 Bourse Bldg.
Southern Transportation Co., freight transportation and towing, 607 Ranstead st.
Spreckels' Sugar Refining Co., Stock Exchange place.
Stannard, C. F., C. F. Stannard & Co., 241 Dock st.
Stannard, C. F., & Co., ship supplies, 241 Dock st.
Stannard Tow Boat Co., towing, 241 Dock st.
Steel, Edward T., & Co., woolens, 560 Bourse building.
Steelman, Z. S., ship broker, 127 Walnut St.
Sterling Coal Co., coal miners and shippers, 421 Chestnut St.
Stetson, David S., ship broker, 129 Walnut st.
Stetson, J. N., & Co., ship brokers, 325 Bourse bldg.
Stetson, John B., Co., hat manufacturers, 1754 N. Fourth St.
Strawbridge & Clothier, foreign department, department stores, Eighth and Market Sts.
Strawbridge & Clothier, department stores, Eighth and Market sts.
Sun Company, oil refiners, 904 Morris bldg.
Sutton & Vansant, coffee importers, 120 S. Front St.

Tattersfield Co., wool merchants, 32 Letitia st.
Taylor, Charles T., The Wm. Cramp & Sons S. & E. B. Co., Beach and Ball sts.
Taylor, John M., towing, Pier 34, South Wharves.
Taylor's Sons, Inc., Chas. M., steamship agents, 455 Bourse bldg.
Tilden, W. T., wholesale hair and wool importers, 254 N. Front st.
Todd, P. D., H. & A. Allan, 421 Chestnut st.
Tucker Stevedoring Co., lightering, 113 Walnut st.
Turner, Alfred, steamship agent, 337-339 Bourse building.

Union Petroleum Co., oil refiners and exporters, 135 S. 2nd st.
United Fruit Co., fruit importers, pier 5 North wharves.
United Gas Improvement Co., The, gas, Broad and Arch.

Vacuum Oil Co., 328 Chestnut st.
Vandegrift, F. B., & Co., custom house brokers, 400 Chestnut st.
Van Dyke, J. W., Atlantic Refining Co., 3144 Passyunk ave.
Van Rensselaer, Alexander, yacht owner, Eighteenth and Walnut Sts.

Walker, Charles L., towing, 113 Walnut st.
Wall, Harry M., towing, 110 Walnut st.
Warren, T. H., W. F. Hagar & Co., 421 Chestnut st.
Watkins Coal Co., coal miners and shippers, West End Trust Bldg.
Watson, R. J., United Fruit Co., importers, pier 5, N. Wharves.
Weaver, E. Forrest, Atlantic Refining Co., 3144 Passyunk ave.
Weaver, J. H., & Co., coal and coke, 731 Land Title building.
Webb, Elisha, & Son, steamship equipment and supplies, 136 S. Front st.
Weniger & Co., Hans, steamship passenger agents, 437 Arch st.
Wesenberg & Co., ship brokers, 305 Walnut st.
Westergaard, L., & Co., ship brokers, 138 S. Second.
Westmoreland Coal Co., coal miners and shippers, 224 S. Third st.

West Philadelphia Stock Yard Co., live stock, Thirtieth, above Market St.
Whitecar's Iron Works, Joseph, machinists and blacksmiths, 10 Pine St.
Whitney & Kemmerer, wholesale coal, 512 Stephen Girard Bldg.
Widener, P. A. B., yacht owner, 405 Land Title bldg.
Williams & Walton, insurance, 416-420 Walnut St.
Williamson, Alex. F., surveyor and appraiser, 416-20 Walnut st.
Williamson & Cassedy, railroad supplies, 526 Market.
Wilmington Steamboat Co., transportation, Wilmington, Del.
Wills, John, coal, 702-703 Pennsylvania bldg.
Winsor, Henry, & Co., steamship agents, 261 S. Fourth st.
Wittenberg, C. J., coal miner and shipper (Oscar T. Stager, manager, 627 Bourse bldg.), 11 Broadway, New York City.
Wolfinger, Henry J., 130 McKean st.
Stager, manager, 689 Bourse bldg.), 11 Broadway
Wood & Co., R. D., iron founders, 400 Chestnut st.

Young, P. F., manager, Atlantic Transport Co., American, Red Star and Holland-America Lines, 406 Bourse Bldg.

National Board of Steam Navigation.

A BODY OF VESSEL OWNERS AND MANAGERS REPRESENTING LARGELY RIVER CRAFT, AND ORGANIZED MAINLY FOR PROTECTION AGAINST UNWISE LEGISLATION.

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Doane Towboat Co., N. L. Doane, Mgr.
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Campbell's Creek Coal Co., S. F. Dana.
Hall's Towing Line, Thomas J. Hall.
Winifrede Coal Co., F. H. Stewart, Mgr.

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W. T. Cox, towing.
Drum Dry Dock, Thomas Drum, Manager.
N. J. Dry Dock & Trans. Co., Hon. P. J. Higgins, V. P.

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Frederica & Phila. Nav. Co., W. E. Davis, pres.

HARTFORD, CONN.

Whittelsey, Charles W., Marine Asst. Secy. Aetna Ins. Co.

HOBOKEN, N. J.

Hudson Towboat Co., Irving G. Keller, Mgr.
Tietjen & Lang Dry Dock Co., Frederick Lang.
W. & A. Fletcher Co., Andrew Fletcher, Jr.

JACKSONVILLE, FLA.

Peninsular & Occidental Steamship Co., C. L. Meyers, Gen. Mgr.
R. G. Ross, General Contractor.

JERSEY CITY, N. J.

Burt & Mitchell Co., Inc., W. W. Gearhart.
Miller, Alexander & Brother, Gordon Miller.
Taylor Dredging Co., W. H. Taylor.
Wortendyke, J. R. Co., H. Herbermann, Mgr.

JOPPA, ILL.

Browinski, James F., S. M. S. Frisco Lines.

NEWARK, N. J.

Passaic River Towing Line, Charles K. Taylor, Pres.

NEW BEDFORD, MASS.

New Bedford, Martha's Vineyard & Nantucket Steamboat Co., Chauncey G. Whiton, Agent and Treas.

NEWBURGH, N. Y.

Newburgh & Fishkill Ferry, Andrew Templeton, Supt.
T. S. Marvel Co., Shipbuilders.

NEW LONDON, CONN.

Thames Towboat Co., F. H. Chappell, Treas.

NEW ORLEANS, LA.

Coyle & Co., W. G., Transportation.
Wood, Elmer E., Agent, M. R. C. C. & C. Co.

NEW YORK, N. Y.

American-Hawaiian Steamship Co., W. D. Burnham, Mgr.
Atlantic Coast Steamship Lines, Southern Pac. Co., C. W. Jungen, Mgr.
Baltimore & Ohio R. R., J. H. Clark, A. S. F. E.
Barrett, E. E. & Co., towing.
Baxter Wrecking Co., John F. Baxter.
Beard Dredging Co., W. H., William Beard.
Ben Franklin Trans. Co., Penne Bros.
Berwind-White Coal Mining Co., E. J. Berwind.
Boyer's Sons Co., L., C. H. Boyer, Rep.
Bronx Towing Line, D. J. Conroy, Owner.
Brooklyn Eastern District Terminal Co., H. O. Havemeyer, Jr.
Bush Terminal Co., J. A. Nash, Vice Pres.
Bushy, Ire S. & Co., dry dock.

Cahill Towing Line, Peter Cahill.
Clark, John F., S. M. D. Lehigh Coal & Nav. Co.
Carroll, C. J., Supt. P. R. R. Ferries.
Carroll Towing Line, Eugene H. Carroll.
Catskill Evening Line, C. M. Englis.
Central Railroad Co. of N. J., C. L. Hollis, Supt. M. D.
Central-Hudson Steamboat Co., Herbert R. Odell, G. M.
Clark, R. S., M. L., N. Y., N. H. & H. R. R.
Cleary, W. E., lighterage.
Clyde Steamship Co., H. H. Raymond, V. P. & Gen. Mgr.
Coast Transit Co., Chas. S. Hahl, Gen. Mgr.
Conway, Wm. J., towing and transfer.
Cornell Steamboat Co., T. S. Coykendall, Pres.
Curtin, John, Inc., G. R. Burrows, Secy.

Dalzell & Co., Fred B., Towing and Trans., F. B. Dalzell.
Delaware, Lackawanna & Western R. R., J. M. Emery, M. M. D.

Egerton Towing Co., F. A. Egerton.
Eldridge, Albert B., Agent, Boston Tow Boat Co.
Empire Lighterage & Wrecking Co., M. W. Collyer.
Erie R. R. Tugs and Ferries, A. J. Grymes, M. M. D.

Flannery, John H., towing.
Flannery Towing Line, Thomas F. Flannery.
Foley, John F., admiralty lawyer.
Forst & Co., Norbert H., towing.
Fuller, Wm., Secy., John Curtin, Inc.

General Lighterage Co., H. K. Goetchius, Gen. Mgr.
Gillen's Sons Lighterage, Inc., Capt. Henry F. Gillen.
Gokey, W. J., dry dock.
Gulf Refining Co., James Kennedy, Supt. Trans.
Hammond, Geo. L. & Co., Chas. E. Flower, Secy.
Harms Co., C. F., Transportation.
Hartford & N. Y. Trans. Co., R. J. Noble, Gen. Mgr.
Hunter's Point Dry Dock Co., Robert A. Jensen, Supt.
Hudson River Day Line, E. E. Olcott, Pres.

Interstate Lighterage & Trans. Co., H. B. James, Secy. and Treas.
Iron Steamboat Co. of New Jersey, F. A. Bishop, Pres. and Gen. Mgr.

Jay St. Terminal, J. L. Carling, Gen. Agt.
Johnson, Eads, Agent N. Y. Shipbuilding Co.
Joyce, Henry L., Sec. and Treas. N. B. S. N.

Keeler Transportation Co., Elmer A. Keeler.

Lee, H. M., Lighterage.
Lehigh Valley R. R. Co., Floating Equipment, J. M. Cherry, Supt. Marine Equip.
Leyland, James, Supt. Old Dominion Line.
Long Island R. R. Floating Equipment, Henry L. Des Anges, Supt.
Luckenbach, Edgar F., Transportation, Coast Towing and Wrecking.

McAllister Bros., J. P. McAllister, Gen. Mgr.
McCaffery's Sons, Owen, G. F. McCaffery, Mgr.
McCaldin Bros., James McCaldin, V. P.
McCreery, Robert, Lighterage.
McGirr, E. F., Marine Contractor.
McWilliams Bros., Chas. E. McWilliams.
McWilliams, James, Blue Line, transportation.
Mackenzie, Augustus, Marine Insurance.
Mallory S. S. Co., H. H. Raymond, Gen. Mgr.
Manhattan Towing Co., C. T. Snyder.
Martin, F. A., G. M., Union Ferry Co.
Merritt & Chapman D. & W. Co., W. E. Chapman.
Middlesex Transportation Co., C. A. McCormick, Treas.
Montauk Steamboat Co., H. L. Des Anges, Supt.
Moore Co., John E., Edward M. Millard.
Moore, Harrison B. Jr., Marine machinery.
Moore, Jonathan, Dry Dock.
Moran Towing & Trans. Co., Eugene F. Moran.
Mutual Co., Towing Line, E. M. Timmins, Secy.

New England Steamship Co., H. O. Nickerson, Gen. Mgr., R. C. Scholz, A. G. M.
Newtown Creek Towing Co., Fredrick Russell, Pres.
New York & College Point Ferry Co., E. P. Foster.
New York Central & Hudson River R. R. Co., Walter B. Pollock, M. M. D.; Reginald Fay, Oper. Supt.; G. J. Eiseman, Supt. Repairs.
New York, Ontario & Western R. R., B. F. Hanfield, S. A. & S. E.
New York & Cuba Mail S. S. Co., Alfred G. M. Smith, V. P.
Norman, C. R., Tidewater Oil Co.

Ocean Steamship Co. of Savannah, W. H. Pleasants, V. P. & G. M.
Old Dominion Steamship Co., James Leyland, Supt.

Pareis Bros. Towing Line, towing.
Pennsylvania Railroad Co., D. C. Chase, Supt. S. T.
Phoenix Sand & Gravel Co., Frank Jacobus, Mgr.

Quintard Iron Wks., S. Taylor, V. Pres.

Red "D" Line, Bliss & Dallett Co., Agents.
Red Star Towing & Transportation Co., Wm. E. Barber, Agent.
Reichert Towing Line, J. C. Reichert, Owners.
Richmond & Bergeb Point Ferry Co., N. W. Bolen, Supt. Trans.
Riverside & Fort Lee Ferry Co., N. W. Bolen, Supt. Trans.
Robins Dry Dock & Repair Co., Wm. Todd, Pres.
Roger's Towing Line, Robert Rogers.

Schuyler & Cadell, Dry Dock.
Scully's Towing & Transportation Co., Hon. T. J. Scully, Owner.
Seaboard Transportation Co., Transportation.
Sears, Com. Walter J., Supt. Municipal Ferries.
Shamrock Towing Co., J. J. McGuirl, Treas. and G. M.
Shewan & Sons, James, dry dock.
Shortland Bros. Co., transportation.
Smith, Anning J., Excursions.
Standard Oil Co., lighterage dept., O. L. Hallenbeck, Asst. Manager.
Staten Island R. T. R. Co.'s Ferries, C. H. Kohler, Supt.
Staten Island Shipbuilding Co., W. J. Davidson, Pres.
Sterling, George W., F. T. M., Metropolitan S. S. Co.
Steers, Henry, Inc., G. J. Quaile, Supt. Trans.
Stewart, Charles R., Supt. M. D. Erie R. R.
Sullivan Co., John W., F. B. Sullivan.

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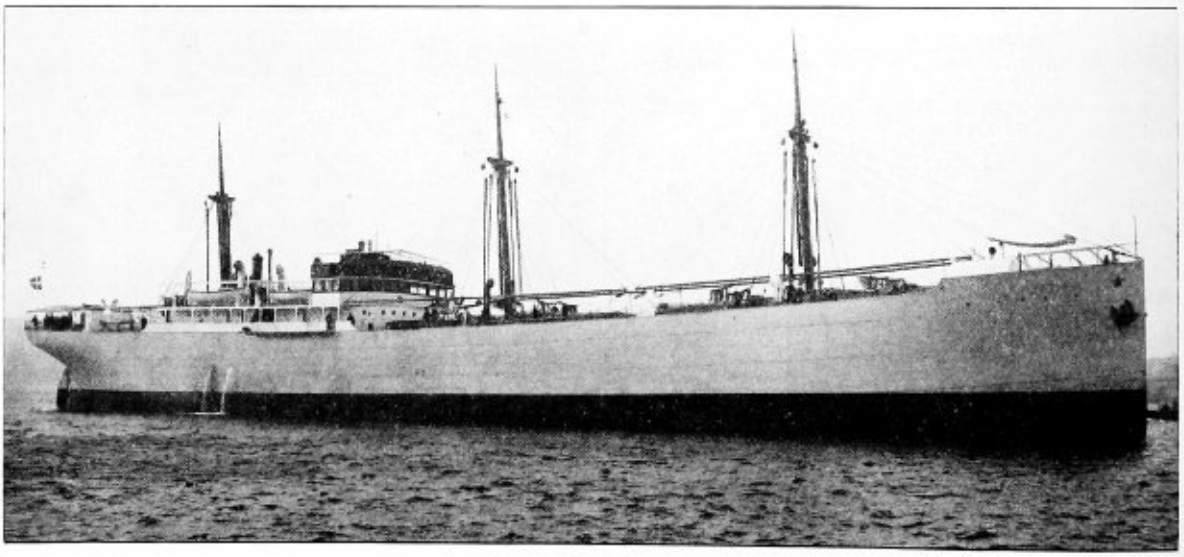
Scott Bros., Marine City, Mich.
Seattle Hardware Co., 819 First ave., Seattle, Wash.
Seeberg, Rolf, 58 S. Commerce St., Mobile, Ala.
Seeberg, Rolf, Gulfport, Miss.
Seeberg, Rolf, New Orleans.
Sejean & Mitchell Co., Scranton, Miss.
Shaw, Co., 37 Water st., New York.
Shaw, Mark, Trustee, 75 Front st., New York.
Shubert, Wm., 112 Walnut st., Philadelphia.
Siccardi, G., 109 Broad st., New York City.
Simpson & Co., Thos. I., 68 South st., New York.
Slover, Warren G. F., 30 South st., New York.
Smith Estate, F. A., Jersey City, N. J.
Smith, Hiram H., 105-7 Main st., Buffalo, N. Y.
Smith & Co., L. E., 221-223 Main st., Gloucester, Mass.
Snow & Co., I. L., 79 Mechanic st., Rockland, Me.
Snow & Nealley Co., 98-106 Broad st., Bangor, Me.
Solomon & Son, M. W., 1140 St. Charles st., New Orleans, La.
Somers, Filter & Todd Co., 327 Water st., Pittsburg, Pa.
So. Chicago Ship Chandlery Co., 160 Ninety-second st., So. Chicago, Ill.
Sparrows Point Store Co., 17 South Gay st., Baltimore, Md.
Stannard & Co., Chas. F., 241 Dock st., Philadelphia.
Steffens Co., H., 937 Fell st., Baltimore, Md.
Stockham, Sam F., 44 Pearl st., New York.
Stoneman & Son, M. G., 414 Broadway & Quay st., Albany, N. Y.
Struven & Wacker, 114 S. Frederick st., Baltimore, Md.
Sullivan & Co., C. K., 232 State st., Boston, Mass.
Sunde & Erland Co., Colman Dock, Seattle, Wash.
Swan, Wm. H., 32 South st., New York.
Swanton, Jameson Co., 105 Front st., Bath, Me.
Tampa Steam Ways Co., St. Petersburg, Fla.
Tarr, Wm. P., Gloucester, Mass.
Thompson, Thos. A., Key West, Fla.
Thompson, T. I., Owen Sound, Ont.
Thomson, T. I., 57 Poulett st., Owen Sound, Ont.
Thurlow & Son., B. T., 38 South st., New York.
Tobin & Son, R., 9 South st., New York.

Tompkins & Co., John W., 48 14th st., Hoboken, N. J.
Topky Bros., Ashtabula, O.
Topky & Brebner, Conneaut Harbor, O.
Topping Bros., 122 Chambers st., New York.
Uhler & Co., 7th st., cor K. st., Washington, D. C.
Uhler & English, 106 N. Delaware ave., Philadelphia.
Underhill Co., J. P., 49 Hudson st., Jersey City, N. J.
Union Fish Co., Railroad Wharf, Princetown, Mass.
Upson-Walton Co., 1310 W. 11th st., N. W., Cleveland, O.
Valley Supply Co., 201 to 205 Water st., Pittsburg, Pa.
Vane Bros., 912 S. Broadway, Baltimore, Md.
Vaughan, G. T., 59 Market st., Portsmouth, N. H.
Wallschlaeger Sons, J., 906 Washington st., Manitowoc, Wis.
Watson, Thos., 557 West 35th st., New York.
Weaver & Co., E. H., 207 Long Wharf, New Haven, Conn.
Webb & Son, Elisha, 135 S. Front st., Philadelphia, Pa.
Webster & Bros., N. W., 2204 Boston st., Baltimore.
Webster, Ford & Co., Boston st., Baltimore.
Weeks, Howe & Emerson, 31 Market st., San Francisco.
Wenz, A. E., Brunswick, Ga.
Western Repair & Supply Co., 61 Stewart ave., 40-42 East st., San Francisco, Cal.
Westminister Importing & Trading Co., 61 Front st., New York.
White & Case, 262 Main st., Rockland, Me.
Whitelaw Wrecking Co., 336 Main st., San Francisco.
Whiting & Co., Wm. H., 222 E. Pratt st., Boston.
Wilcox Co., M. I., 210 Water st., Toledo, O.
Wilkins, Jr., Geo. T., 1704 Thames st., Baltimore.
Williams, A. T., Provinceton, Mass.
Wilson & Co., Ltd., J. & R., 3 Jones lane, New York City.
Wilson & Crawford, 330 S. Delaware ave., Philadelphia Pa.
Wilson, Bailey & Co., 345 Water st., Pittsburg, Pa.
Wilson, Coltart & Co., 92 Pine st., New York.
Wilson, O. C. & K. R., 78 Dey st., New York.
Windmuller & Co., L., 16 N. Wells st., Chicago, Ill.
Wing & Co., J. T., 19 Woodward ave., Detroit, Mich.
Wing & Son, R. B., Albany, N. Y.
Winslow & Co., Albert, 95 Commercial st., Boston.
Winslow & Co., J. S., 135 Commercial st., Portland, Maine.
Winsmore, Thos., 123 Walnut st., Philadelphia.
Wolters-Batey Co., Manistee, Mich.
Woodward, Wight & Co., Ltd., 406 Canal st., New Orleans, La.
Woolford & Thomas, 914-6 Broadway, Baltimore, Md.
Young, Wm., 171 Lewis st., New York.
Zelius, A., 709-711 S. Palafox st., Pensacola, Fla.
Zimmerman Bros., Marine City, Mich.



MOTOR SHIP SUECIA

Great Lakes Vessels Whose Names Have Been Changed.

Str. Adiramled.....nee City of Fremont
Str. Agassiz, R. L.....nee Wm. A. Hawgood
Tug Apollo.....nee M. & M.
Str. Arcturus.....nee J. B. Wood
Str. Argus.....nee L. Woodruff
Str. Arizona.....nee City of Racine
Bge. Arthur (Can.).....nee G. C. Trumpff
Sch. Arthur.....nee D. P. Rhodes
Str. Atikokan (Can.).....nee J. B. Trevor
Str. Auburn.....nee Buffalo

Bge. Badger.....nee Whaleback 110
Bge. Baltic.....nee Grace Drummond
Bge. Baroness.....nee Whaleback 126
Str. Barth, L. L.....nee S. S. Wilhelm
Str. Batavia.....nee Whaleback 126
Str. Bath.....nee Sir Jos. Whitworth
Str. Bawating (Can.).....nee Str. Fortune
Str. Bay City.....nee Str. Colgate Hoyt
Str. Bay Port.....nee E. B. Bartlett
Str. Bay State.....nee J. L. Colby
Str. Bay View.....nee A. D. Thompson

Str. Bethlehem.....nee E. P. Wilbur

Str. Bickerdike.....nee Arabia

Str. Black Douglass (Can.)....nee D. D. Calvin
Str. Block, Joseph.....nee A. H. Hawgood

Bge. Bombay,.....nee Whaleback 107
Str. Bothnia (Can).....nee Jack
Bge. Brittania.....nee Whaleback 116
Str. Brownell, Geo. F.....nee Chemung

Str. Buell, F. R.....nee St. Louis

Str. Canada (Can).....nee Queen City
Str. Canopus.....nee Geo. H. Russel
Str. Carbray, Felix.....Str. John C. Gault

Str. Cepheus.....nee F. W. Gilchrist
Str. Cetus.....nee H. S. Sill

Str. City of Cheboygan.....nee Duluth
Str. City of Hamilton (Can).....nee Japan
Str. City of Meaford (Can).....nee Seamon
Str. City of Montreal (Can).....nee China
Str. City of Ottawa (Can).....nee India
Str. City of St. Ignac.....nee City of Cleveland
Str. City of the Straits.....nee City of Detroit

Str. Clarke, E. A. S.....nee H. C. Frick

Str. Conestoga .....nee Susquehanna
Str. Congdon, C. A.....nee Salt Lake City
Str. Congercoal (Can).....nee A. Weston
Str. Cooke, Delos W.....nee Starrucca
Str. Cort, Henry.....nee Pillsbury
Str. Corvus.....nee J. L. Weeks

Str. Crawford, G. G.....nee L. S. DeGraff
Stp. Crosby, E. G.....nee Naomi

Str. Culligan.....nee Str. Geo. T. Hope

Str. Cygnus.....nee J. C. Gilchrist

Dge. Dolphin.....nee Sch. Oak Leaf

Str. Eads, James B.....nee Globe
Str. Empress of Ft. William (Can) nee Mt. Stephen

Tug Fairmount.....nee Ben Campbell
Str. Filbert, Wm. J.....nee Wm. M. Mills
Str. Fleetwood.....nee W. H. Gratwick
Str. Flora .....nee Uranus
Str. Follette, James W.....nee J. H. Farwell
Str. Forest City (Can).....nee King Edward

Str. Franz (Can).....nee Uranus
Str. Frater (Can).....nee Saturn

Str. Gargantua (Can).....nee D. C. Whitney
Bge. Gladys H.....nee Aberdeen
Str. Graham, Geo. A.....nee Marina

Str. Hall, Henry B.....nee Iron Duke
Str. Havey, Hugh R.....nee J. C. Pringle
Str. Hazard, W. A.....nee John Schroeder
Str. Hill, Flora M.....nee Dahlia
Sch. Hossack.....nee Bertha Barnes
Str. House, Francis E.....nee Str. Wm. B. Kerr
Str. Hubbard, C. Russel...nee Henry A. Hawgood
Stp. Huron.....nee Darius Cole
Str. Hydrus.....nee R. E. Schuck

Str. Indus.....nee Lake Shore
Str. Ionic .....nee Cuba

Str. Jex, H. N.....Str. Frontenac

Str. Kenosha .....nee Madagascar

Tug Lafayette .....nee America
Str. Lakeland .....nee Cambria
Str. Lakeport .....nee Boston
Str. Lakewood .....nee Syracuse
Str. Langham .....nee Thomas Adams
Str. Leopold, N. F.....nee W. R. Woodford
Str. Lupus .....nee Gilchrist

Str. McCullough, John G.....nee S. C. Reynolds
Str. McLouth, S. C.....nee Rochester
Str. Major.....nee John Mitchell
Str. Meyer, F. A.....nee J. Emery Owen
C. F. Milwaukee.....nee Stp. M. M. & N. No. 1
Str. Minnekohta.....nee W. H. Gratwick
Str. Minnesota.....nee Str. Harlem
Str. Minnetonka .....nee Alva
Str. Morrison, Frank.....nee Lehigh
Str. Muskegon .....nee Peerless

Str. Naomi .....nee Wisconsin
Str. Neilson, J. B.....nee Washburn

Str. O'Day, Ellen A.....nee Rosseau
Str. Olcott (Can).....nee Lakeside
Str. Omega .....nee Fayette Brown
Str. Osborne, Chas. S.....nee Cheboygan

Str. Paipoonge (Can).....nee Corona
Str. Perseus .....nee F. J. Hecker
Str. Peters .....nee Jim Sheriffs
Str. Portland.....nee A. B. Wolvin
Tug Princeton .....nee Alpha
Str. Pringle, John C.....nee W. H. Gratwick

Str. Racine .....nee Argo
Str. Rapids Queen (Can).....nee Brockville
Str. Richardson, G. A.....nee Geo. J. Gould
Str. Roberts, John.....nee City of Rossford
Scp. Ryan.....nee Geo. W. Demmers

Str. Saronic (Can).....nee United Empire
Str. Senator Derbyshire.....nee Bermuda
Str. Sirius.....nee R. L. Ireland
Tug Smith.....nee Albert J. Wright
Tug South Shore.....nee Robert F. Burke
Str. Sowards (Can).....nee Rand
Str. State of New York.....nee City of Mackinac
Str. State of Ohio.....nee City of Alpena

Str. Taurus.....nee P. G. Walker

Str. Underwood, F. D.....nee Ramapo

Str. Wasaga (Can).....nee Wissahickon
Tug Web.....nee Geo. A. Floss
Str. Wisconsin.....nee F. & P. M. No. 1

Str. Yale .....nee Columbia
Str. Yonkers .....nee Milwaukee

Str. Zillah.....nee Edward Smith

Formerly	Now
Bge. Aberdeen	now Gladys H.
Str. Adams, Thomas	now Langham
Tug Alpha	now Princeton
Str. Alva	now Minnetonka
Tug America	now Lafayette
Str. Arabia	now Bickerdike
Str. Argo	now Racine
Sch. Barnes, Bertha	now Hossack
Str. Bartlett, E. B.	now Bay Port
Str. Bermuda	now Senator Derbyshire
Str. Boston	now Lakeport
Str. Brockville	now Rapids Queen (Can.)
Str. Brown, Fayette	now Omega
Str. Buffalo	now Auburn
Tug Burke, Robert F.	now South Shore
Str. Calvin, D. D.	now Black Douglass (Can.)
Str. Cambria	now Lakeland
Tug Campbell, Ben	now Fairmount
Str. Cheboygan	now Chas. S. Osborne
Str. Chemung	now Geo. F. Brownell
Str. China	now City of Montreal
Str. City of Alpena	now State of Ohio
Str. City of Cleveland	now City of St. Ignace
Str. City of Detroit	now City of the Straits
Str. City of Fremont	now Adiramled
Str. City of Mackinac	now State of New York
Str. City of Racine	now Arizona
Str. City of Rossford	now John Roberts
Str. Colby, J. L.	now Bay State
Str. Cole, Darius	now Huron
Str. Columbia	now Yale
Str. Corona	now Paipoonge (Can.)
Str. Cuba	now Ionic
Str. Dahlia	now **Flora M. Hill**
Str. DeGraff	now Geo. G. Crawford
Str. Denmers, Geo. W.	now Scb. Ryan
Bge. Drummond, Grace	now Baltic
Str. Duluth	now City of Cheboygan
Str. F. & P. M. No. 1	now Wisconsin
Str. Farwell, J. H.	now Follette
Tug Floss, Geo. A.	now Web
Str. Fortune	now Bawating (Can.)
Str. Frick, H. C.	now E. A. S. Clarke
Str. Frontenac	now H. N. Jex
Str. Gault, John C.	now Felix Carbray
Str. Gilchrist	nee Lupus
Str. Gilchrist, F. W.	now Cepheus
Str. Gilchrist, J. C.	now Cygnus
Str. Globe	now James B. Eads
Str. Gould, Geo. J.	now G. A. Richardson
Str. Gratwick, W. H.	now Fleetwood
Str. Gratwick, W. H.	now John C. Pringle
Str. Gratwick, W. H.	now Minnekohta
Str. Harlem	now Minnesota
Str. Hawgood, A. H.	now Joseph Block
Str. Hawgood, Henry A.	now Russel C. Hubbard
Str. Hawgood, Wm. A.	now R. L. Agassiz
Str. Hecker, F. J.	now Perseus
Str. Hope, George T.	now Culligan
Str. Hoyt, Colgate	now Bay City
Str. India	now City of Ottawa (Can.)
Str. Ireland, R. L.	now Sirius
Str. Iron Duke	now Henry B. Hall
Str. Jack	now Bothnia (Can.)
Str. Japan	now City of Hamilton (Can.)
Str. Kerr, Wm. B.	now Francis E. House
Str. King Edward	now Forest City (Can.)
Str. Lake Shore	now Indus
Str. Lakeside	now Olcott (Can.)
Str. Lehigh	now Frank Morrison
Tug M. & M.	now Apollo
Str. Madagascar	now Kenosha
Str. Marina	now George A. Graham
Str. Mills, W. M.	now Wm. J. Filbert
Str. Milwaukee	now Yonkers
Str. Mitchell, John	now Major
Str. M. M. & N. No. 1	now C. F. Milwaukee
Str. Mount Stephen	now Empress of Fort William (Can.)
Str. Naomi	now E. G. Crosby
Bge. 107	now Bombay
Bge. 110	now Badger
Bge. 116	now Brittania
Bge. 126	now Batavia
Bge. 126	now Baroness
Sch. Oak Leaf	now Dge. Dolphin
Str. Owen, J. Emery	now F. A. Meyer
Str. Peerless	now Muskegon
Str. Pillsbury	now Henry Cort
Str. Pringle, J. C.	now Hugh R. Havey
Str. Queen City	now Canada (Can.)
Str. Ramapo	now F. D. Underwood
Str. Rand	now Sowards (Can.)
Str. Reynolds, S. C.	now J. G. McCullough
Sch. Rhodes, D. P.	now Arthur
Str. Rochester	now S. C. McLouth
Str. Rosseau	now Ellen A. O'Day
Str. Russell, Geo. H.	now Canopus
Str. Salt Lake City	now C. A. Congdon
Str. Saturn	now Frater (Can.)
Str. St. Louis	now F. R. Buell
Str. Schroeder, John	now W. A. Hazard
Str. Schuck, R. E.	now Hydrus
Str. Seamon	now City of Meaford (Can.)
Str. Sheriffs, Jim	now Peters
Str. Sill, H. S.	now Cetus
Str. Smith, Edward	now Zillah
Str. Starrucca	now Delos W. Cooke
Str. Susquehanna	now Conestoga
Str. Syracuse	now Lakewood
Str. Thompson, A. D.	now Bay View
Str. Trevor, J. B.	now Atikokan (Can.)
Bge. Trumpff	now Arthur (Can.)
Str. United Empire	now Saronic (Can.)
Str. Uranus	now Flora
Str. Uranus	now Franz (Can.)
Str. Walker, Perry G.	now Taurus
Str. Washburn	now J. B. Neilson
Str. Weeks, J. L.	now Corvus
Str. Weston, A.	now Congercoal (Can.)
Str. Whitney, D. C.	now Gargantua (Can.)
Str. Whitworth, Sir Joseph	now Bath
Str. Wilbur, E. P.	now Bethlehem
Str. Wilhelm, S. S.	now L. L. Barth
Str. Wisconsin	now Naomi
Str. Wissahickon	now Wasaga (Can.)
Str. Wolvin, A. B.	now Portland
Str. Wood, J. B.	now Arcturus
Str. Woodford, W. R.	now N. F. Leopold
Str. Woodruff, L.	now Argus
Tug Wright, Albert J.	now Smith

Power and Pleasure Boat Builders of the United States and Canada.

*Also build gas and gasoline engines.

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*Adams Launch & Engine Mfg. Co., Penetang, Ont.
Albertson Construction Co., Greenport, L. I., N. Y.
Alden, John G., 27 Kilby St., Boston, Mass.
*Ambrose Machine Co., Eagle & Provost st., Brooklyn, N. Y.
American Boat & Machine Co., 3517-21 S. Second st., St. Louis, Mo.
Amundson, Gus, White Bear Lake, Minn.
Anchor Boat Co., Seattle, Wash.
Anderson Boat Co., Houghton, Wash.
*Anderson Boat & Engine Co., 142 W. North ave., Chicago.
Anderson, Chas. A., Wareham, Mass.
Anderson, Oscar, Norwalk, Conn.
Anderson, H., So. San Francisco, Cal.
Andrews, James, Oakville, Ont., Can.
Ashley, E. A., East Jordan, Mich.
Ashley & Cullinan, Centre Place, between Bay 43d and Bay 44th st., Gravesend Beach, Brooklyn, N. Y.
Atkin-Wheeler Co., Halesite, L. I., N. Y.
Atlantic Boat Co., Amesbury, Mass.
Atlantic Works, East Boston, Mass.
Attlboro, Chas. M., East Boston, Mass.
Auto Boat Co., West Mystic, Conn.
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Baker Yacht Basin, Inc., Quincy Point, Mass.
*Barker, C. L., Norwalk, Conn.
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Bath Marine Construction Co., Bath, Me.
Bath Iron Works, Bath, Me.
Bayles & Son, James M., Port Jefferson, L. I., N. Y
Bayonne Launch Co., E. 32nd st., Bayonne, N. J.
Beetle, Chas. D., East French ave., New Bedford, Mass.
*Bell, Albert, Engine Wks., Lock Box 64, Dunnsville, Ont.
*Benton, T. P. & Son, Front and Pearl st., La Crosse, Wis.
Bern, Arnold, Railroad ave., West Seattle, Wash.
Bigelow Mfg. Co. Lakeside ave. and Dearborn st., Seattle, Wash.
Bird, Carl, Saugatuck, Mich.
Bluff City Boat Co., Stillwater, Minn.
Bonney, John C. G., 21 Platt st., New York.
Borden & Son, C. A., Mt. Vernon st., Dorchester, Mass.
*Bosserdet Yacht & Engine Co., Detroit, Mich.
Bouch & Son, Jamestown, N. Y.
Bower, A. C., Waukegan, Ill.
Bowles & Sons, cor. D & India sts., San Diego, Cal.
Boyle, Jacob, West Lynn, Mass.
Brein Marine Works, Rock Island, Ill.
Brighton Boat & Supplies Co., Menasha, Wis.
Britt Bros., West Lynn, Mass.
*Brock Bros. Boat Co., Box 188, Beaumont, Texas.
Brooklyn Launch Works, Neptune ave. and W. 12th st., Coney Island, Brooklyn, N. Y.
Brooks Boat Mfg. Co., Saginaw, Mich.
Brown, C. F., Pulpit Harbor, Me.
Brown, John, Tarrytown, N. Y.
Brown & Sons, A. C., Tottenville, S. I., N. Y.
Bryan Boat Wks., 38 Walnut st., Wyandotte, Mich.
Buckeye Lake Boat Co., Millersport, O.
Buckhout, Geo. E., 11 Bellevue ave., Poughkeepsie, N. Y.
Bull Bros., 564 Averill Ave., Rochester, N. Y.
Bullock Elec. Mfg. Co., Cincinnati, O.
Burger, H. B., Manitowoc, Wis.
Burgess, W. Starling Co., Inc., 153 Milk st., Boston, Mass.
Butler, M. L., Brighton, Ont., Can.
Byles, Geo., City Island, N. Y.

Camden Anchor-Rockland Mch. Co., Camden, Me.
Campbell Bros., Railroad ave. and Lane st., Seattle, Wash.
Cape Cod Power Dory Co., Wareham, Mass.
Carleton Canoe Co., 700 Main st., Old Town, Me.
Carse Co., 767 San Fernando st., Los Angeles, Cal.
Casey, M. J. Co., New Bedford, Mass.
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Cayuga Motor Boat Co., Cayuga, N. Y.
*Central City Iron Wks., Stevens Point, Wis.
Chamberlain, Wm. H., 14 Orne st., Marblehead, Mass.
*Camden Anchor-Rockalnd Mch. Co., Camden, Me.
Charnock, C. S., Shadyside, Va.
Chase, J. C., Bronxville, N. Y.
*Chase Yacht & Engine Co., Providence, R. I.
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Church Boat Co., Trenton, Mich.
City Island Ship Building Co., City Island, N. Y.
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Cleveland Auto Boat Mfg. Co., 1038 River ave., N. W., Cleveland, O.
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Connecticut Construction Co., New Haven, Conn.
Cook, J. W., 145 W. Trenton st., Cleveland, O.
Cook & Lake, 4th ave., W., Seattle, Wash.
Cooly Mfg. Co., Waterbury, Vt.
Covington, W. H., 36 Union st., Plymouth, Mass.
Cramp & Sons Shipyards, Wm., Philadelphia, Pa.
Crescent Iron Wks., Inc., Norfolk, Va.
Crosby, Charles H., Osterville, Mass.
Crosby, Herbert F., Osterville, Mass.
Crosby, H. Manley, Osterville, Mass.
Crosby, Wilton, Osterville, Mass.
Crosby & Son, Daniel, Osterville, Mass.
Cryer, William, East Oakland, Cal.
Currier, Freeman B., 277 High st., Newburyport, Mass.
Cuthbert, A. G., Elston ave. and Wellington st., Chicago, Ill.

Dale, Wm. L., 123 River ave., Bronx, N. Y.
Darien Launch Wks., Darien, Conn.
Davis Boat Works Co., Sandusky, O.
Davis Bros., Warren, R. I.
*Davis Dry Dock Co., Kingston, Ont.
Davis, Jeremiah, Lock Box 337, Noank, Conn.
Dean, Walter W., 1751 Queen st., Toronto, Can.
DeFoe Boat & Motor Wks., Bay City, Mich.
DeGayne, P. G., Keewatin, Lake of the Woods, Ont., Can.

*Delaware River Iron Ship Building & Engine Works, Chester, Pa.
*Detroit Boat Co., Detroit, Mich.
*Detroit River Boat & Oar Co., Wyandotte, Mich.
Dingee, Jas., Mt. Dora, Fla.
Dingle Boat Wks., 421 Clinton ave., St. Paul, Minn.
Ditchburn Boat Mfg. Co., Ltd., The M., Gravenhurst, Ont., Can.
*Dodd Motor Co., Des Moines, Ia.
Dorchester Launch Co., Dorchester, Mass.
*Downs, Willard F., Bayshore, L. I., N. Y.
Drake & Wallace, St. Joseph, Mich.
Drein, Thos. & Son, Wilmington, Del.
Dubuque Motor Boat Ways, Dubuque, Iowa.
Dunphy Boat Mfg. Co., Eau Claire, Wis.
Duplex Roller Bushing Co., Belfast, Me.
*Dutton Engineering Co., Perth Amboy, N. J.
East Coast Marine Ry. Co., Eau Gallie, Fla.
*Eastern Launch Yard, 213th and 214th sts. and Harlem River, New York.
Eastern Boat Bldg. Co., Water st., Boston, Mass.
Echo Co., Tonawanda, N. Y.
Edson Boat Co., Skaneateles, N. Y.
Elbridge Engine Co., Rochester, N. Y.
*Electric Launch Co., Avenue A Station, Central R. R., Bayonne, N. J.
Elliott, Geo. F., Niagara st., Buffalo, N. Y.
Ely, Elmer A., Middletown, Conn.
Embree Bros., Quincy Point, Mass.
Embree & Son, H. W., Port Hawkesbury, Cape Breton.
Emmons, E. Gerry, 53-61 New Ocean ave., Swampscott, Mass.
Engelhardt Collapsible Life Boat Co., 305 Vernon ave., Long Island City, N. Y.
Everett-Hunter Boat Co., McHenry, Ill.
Excelsior Yacht, Launch & Engine Co., foot of Cooper st., Camden, N. J.

Fabre, Frank, ft. Battery st., Seattle, Wash.
*Fair Haven Launch & Boat Works, The, Fair Haven, N. J.
*Fay & Bowen Engine Co., Geneva, N. Y.
Fenton Co., David, Manchester, Mass.
Fellows Yacht & Launch Co., Joe, Wilmington, Cal.
*Fore River Ship Building Co., Weymouth, Mass.
Foss & Strome, Tacoma, Wash.
Frazer Hollow Spar & Boat Co., Greenspoint, Suffolk Co., L. I., N. Y.
Freeman, M. C., Boat Co., Fulton, N. Y.
Frisbee, A. J., Salem, Mass.
*Frisbie Motor & Mch. Wks., Middletown, Conn.

Gage & Schuchardt, Nyack, N. Y.
*Galveston Launch & Motor Co., Galveston, Tex.
*Gas Engine & Power Co., and Chas. L. Seabury & Co., Cons., Morris Heights, N. Y.
*Gasolene Engine Co., Ltd., Toronto Junction, Ont.
*Genesee Launch & Power Co., Rochester, N. Y.
*Georgian Bay Engineering Works, Midland, Ont.
Gidley Boat Co., Ltd., The, Penetang, Ont., Can.
Gille Boat & Engine Co., Ludington, Mich.
*Gillies Estate Co., John, Ltd., Carleton Place, Ont.
Gingras, Geo., Rockledge, Fla
Ginman Boat Co., Muskegon, Mich.
Goble Boat Co., Oswego, N. Y.
*Godshalk & Co., E. H., 23d and Hamilton sts., Philadelphia.
*Grand Rapids Gas Engine & Yacht Co., Grand Rapids, Mich.
Graves, James E., Marblehead, Mass.
Great Lakes Boat Bldg. Co., Elyria, O.
Great Lakes Boat Works, Detroit, Mich.
Greene Bros. Co, foot of Seaview ave., Bridgeport, Conn.
Greenport Basin & Cons. Co., Greenport, L. I., N. Y.
Greenwich Yacht Yard, Greenwich, Conn. (Joseph E. Montells.)
Greenwood Lake Launch Works, Sterling Forest, N. J.
Gulliford, Geo. A., 303 Eastern ave., Lynn, Mass.

Haines, H. M., Paynesville, Minn.
Hall, James W., Winslow, Wash.
Hall, L. H., Amesbury, Mass.
Hamilton Motor Wks., Ltd., 191 Barton st., E., Hamilton, Ont.
Hankscraft Co., Michigan Ave., Chicago, Ill.
Hanley, Charles C., Quincy Point, Mass.
*Harlan & Hollingsworth Corp., Wilmington, Del.
Harris Launch Wks., Box 233, Pekin, Ill.
Harrison Co., W. H., E. 178th st., Westchester, N. Y.
Harrison, R. W., No. Toledo, O.
Hay, Allan, Lynn, Mass.
Heckman, D. H., Kennebunkport, Me.
Heine Boat Co., Third st., Milwaukee, Wis.
Henley, Louis, Phoenix, N. Y.
Hepburn, J. W., Toledo, O.
*Herreshoff, Charles F., 718 Crescent ave., Bridgeport, Conn.
Herreshoff Mfg. Co., Bristol, R. I.
Hersom, Lewis, New Market, N. H.
Higgins & Gifford Boat Mfg. Co., Gloucester, Mass.
*Hildreth Motor Co., Lansing, Mich.
Hitchcock, Fred N., Titusville, Fla.
Hodgdon Bros., East Boothbay, Me
Hoffer Motor Boat Co., Vancouver, B. C., Can.
Holland Boat Co., Holland, Mich.
*Holmes Motor Co., West Mystic, Conn.
*Horton, L. L., Rochester, N. Y.
Howard Cruiser Works, Westfield, N. Y.
Howard Ship Yards Co., Jeffersonville, Ind.
Howland, A. C., Monument Beach, Mass.
Hunsader Mch. Co., John, Sturgeon Bay, Wis.
Huntington Mfg. Co., Main st., New Rochelle, N. Y.
Hurd, A. W., West Lynn, Mass.
Hurff, Benjamin, Pennsgrove, N. J.
Hyde Metal Boat Co., Fairbanks st., Watertown, N. Y.

Inland Lakes Boat Co., Lake Geneva, Wis.
*International Oil Engine Co., 38 Murray st., New York.
*International Power Vehicle Co., Stamford, Conn.
Iowa Marine Engine & Launch Works, Bellevue, Iowa.

Jackson Flotilla Co., Eau Claire, Wis.
Jacob, Robert, City Island, N. Y.
Jacobs & Son, N. A., 21 Cross st., Portland, Me.
Jacobsen, Chas. M., 238 Jefferson ave., Detroit, Mich.

Jesick Boat Co., Grand Rapids, Mich.
Johnson & Doerer, White Bear, Minn.
Jones & Laborde, Oshkosh, Wis.

Kanawha Boat Mfg. Co., Wellsburg, W. Va.
*Keidel & Co., Henry, Baltimore, Md.
Kennebec Boat & Canoe Co., Waterville, Me.
Kenyon, A. P., Marine City, Mich.
Kershaw-Williams Co., Haverhill st., Boston, Mass.
Kidney & Son, Dan, West DePere, Wis.
Kirk, W. P., Toms River, N. J.
Kitt, Gould, 6316 Linden ave., Seattle, Wash.

Klarmon, F., Tiburon, Cal.
*Lake Co., J. H., 28 So. Delaware ave., Philadelphia.
Lake Erie Dry Dock & Mill Co., Sandusky, O.
*Lamb Boat & Engine Co., Clinton, Ia.
*Lamont & Steers Engine Co, 1470 Jefferson ave., Detroit, Mich.
Lane & DeGroot Co., The, 305 Vernon ave., Long Island City, N. Y.
Langton Boat Mfg. Co., 2418 Addison st., Spokane, Wash.
La Point Boat Building Co., 124 Lakeside ave., Launch Exchange & Repair Co., Edgewater, N. J. Seattle, Wash.
*Lawley & Son Corp., Geo., Neponsett, Mass.
*Leighton, H. J., Syracuse, N. Y.
Lewis Boat Works, Oshkosh, Wis.
Lexington Motor Boat Co., Lexington, Ky.
Leyare Boat Works, Ogdensburg, N. Y.
Lindley Co., W. H., Canastota, N. Y.
Linnell, H. H., 287 Savin Hill ave., Boston, Mass.
Loring, George B., East Braintree, Mass.
*Lozier Motor Co., 1 Broadway, Dept. G., New York.
Luders Marine Construction Co., Port Chester, N. Y.
Lyman Boat Wks., foot of 40th st., N. E., Cleveland, O.

McCausland, Jefferson, Rondout Sta., Kingston, Ont.
McCoy Bros, Daytona, Fla.
McCreery, T. A., West Mystic, Conn.
McIntyre, James, Neponset, Mass.
McKeough & Trotter, Ltd., Chatham, Ont.
Madison Boat Co., Madison, Wis.
Manistee Skiff Co., Manistee, Mich.
Marblehead Yacht Yards, Marblehead, Mass. (Stearns & McKay.)
Marine Construction Co., Mariner Harbor, N. Y.
Marine Construction Co., Milwaukee, Wis.
Marine Engine & Supply Co., Los Angeles, Cal.
*Marine Iron Works, Tottenville, L. I., N. Y.
Marine Motor Boat Co., Tremont Bldg., Boston, Mass.
Martin, Ambrose J., Jeffries Point, East Boston, Mass.
Martin, Fred W., Waukegan, Ill.
Mather & Wood, Port Jefferson, L. I., N. Y.
Matthews Boat Co., Port Clinton, O.
Mathis Yacht Building Co., Coopers Point, Camden, N. J.
Mathisen Boat Co., Oshkosh, Wis.
Mattituck Boat Wks., Mattituck, L. I., N. Y.
Mauston Boat Co., Mauston, Wis.
Medart, Fred, 3535 DeKalb st., St. Louis, Mo.
Memphis Boat Co., Memphis, Tenn.
*Merrill-Stevens Engrg. Co., Jacksonville, Fla.
Michigan Steel Boat Co., Jefferson ave., Detroit, Mich.
*Michigan Yacht & Power Co., 1524 Jefferson ave., Detroit, Mich.
Miller Mfg. Co., Michigan City, Ind.
Miller & Co., Geo. H., Patchogue, N. Y.
Milton Boat Works, Rye, N. Y.
Milwaukee Yacht & Boat Co., Milwaukee, Wis.
*Model Gas Eng. Wks., Peru, Ind.
Monitor Boat & Engine Co., Newark, N. J.
Montells, Joseph E., Greenwich, Conn. (Greenwich Yacht Yard.)
Moore Boat Works, Wayzata, Minn.
Moore, C. Frank, Congress st., Boston, Mass.
Morris, Geo. C., Holly Oak, Del.
Morristown Boat & Engine Works, Morristown, N. Y.
Mullins Co., The W. H., Salem, O.
*Murray & Tregurtha Co., 340 West First st., S. Boston, Mass.

Nassau Ship Yard, Bayville, L. I., N. Y.
Narragansett Bay Yacht Yard, Riverside, R. I.
*Neafie & Levy Ship & Engine Building Co., Philadelphia, Pa.
Neumeister, Fred P., Rockford, Ill.
Newport Ship Yard, Newport, R. I.
*New York Yacht, Launch & Engine Co., Morris Heights, N. Y.
*New York Kerosene Oil Engine Co, 31 Burling Slip, New York.
Niagara Motor Boat Co., 100 Sweeney st., N. Tonawanda, N. Y.
Nicholls Bros., Ltd., foot of York st., Toronto, Ont.
*Nielsen, C I. & Gallahan, Bay 44th st., Gravesend Beach, Brooklyn, N. Y.
Nilson Yacht Bldg. Co., Baltimore, Md.
Nock Co., Frederic S., E. Greenwich, R. I.
N. & S. Electric Co., N. & S. Landing, Seattle, Wash.

Oades, Walter H., Detroit, Mich.
Oconomowoc Boat Co., Oconomowoc, Wis.
*Ofeldt & Sons, F. W., Nyack-on-the-Hudson, N. Y.
Olsen-Ainsworth Co., 412 No. Franklin st., Madison, Wis.
Ormond Co, H. C., P. O. Box 298, Havre De Grace, Md.
Osborn, William R., Croton, N. Y.
Outing Boat Co., Ashland, Wis.
Outing Boat Co., Kankakee, Ill.

Palmer Boat Co., Fontana, Wis.
Palmer Boat Co., Highland Park, Ill.
*Palmer Bros., Cos Cob, Conn.
Palmer & Son Ship Building & Marine Railway Co., Robert, Noank, Conn.
Parsons Ship Building Co., Greenwich Piers, N. J.
Partelow Boat & Canoe Co., Chas. M., Medford st., Charleston, Mass.
Patterson Boat Works, Point Pleasant, Ky.
*Pearson Boat Construction Co., Duluth, Minn.
Pendleton, F. F., Wiscasset, Me.
Penn Yan Boat Bldg. Co., Penn Yan, N. Y.
Penobscot Bay Boat Co., New Haven, Conn.
Peo & Co., L. L., Cape Vincent, N. Y.
Peoria Boat Mfg. Co., 123 So. Water St., Peoria, Ill.
*Perkins Launch & Motor Co., Gloucester, Mass.
Perrine, J. H., Barnegat, N. J.
Petersborough Canoe Co., Petersborough, Can.
Petersen, Julius, Nyack, N. Y.
Petersen, P., foot Gordon st., Perth Amboy, N. J.
Phinney, W. W., Monument Beach, Mass.
Pioneer Boat & Pattern Co., Bay City, Mich.
*Pitt & Lienhardt, W., 213th and 214th Sts. and Harlem River, New York.
Poillon, C. & R., ft. Court st., South Brooklyn, N. Y.
*Polson Iron Works, Toronto, Ont., Can.
Pope Boat Co., Fond du Lac, Wis.
*Portage Boat & Engine Co., Portage, Wis.
Portelow, C. M., Mayors Wharf, E. Boston, Mass.
Poulliot Boat Co., Jefferson & Belvidere Aves., Detroit, Mich.
Powell's Cove Boat Co., College Point, L. I., N. Y.
*Pusey & Jones Co., Wilmington, Del.

Racine Boat Co., Racine, Wis.
Racine Truscott Shell Lake Boat Co., Shell Lake, Wis.
Ramaley Boat Bldg. & Nav. Co., Red Wing, Minn.
*Rasmussen, Harry, Essington, Pa.
*Raspberry Island Boat & Engine Wks, St. Paul, Minn.
Read Bros., Fall River, Mass.
Reade Boat Co., Detroit, Mich.
Read, D. C., Chaumont, N. Y.
Reardon, M. F., Canarsie, L. I., N. Y.
*Red Wing Motor Co., Red Wing, Minn.
Rehder Boat Works, Bay View, Idaho.
Reiter Boat Mfg. Co., S. J., 3033-39 Monroe st., Toledo, O.
Reliance Motor Boat Co., 17 Battery Place, New York City.
Renaud Boat Works, M., 1300 Jefferson Ave. W., Detroit.
Rieboldt, Wolter & Co., Sturgeon Bay, Wis.
Rhinelander Boat Co., 251 Kemp st., Rhinelander, Wis.
*Rice Bros Co., East Boothbay, Me.
*Rice, Jr., & Co., John V., Bordentown, N. J.
Richardson, G. R., No. Tonawanda, N. Y.
Rippley Steel Boat Co., Grafton, Ill.
Roberts & Ripley, Augusta, Me.
Robertson Bros., foot of Bay st, Hamilton, Ont.
Robins Co., John N., Erie Basin, South Brooklyn, N. Y.
Rochester Steam Motor Works, Rochester, N. Y.
*Rockaway Motor Co., Rockaway Beach, L. I., N. Y.
Roehr Boat Works, O. L., Rockaway Park, L. I., N. Y.
Rose, Capt. W. B., Wakefield, R. I.
Ross Boat & Canoe Co., J. H., Orillia, Ont.
Rossiter & Co., Chas. S., foot Montgomery st., Baltimore, Md.
Ruddock Boat & Yacht Works, N. T., Harlem River, New York City.
Ryan, Geo. D., 45 Boyd st., Oshkosh, Wis.

*Safford Mfg. Co., W. F., Westerly, R. I.
St. Lawrence Yacht Co., Dorval, Que., Can.
*St. Louis Boat & Eng. Co., 3608 S. Main St., St. Louis, Mo.
St. Paul Boat Co., St. Paul, Minn.
Sanders, E M., foot of K. st., near 1st st., So. Boston, Mass.
Sargent, Arthur L., Sedgwick, Me.
Saunders, Stillman, Saunderstown, R. I.
Savannah Boat Works, Savannah, Ill.
*Schaefer, W. E., Ripon, Wis.
Schertzer Bros., Madrona Park, Seattle, Wash.
*Schofield-Holden Mch. Co., 14 Court st., Toronto, Ont.
Schweikart Boat Wks., 1922 Jefferson ave., Detroit, Mich.
Seaman Motor & Launch Works, Long Branch, N. J.
Shadegg Boat & Engine Co., J. C., 315 South 3rd St., Minneapolis, Minn.
Sharpstown Yacht Building Co., Sharpstown, Md.
Shell Lake Boat Co., Shell Lake, Wis.
Sherman, E. M., Brooklin, Me.
Sherman, F. W., 16 Exchange st., Buffalo, N. Y.
Shiverick, George W., Kingston, Mass.
Shuck, Jas. M., 1160 South Main St., Los Angeles, Cal.
Skaneateles Boat & Canoe Co., Skaneateles, N. Y.
Smith, F. C., Fairhaven, Mass.
Smith, Gilbert M., Patchogue, L. I., N. Y.
Smith, Howard, Wanakena, St. Lawrence Co., N. Y.
Smith Co., John P., foot Third ave., Nyack, N. Y.
Smith Yacht Wks., Essex, Conn.
*Smith & Co., C. C., Algonac, Mich.
*Smith & Mabley Inc., Broadway and 56th st., New York City.
Smith-Ryan Boat & Eng. Co., Algonac, Mich.
Solheims Launch Wks., Great Kills, L. I., N. Y.
*Sparks Machine Co., C. F., Alton, Ill.
*Stamford Motor Co., Stamford, Conn.
Standard Launch Co., Vallejo, Cal.
*Standard Motor Construction Co., 172 Whiton st., Jersey City, N. J.
Stearns & McKay, Marblehead, Mass. (Marblehead Yacht Yard.)
Stevens Bros., Stockton, Cal.
Stevens, Clarence E., Clinton, Conn.
Stillman & Truitt, Chillicothe, Ill.
Stone Boat Mfg. Co., Ltd., J. W., Kenora, Lake of the Woods, Ont.
St. Joseph Boat Mfg. Co., St. Joseph, Mich.
St. Paul Boat Works, West End Roberts St. Bridge, St. Paul, Minn.

*Stuart Co., John, Wollaston, Mass.
Sturgeon Bay Boat Mfg. Co., Sturgeon Bay, Wis.
Sunset Boat Co., Occidental ave., Seattle, Wash.
Susquehanna Marine Works, Havre De Grace, Md.
Swanson, P., Belvidere, Cal.
Swartman, C. J., Waubaushene, Ont.
Sweat, W. W., Tampa, Fla.
Sydney Boat & Motor Mfg. Co., Ltd., Sydney, C. B.
*Sylvester Mfg. Co., The, Lindsay, Ont.
Syracuse Boat Works, Syracuse, N. Y.

Tarrytown Boat Works, Tarrytown, N. Y.
Thames Tow Boat Co., New London, Conn.
Thomas Stone Boat Building Co., Inc., 535 Humphrey st., Swampscott, Mass.
Thousand Island Boat & Engine Co., Morristown, N. Y.
Tolman & Redding, Camden, Me.
*Toppan Boat Mfg. Co., 9 Haverhill st., Boston, Mass.
Tredgoing, Frank, N. & S. Landing, Seattle, Wash.
Trott, C., Kennebunkport, Me.
*Truscott Boat Mfg. Co., St. Joseph, Mich.
Turnbull Marine Co., Turnbull st., New London, Conn.
Tuthill & Higbee, Greenport, L. I., N. Y.
*Tuttle Co., D. M., Canastota, N. Y.
Twiggs & Son Co., John, Illinois st., near 18th st., San Francisco, Cal.

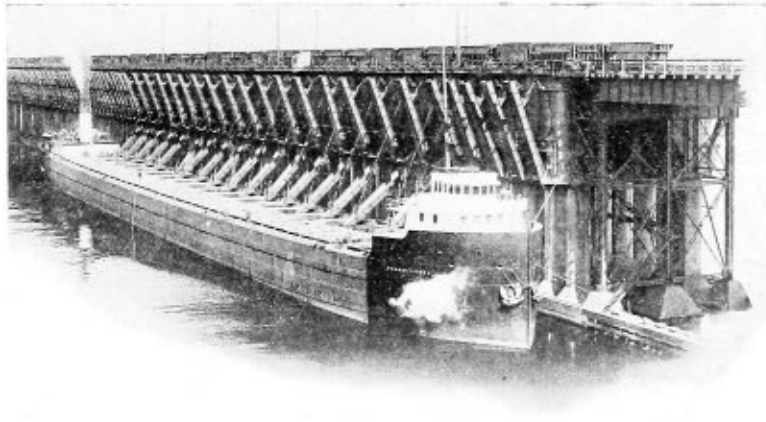
Ultra Motor Co., New Haven, Conn.
Union Iron Works, Philadelphia, Pa.
United States Engrg. Corps, Keokuk, Ia.
*United States Auto. Boat Co., 200 Broadway, N. Y.

Valley Boat & Engine Co., Saginaw, Mich.
VanDyke & Son, J. P., Vancouver, B. C., Can.
Vansant, Stanley C., Atlantic City, N. J.
*Vaughn Bros., Beach & North sts., Camden, N. J.
Vehstedt, H. B., 4627 Langley ave., Chicago, Ill.
Vinyard Ship Bldg. Co., Milford, Del.
Von de Worth, W. H. & E., Belment st., Portland, Ore.

Wallin's Sons, R., Bensonhurst, L. I., N. Y.
Waltham Boat & Canoe Co., Waltham, Mass.
Ward Engrg. Works, Chas., Charleston, W. Va.
Ward, Albert E., Highbridge, New York.
Ward & Sons, Seattle, Wash.

*Watkins Mfg. Co., Baymiller & 6th st., Cincinnati, O.
Webber, Thomas R., New Rochelle, N. Y.
Weckler Boat Co., Irving Park Blvd., Chicago, Ill.
Weir, James, Hamilton, Ont., Can.
Weller's Sons, Hiram, Trenton, N. J.
West Mystic Boat Co., West Mystic, Conn.
Western Launch Wks., W., 210th st. and Harlem River, New York.
*Western Launch & Engine Works, Michigan City, Ind.
White & Co., E. M., Old Town, Me.
White, Thomas L., Manchester, Mass.
Wicks & Co., S. C., Patchogue, L. I., N. Y.
Wiggins, Jas., River front, Delair, N. J.
Wignall, Jas. H., Beach and Vienna sts., Philadelphia, Pa.
Willard & Co., C. P., Winthrop Harbor, Ill.
Williams Boat & Launch Works, L. R., Long Branch, N. J.
*Williams, S. J., Norfolk, Va.
Winona Mch. & Boat Co., Winona, Minn.
Winterburn, E. J., Elizabeth, Pa.
Wise & Sons Boat Wks., Wayzata, Minn.
Wood & McClure, City Island, N. Y.
Wood, Wm M., Marion, Mass.
Wright, U. G., Paulsboro, N. J.
Wright Bros., 327 York st., Newport, Ky.

*Yacht, Gas Engine & Launch Co., The Bourse, Philadelphia, Pa.
Young, Edgar, Atlantic City, N. J.



STR. THOS. LYNCH AT GREAT NORTHERN ORE DOCK

Marine Gas and Gasoline Engine Builders of the United States and Canada.

Note—See list of Power and Pleasure Boat Builders, on pages 283-287 for additional names and addresses of gas and gasoline engine builders.

Acadia Gas Eng. Co., Ltd., Bridgewater, N. S., Can.
Adams Launch & Mfg. Co., Penatang, Ont., Can.
Advent Mfg. Co., Park st., Syracuse, N. Y.
Alamo Mfg. Co., Hillsdale, Mich.
Alexander & Cox, Ogden and Western aves., Chicago.
Alpha Motor & Fdy. Co., Detroit, Mich.
American Blower Co., Detroit, Mich.
American & British Mfg. Co., Bridgeport, Conn.
American Die & Tool Co., Reading, Pa.
American Engine Co., Detroit, Mich.
American Mfg. Co., Portland, Me.
American Motor Co., Eau Claire, Wis.
American Oil Engine Co., Danielson, Conn.
Amplex Motor Car Co., Mishawaka, Ind.
Anderson & Co., Carl, Huron and Kingsbury sts., Chicago, Ill.
Anderson Engine Co., Shelbyville, Ill.
Anderson Motor Co., Anderson, Ind.
Antoinette Motor Co., Providence, R. I.
Armac Motor Co., 472 Carroll ave., Chicago.
Arrow Engine Works, Boydell bldg., Detroit, Mich.
Astoria Iron Works, Astoria, Ore.
Atlas Engine Co., San Francisco, Cal.
Atwood Motor Works, Stonington, Conn.
Aurora Automatic Mch. Co., 1307 Michigan ave., Chicago, Ill.
Auto Engine & Supply Co., Fort Madison, Ia.
Auto Engine Wks., St. Paul, Minn.
Automatic Machine Co., Bridgeport, Conn.
Automatic Mch. & Tool Co., Water and Jefferson sts., Toledo, O.

Babcock, A. H., Spring Lake, Mich.
Bachmann, G. A., N. Calvert st., Baltimore, Md.
Baird Machine & Mfg. Co., Detroit, Mich.
Baker Machine Co., Atlantic st., San Diego, Cal.
Barber Bros., 500 E. Water st., Syracuse, N. Y.
Barker, C. L., Norwalk, Conn.
Bauer Bros., 1918 Light st., Baltimore.
Bay State Motor Works, 580 A. East st., Holyoke, Mass.
Beaver Mfg. Co., 237 Oregon st., Milwaukee, Wis.
Beilfuss Motor Co., Lansing, Mich.
Belcher Motor Co., Bayliss st., Fall River, Mass.
Benton Elec. Co., Pearl st., La Crosse, Wis.
Bevier Gas Engine Co., Kalamazoo, Mich.
Black Rock Mch. Co., Hancock Ave., Bridgeport, Conn.
Blount & Lovell, High st., Boston, Mass.
Bock & Co., H. F., Antioch, Ill.
Boothbay Gas Engine Co., E. Boothbay, Me.
Bowles & Sons, cor. D & India sts., San Diego, Cal.
Bosserdet Yacht & Engine Co., Detroit, Mich.
Boulevard Engine Co., 2932 Olive St., St. Louis, Mo.
Bradford Motor Wks., Bradford, Pa.
Brennan Motor Mfg. Co., Syracuse, N. Y.
Bridgeport Motor Co., Bridgeport, Conn.
Briggs & Wade, Lynn, Mass.
Brill Gas Engine Wks., Appleton, Wis.
Britt Bros., W. Lynn, Mass.
Brooks Mfg. Co., Saginaw, Mich.
Brown & Andrews Motor Co., Box 254 Stonington, Conn.
Brown, Cochrane Co., Lorain, O.
Brown-Collins Gas Eng. Co., Hartford, Conn.
Brown Gas Engine Co., B. F., 412 Warren St., Schenectady, N. Y.
Brown Motor Co., Syracuse, N. Y.
Brown-Talbot Co., 19 Oakland st., Salem, Mass.
Brownell Motor Co., F. A., Lexington ave., Rochester, N. Y.
Bruns, Kimball & Co., Liberty st., New York City.
Bucksport Launch & Engine Works, Bucksport, Me.
Buffalo Gasolene Motor Co., 1280 Niagara st., Buffalo.
Burlington Boat & Engine Co., Burlington, Ia.
Burnett Fdy. Mch. Works, Ltd., Petoskey, Mich.

Cady Co., C. N., Canastota, N. Y.
Caille Perfection Motor Co., 1338 Second ave., Detroit, Mich.
Caldwell, W. G. & Co., Chicago Heights, Ill.
California Motor Works, E. Channel st., Stockton, Cal.
Camden Anchor-Rockland Machine Co., Rockland, Me.
Campbell Motor Co., Wayzata, Minn.
Canadian Gas Power & Launches, Ltd., 145 Dufferin st., Toronto, Ont., Can.
Capital Gas Engine Co., Indianapolis, Ind.
Carl Engine Works, 11th & Glenwood ave., Philadelphia, Pa.
Carlisle-Johnson Mch. Co., Manchester, Conn.
Carlson Motor & Truck Co., 485 Sterling pl., Brooklyn, N. Y.
Cascaden-Vaughan Co., Waterloo, Ia.
Cavanaugh & Darley, Randolph and Canal sts., Chicago.
Central Mch. & Fdy. Co., Marion, Ind.
Chadwick Engine Works, 254 N. Broad St, Philadelphia, Pa.
Chapman Engine Wks., Marcellus, Mich.
Chase Machine Co., 111 Elm st., Cleveland, O.
Champaign Bros., Ithaca, N. Y.
Chapman Motor Mfg. Co., Stonington, Conn.
Cherington Mfg. Co., Waukegan, Ill.
Chicago Pneumatic Tool Co., Fisher bldg., Chicago, Ill.
Christensen Engrg. Co., 30th st., Milwaukee, Wis.
Clark Mfg. Co., Fond du Lac, Wis.
Clay & Co., E. H., Cleveland, O.
Clifton Motor Works, 230 E. Clifton st., Cincinnati, O.
Clinton, Walter R., W. Haven, Conn.
Clipper Lawn Mower Co., Dixon, Ill.
Close, Chas. T., 108 Main St., La Crosse, Wis.
Coleman & Sons, Walter, 300 S. Water St., Providence, R. I.
Columbia Engine Co., Jefferson ave., Detroit, Mich.
Columbia Motor Works, Cincinnati, O.
Columbus Screw & Mch. Co., 244 Kaiser st., Columbus, O.
Combustion Engine Power Co., Boston, Mass.
Comet Motor Works, Jackson Blvd., Chicago, Ill.
Concrete Form & Engine Co., Detroit, Mich.
Continental Engine Co., Michigan ave., Chicago, Ill.
Continental Motor Mfg. Co., Muskegon, Mich.
Cook Engine Co., Cambridge, Ill.
Cooley Mfg. Co., Waterbury, Vt.

Cooper Co., Ltd., Sherman, Eastern ave., Toronto, Ont., Can.
Corliss Gas Engine Co., California st., San Francisco, Cal.
Craig, Jas., Jr., 556 W. 34th st., New York.
Cross Engine Co., M. O., Bellevue ave., Detroit, Mich.
Crouch, Chas. P, Co., Chicago, Ill.
Cushman Motor Co., Lincoln, Neb.

Dalfond, O., cor. Mulberry and Spring sts., Fall River, Mass.
Dean Mfg. Co., Newport, Ky.
De Gamble Motor Co., Anderson, Ind.
Delaware Mch. Wks., N. W., cor. Front and Orange sts., Wilmington, Del.
Delaware River Corp., Chestnut st., Philadelphia, Pa.
DeLong Engine Co., Rochester, N. Y.
De Montmagny La Cie Mfg. Co., Montmagny, Que., Can.
De Mooy Bros., E. 55th st. and Hough ave., Cleveland, O.
Detroit Engine Wks., 1256 Jefferson ave., Detroit, Mich.
Dieter Steam Engine Co., 106 Liberty st., New York.
Dischinger, Jos. A., Tonawanda, N. Y.
Dissinger & Bro., C. H. A., Wrightsville, Pa.
Doak Gas Engine Co., San Francisco, Cal.
Dodge Engine Co., Atlantic ave., Boston, Mass.
Doman Co., H. C., Oshkosh, Wis.
Draper & Hall Co., Middletown, Conn.
Duff & Co., R. E., Nebraska City, Nebr.
Dunn, Walter E., Ogdensburg, N. Y.
Duluth Gas Engine Works, Duluth, Minn.

Eagle Co., Newark, N. J.
Easternhouse Engine Co., Taunton, Mass.
Eberth, A., Inspector st., Montreal, Que., Can.
Eclipse Motor Co., Hinman st., Traverse City, Mich.
Economic Engine Wks., 62 John st., Utica, N. Y.
Eisenhuth Horseless Vehicle Co., Middletown, Conn.
Electric Launch Co., 203 Ave. A, Bayonne, N. J.
Elk Motor Co., Muscatine, Ia.
Elk, Wm. T., Grand ave., New Haven, Conn.
Ellsworth Fdy. & Mch. Co., Ellsworth, Me.
Emeny Co., G. J., Fulton, N. Y.
Emery, Frank M., Kennebunkport, Me.
Emery, V. J., Wollaston, Mass.
Enterprise Machine Co., 1118-20 S. 3rd st., Minneapolis, Minn.
Erd Motor Co., Saginaw, Mich.
Erickson Engine Works, 2345 Nelson st., Chicago, Ill.
Essex Engine Co., 416 Union st., Lynn, Mass.
Eureka Motor Co., Saginaw, Mich.
Evansville Gas Engine Works, 1230 Riverside Ave., Evansville, Ind.
Evansville Marine Motor Co., Saginaw, Mich.
Evinrude Motor Co., 245 Lake St., Milwaukee, Wis.
Excelsior Motor & Mfg. Co., Chicago, Ill.
Exeter Mch. Works, Exeter, N. H.

Fairbanks Co., 416 Broome st., New York.
Fairbanks-Morse Co., Franklin and Monroe sts., Chicago
Fairfield Motor Co., Fairfield, Conn.
Fairmont Engrg. Wks., 3207-11 Spring Garden st., Philadelphia.
Fay & Bowen Engine Co., Geneva, N. Y.
Ferman Motor Works, Grand Rapids, Mich.
Ferro Machine & Fdry. Co., Cleveland, O.
Flickinger Iron Works, Bradford, Pa.
Foster Motor Co., Bradley st., New Haven, Conn.
Fraser Machine & Mfg. Co., 70 Freeport st., Boston, Mass.
Fraser Mch. & Motor Co., New Glasgow, N. S.
Frazer Bros. Co., River st., Adams, N. Y.
Frisbie Motor Co., Middletown, Conn.
Froboesce, Richard, 21 California st., San Francisco, Cal.
Fulton Mfg. Co., Erie, Pa.
Funke, A. H., 83 Chambers st., New York.

Gas Engine & Power Co. & Chas. L. Seabury & Co. Cons., Morris Heights, N. Y.
Gasport Motor Co., Gasport, N. Y.
Gebhardt Motor Co., 2930 Hancock st., Philadelphia. Pa.
Giant Gas Engine Co., 23rd and Hamilton sts., Philadelphia, Pa.
Giant Motor Co., Newark, N. J.
Giddings, C. M., Rockford, Ill.
Gile Boat & Engine Co., Ludington, Mich.
Gilmore-Cragg Motor Mfg. Co., Wayne Co. Bank bldg., Detroit, Mich.
Gilson Mfg. Co., Ltd., 10 York st., Guelph, Canada.
Gladish Bros. Mch. Works, Chattanooga, Tenn.
Globe Iron Wks. Co., Menominee, Wis.
Goodwin Motor Co., Lynn, Mass.
Gorham Engine Co., Oakland, Cal.
Goffga & Co., J. S., Greenport, L. I., N. Y.
Goshen Motor Works, Goshen, Ind.
Grand Rapids Gas Engine & Yacht Co., Grand Rapids, Mich.
Grant-Ferris Co., Troy, N. Y.
Grasser Motor Co., Toledo, O.
Grause-McCormick Mch. Co., Niagara st., Saginaw, Mich.
Gray Motor Co., Leib & Larned st., Detroit, Mich.
Gray & Prior Machine Co., 28 High st., Hartford, Conn.
Green Bay Mch. Co., Green Bay, Wis.
Greenfield Steam Engine Works, Newark, N. J.
Grimm Mfg. Co., Buffalo, N. Y.
Guarantee Motor Co., Bay st., N. Hamilton, Ont., Can.
Gunther Wright Mch. Co., Owensboro, Ky.

Haase Motor Works, 1027 Lloyd st., Milwaukee, Wis.
Hall Bros. Gas Engine Works, Philadelphia.
Hall Gas Engine Mfg. Co., 442 So. Park ave., Waukegan, Ill.
Hallin Gas Engine & Boat Co., Tacoma, Wash.
Hamilton Motor Works, Ltd., Hamilton, Ont., Can.
Hankscraft Co., 1220 Michigan Blvd., Chicago, Ill.
Harbeck Motors Co., 2036 Dominick st., Chicago, Ill.
Harriman Motor Works, S. Glastonbury, Conn.
Harrington, Wiard Co., 29-31 Liberty st., Batavia, N. Y.
Harris Engine Works, Wilmington, Del.
Harvard Marine & Auto Co., 25 Eliot st., Cambridge, Mass.
Hawley Motor Works, R. B., Jackson, Mich.
Hazard Motor Mfg. Co., Rochester, N. Y.
Heer Engine Co., Portsmouth, O.
Hegeman Mch. Works, Grand Rapids, Mich.
Heinel Co., The H. A., Wilmington, Del.
Hercules Gas Engine Wks., Alameda, Cal.
Herschell-Spillman Co., No. Tonawanda, N. Y.
Hettinger Engine Co., Bridgeton, N. J.
Hildreth Mfg. Co., Lansing, Mich.
Hines, H. E., Traverse City, Mich.
Hitchcock Gas Engine Co., Bridgeport, Conn.
Hoffer Motor Boat Co., Georgia st., Vancouver, B. C., Can.

Hoffman Launch & Motor Wks., N. Halsted st., Chicago, Ill.
Holderman Mch. Co., Walnut st., Toledo, O.
Holland Launch & Engine Co., Holland, Mich.
Holliday Engine Co., 160 Bunker st., Chicago, Ill.
Holmes Motor Co., West Mystic, Conn.
Houle Motor Co., Holyoke, Mass.
Howard Ship Yards Co., Jeffersonville, Ind.
Howard Motor Wks., Yonkers, N. Y.
Hub Auto Exchange, 195 Freeport st., Dorchester, Mass.
Huck, Fred H., Rockport, Ont., Can.
Hubbard Motor Co., Middletown, Conn.
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Hurd & Haggin, 312-322 Hudson st., New York.
Hutchinson Bros. & Co., Ltd., Victoria, B. C., Can.

Imperial Gas Engine Co., San Francisco, Cal.
International Oil Engine Co., Danielson, Conn.
Iowa Marine Engine & Launch Works, Bellevue, Ia.
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Johnson & Wells Mch. Co., Neenah, Wis.
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Jones, H. M., Onekama, Mich.
Jones Motor Co., Major, Sproat st., Detroit, Mich.

Kahlenberg Bros., Two Rivers, Wis.
Kane & Upperman, Covington st., Baltimore, Md.
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Kent Machine Works, 37 Gold St., Brooklyn, N. Y.
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Kershaw-Williams Co., 77 Haverhill St., Boston, Mass.
Kinney Mfg. Co., Colonial Bldg., Boston, Mass.
Kirkham Motor Mfg. Co., Bath, N. Y.
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Lakeland Motor Works., Lakeland, Mich.
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N. & S. Electric Co., Seattle, Wash.

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Raspberry Island Boat & Eng. Wks., St. Paul, Minn.
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Sheffield Car Co., Three Rivers, Mich.
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Skipper Marine Engine Co., Reading rd., Cincinnati, Ohio.
Sloan Mfg. Co., 24 W. Randolph St., Chicago, Ill.
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Smith & Langmaid, 11½ Long Wharf, Portland, Me.
Sparks Machine Co., Alton, Ill.
Spaulding Gas Engine Works, St. Joseph, Mich.
Specialty Mfg. Co., South Norwalk, Conn.
Splittstoser, E. W., Pine City, Minn.
Springfield Motor Co., 468 Main st., Springfield, Mass.
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St. Lawrence Engine Co., Ltd., Brockville, Ont., Can.
St. Louis Gas & Gasoline Engine Works, 2519 S. 2nd st., St. Louis, Mo.

St. Mary's Machine Co., St. Mary's, O.
Stamford Motor Co., Stamford, Conn.
Standard Automobile Co., Camden, N. J.
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Standard Motor Construction Co., 170 Whiton st., Jersey City, N. J.
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Struthers-Wells Co., Warren, Pa.
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Toppan Boat Mfg. Co., 7 Haverhill st., Boston, Mass.
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Trump Bros. Mch. Co., Wilmington, Del.
Truscott Boat Mfg. Co., St. Joseph, Mich.
Tuttle Motor Co., Canastota, N. Y.
Tygard Engine Co., 920 South ave., Plainfield, N. J.

Uhler Motor Co., 5th & Olive Sts., St. Joseph, Mich.
Union Gas Engine Co., 23rd ave., E. Oakland, Cal.
Union Iron Works, Oshkosh, Wis.
United States Engine Co., Oshkosh, Wis.
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Van Auken-Clevaue Co., Yonkers, N. Y.
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Weir Gas Engine Co., Seattle, Wash.
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Western Launch & Engine Works, Michigan City, Ind.
Western Mall. & Grey Iron Mfg. Co., 139 Burrell st., Milwaukee, Wis.
Western Motor Co., Marion, Ind.
West Seattle Machine Works, West Seattle, Wash.
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Chittenden & Chittenden, Toledo, O.
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Choate & Larocque, 40 Wall St., New York, N. Y.
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Clark, Elvan L., Waukegan, Ill.
Clark, Wm. C., Mt. Vernon, N. Y.
Classon & Frank, Appleton, Wis.
Cleaves, Waterhouse & Emery, Biddeford, Me.
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Coan & Coan, Oswego, N. Y.
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Cobb, Joseph H., Alpena, Mich.
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Cock, Knowlton & Brownell, New Bedford, Mass.
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Coe, W. R., 49 Wall St., New York.
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Collier, Collier & Browning, Hudson, N. Y.
Collins, Clinto C., Wilmette, Ill.
Collins, Joseph, Port Washington, Wis.
Combs, R. C., Leonardstown, Md.
Conary, W. C., Bucksport, Me.
Condict & Boardman, Jersey City, N. J.
Conklin, Job J., Harrisburg, Pa.
Conner, Lemuel P., Natchez, Miss.
Connine, Ward B., Oscoda, Mich.
Convers & Kirlin, 27 William St., New York, N. Y.
Conway, Eustace, 15 William St., New York, N. Y.
Cook & Chandler, South Haven, Mich.
Cookingham & Cookingham, Utica, N. Y.
Corbett & White, Wickliffe, Ky.
Corbitt, James, Suffolk, Va.
Corey, Guy E., Portsmouth, N. H.
Coston, J. T., Osceola, Ark.
Couch, Clifford, Peekskill, N. Y.
Couch, John A., Sault Ste. Marie, Mich.
Coulter & Dickinson, Essex, Conn.
Cowles & Moulton, Burlington, Vt.
Cox & Kingdon, Conneaut, O.
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Cranmer & Davis, Southport, N. C.
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Cross, Loveplace & Ross, Muskegon, Mich.
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Davidson & Hudson, Sault Ste. Marie, Mich.
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Demarest & DeBaum, Hackensack, N. J.
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Denison, Albert, Mystic, Conn.
Denison, Ralph H., Groton, Conn.
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Dewitt, Lockman & Dewitt, New York, N. J.
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Douglas & Gordon, Troy, N. Y.
Dovel & Dovel, Manistee, Mich.
Drew, Harry R., Richmond, Me.
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Dume, Peter F., San Francisco, Cal.
Dunn, John H., San Jacinto, Cal.
Dunn, Wm. Jr., New Berne, N. C.
Dunton & Morse, Belfast, Me.
Dunton, Arthur J., Bath, Me.
Dwan, John, Two Harbors, Minn.
Dymond, John Jr., Pointe a la Rache, La.

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Ely, Zacher & Ely, New Haven, Conn.
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Ewing & Ewing, Houston, Texas.

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Fish, Richardson, Herrick & Neare, New York, N. Y.
Fisher, T. Pliny, Denton, Md.
Fitch, E. N., Ludington, Mich.
Fitzhugh, Biggs & Fitzhugh, Memphis, Tenn.
Fitzhugh, St. G. R., Fredericksburg, Va.
Fleet & McClendon, Austin, Texas.
Fleming & Moore, Greenville, N. C.
Fletcher, Bertram L., Bangor, Me.
Fletcher, James H., Jr., Accomoc, Va.
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Frost & Sprague, Cheboygan, Mich.
Fulton Bros., Astoria, Ore.
Funk, George H., Olympia, Wash.
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Jackson & Jackson, Salem, Mass.
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Jones & Hardee, Rosedale, Miss.
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Jones, N. N., Newburyport, Mass.
Joslyn & Gilman, Hartford, Conn.
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Keator & Johnson, Philadelphia, Pa.
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Rooney & Rogers, Chicago, Ill.
Roper, Bartlett, Jr., Petersburg, Va.
Rose, A. J., Greenville, Miss.
Rosenheim, Samuel, San Francisco, Cal.
Rosseau, Joseph H., Brunswick, Me.
Rounds & Schurman, 52 Broadway, New York, N. Y.
Rowland, E. A., Rome, N. Y.
Rushing, Charles L., Biloxi, Miss.
Russell & Russell, 27 State St., Boston, Mass.
Russell & Thayer, Saginaw Bay, Mich.
Russell, Charles A., Gloucester, Mass.
Rutan, A. M., Port Arthur, Texas.
Rutledge & Hagood, Charleston, S. C.
Rutledge, Robert S., New Madrid, Mo.
Ryall, H. H., Escanaba, Mich.
Ryan, J. J., Haverhill, Mass.

Sanborn, Mamoreauz & Pray, Ashland, Wis.
Sargent, Walter J., Brewer, Me.
Satterlee, Taylor, French & Goodwin, New York, N. Y.
Saulsbury, Ponder & Curtis, Wilmington, Del.
Saunders, John R., Saluda, Va.
Sawyer, A. L., Menominee, Mich.
Scammon, John, Exeter, N. H.
Scarborough & Forgy, Santa Anna, Cal.
Schertzer, Henry C., Humboldt Bank Bldg., San Francisco, Cal.
Schier, William D., Boston, Mass.
Scott & Buchanan, Richmond, Va.
Scott, G. R. & Pope, Corpus Christi, Texas.
Searle & Spencer, Board of Trade Bldg., Duluth, Minn.
Sewall, Arthur E., York, Me.
Shannon, W. M., Camden, S. C.
Shaw, Warren, Cady & Oakes, Union Trust Bldg., Detroit, Mich.
Sheller, Wm., Everett, Wash.
Shepard, Smith & Harkness, New York, N. Y.
Shepherd, James F., Cheboygan, Mich.
Sherman, Stanley B., Coxsackie, N. Y.
Sherman & Sterling, 11 Wall St., New York.
Sherwood, A. J., Coquille, Ore.
Shope, Julian B., 37 Liberty St., New York, N. Y.
Sillers & Owen, Rosedale, Miss.
Simons, Nelson & Walker, Racine, Wis.
Skinner, Harry R., Watertown, Mass.
Slade, Slade & Slade, New Haven, Conn.
Sleight, Richard, 220 Knight Blk., Ashland, Wis.
Smith & McLean, Washington, N. C.
Smith & Wickham, Schuylerville, N. Y.
Smith, Frank L., Alexandria, Va.
Smith, G. L. & H. T., Mobile, Ala.
Smith, L. L., Gatesville, N. C.
Smith, Miller & Phelps, Los Angeles, Cal.
Smith, Robert H., 622-624 Equitable Bldg., Baltimore, Md.
Smurthwait & Alway, Traverse City, Mich.
Snyder & Gilfoil, Lake Providence, La.
Snyder, Custer, Lorain, O.
Sohier, Wm. D., Equitable Bldg., Boston, Mass.
Spearing, J. Zach, New Orleans, La.
Spencer, H. R., Board of Trade Bldg., Duluth, Minn.
Sperry & McLean, Hartford, Conn.
Spittle, Frank, Astoria, Ore.
Spofford, Elmer P., Deer Isle, Me.
Staton & Johnson, Tarborough, N. C.
Staton, John W., Snowhill, Md.

Steele, W. M., Wisconsin Bldg., West Superior, Wis.
Stevens & Stevens, Reading, Pa.
Stevens, Fred, Rockport, Texas.
Stevenson & Matheson, Cheraw, S. C.
Stevenson & Wilson, Bridgeport, Conn.
Stevenson, Carpenter & Butzel, Detroit, Mich.
Stewart, James, Port Angeles, Wash.
Stockwell & Campbell, Lockport, N. Y.
Stone, J. E., Kalama, Wash.
Story, E. Frank, Franklin, Va.
Stratton, Charles W., St. Joseph, Mich.
Street, Frank W., Sonoma, Cal.
Strong & Caldwalder, 40 Wall St., New York, N. Y.
Strong, H. A., Erie, Pa.
Strong, Henry A., Cohoes, N. Y.
Stuart, Wm. C., 11 First National Bank Bldg., Newport News, Va.
Stubbs, J. B. & Charles J., 212 22nd St., Galveston, Texas.
Sturges, Frank D., 71 Wall St., New York.
Sullivan & Parker, Ipswich, Mass.
Sutton, E. S. B., Price-Harrison Bldg., Sault Ste. Marie, Mich.

Taft, Enos N., 74 Wall St., New York.
Taft, Henry W., 40 Wall St., New York.
Taft, Russell W., Burlington, Vt.
Talbot, E. R., Plaquemine, La.
Talmage & Johnson, Tillamook, Ore.
Tarsney & Fitzpatrick, Whitney Opera House Blk., Detroit, Mich.
Teal & Minor, Portland, Ore.
Tennant & Haight, Jersey City, N. J.
Thayer, Claude, Tillamook, Ore.
Thomas, Ullysses S., Buffalo, N. Y.
Thomas, W. J., Beaufort, S. C.
Thompson & Cole, Atlantic City, N. J.
Thompson, Benjamin, 85 Exchange St., Portland, Me.
Thompson, Frank, Jacksonville, N. C.
Thompson, Glitsch & Cinniger, Lorain, O.
Thompson, Pinkerton & Jackson, Oshkosh, Wis.
Tillot, Thomas R. Jr., Schnectady, N. Y.
Tinning, W. S., Martinez, Cal.
Toland & Rogers, Venturs, Cal.
Tolman, Warren W., Spokane, Wash.
Topping, George P., Bandon, Ore.
Trace, Chapman & Tracy, Syracuse, N. Y.
Tracy, Bedford E., Winter Harbour, Me.
Treat, E. P., Frankfort, Me.
Trimble, C. A., Elizabeth, N. J.
Tripp, William M., Wells, Me.
True, George A., Port Clinton, O.
Tull, Gordon, Princess Anne, Md.
Tupper, C. R., Boothbay, Me.
Turlington, S. James, Accomoc, Va.
Turner & Turner, Wickliffe, Ky.
Turner, Eugene S., Port Washington, Wis.
Turner, Roscoe W., Elizabeth City, N. C.
Tyler, A. M., Hickman, Ky.

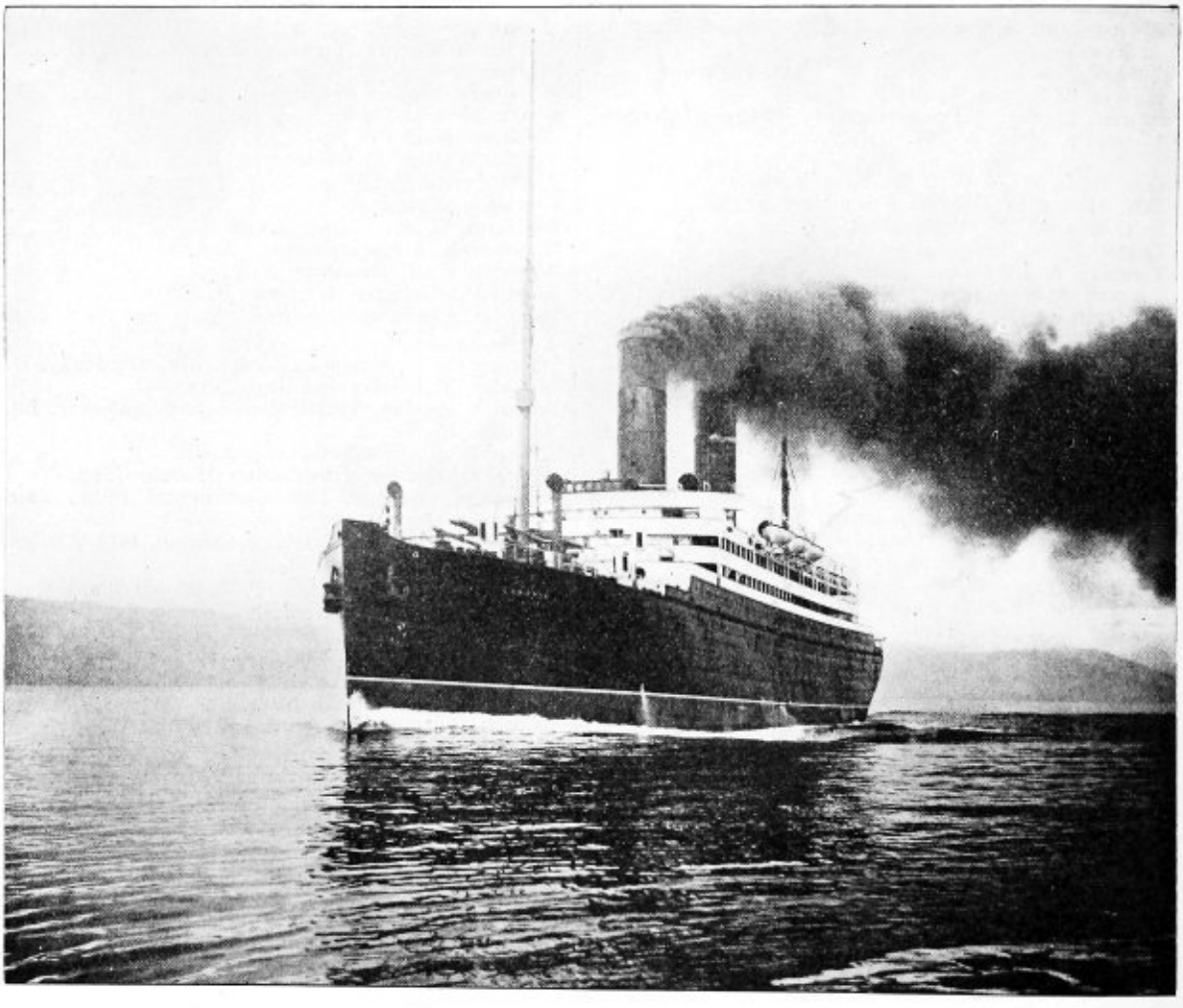
Van Buren, DeWitt, Saugerties, N. Y.
Van Clief, James H., New Brunswick, N. J.
Vann, J. E., Winton, N. C.
Vega, B. J., Donaldsonville, La.
Verrill, Hale & Booth, Portland, Me.
Voight, O. L., East St. Louis, Ill.
Vroom, Dickinson & Scammell, Trenton, N. J.

Wager, E. Lee, Rhinebeck, N. Y.
Walker, C. H., Heathsville, Va.
Walker, Legrand G., Georgetown, S. C.
Walker, Wm. A., 79 Wall St., New York.
Walker, Wm. B., 135 Broadway, New York, N. Y.
Wallace, Butler & Brown, 54 Wall St., New York.
Wallace, John W., Wolfville, N. S.
Walsh & Wright, Greenwich, Conn.
Warburton, W. T., Elkton, Md.
Ward & Grimms, Washington, N. C.
Ward, Clarence D., Rahway, N. J.
Ward, D. L., New Berne, N. C.
Ward, Hayden & Satterlee, 120 Broadway, New York, N. Y.
Ward, John O. B., Martinez, Cal.
Ward, William B., Winnetka, Ill.
Ware, E. M., Tappahannock, Va.
Warner & Farnham, Dunkirk, N. Y.
Warner & Tyler, Middletown, Conn.
Warner, Dorr E., 316-318 Perry-Payne Bldg., Cleveland, O.
Warren & Warren, Trenton, N. C.
Warren, George M., Castine, Me.
Washburn, Bailey & Mitchell, Duluth, Minn.
Watts, Ernest, Burlington, N. J.
Weadock & Duffy, Bay City, Mich.
Welch, Walter, Provincetown, Mass.
Wells, James B., Brownsville, Texas.
Wertime, Walter H., Cohoes, N. Y.
Westcott, G. H., Blaine, Wash.
Weymouth, John, Hampton, Va.
Wheatly, C. R., Beaufort, N. C.
Whedbee, Charles, Hertford, N. C.
Wheeler, Cortis & Haight, 21 State St., New York, N. Y.
Wheeler, S. C., Room 7, Cook's Blk., Sandusky, O.
Wheeler, T. B., Aransas Bay, Texas.
White & Stanley, 1103 Chamber of Commerce, Buffalo, N. Y.
White, R. S., Elizabethtown, N. C.
White, Daggett & Tilson, New Haven, Conn.
Whitelock, George, 1407 Continental Bldg., Baltimore, Md.
White, Johnson, McCaslin & Cannon, 1416 Williamson Bldg., Cleveland, O.
White, White & Taulane, Philadelphia, Pa.
White, William H., Norfolk, Va.
Whiting, William E., Ellsworth, Me.
Whitridge, Butler & Rice, 59 Wall St., New York.
Wickliffe & Read, Wickliffe, Ky.
Wilcox, Franklin A., 1 Broadway, New York.
Wilkins, Charles T., 902-903 Hammond Bldg., Detroit, Mich.
Williams, Francis H., Los Angeles, Cal.
Williams, F. H. J., San Diego, Cal.
Williams, Griswold & Chadboune, Fond Du Lac, Wis.
Williamson & Burleigh, Augusta, Me.
Willis, B. P., Fredericksburg, Va.
Wilson & Dayney, Houston, Texas.
Wilson, Carr & Stackhouse, Camden, N. J.
Wilson, Edmund, Redbank, N. J.
Wilson, W., Port Lavaca, Texas.
Windsor, Gurdon H., Superior, Wis.
Wing, George W., Kewaunee, Wis.
Wing, Putnam & Burlingham, 27 William St., New York.
Winkler, Baker & Holder, Chicago, Ill.
Winston & Bryant, Durham, N. C.
Winton, Payne, Straum & Shaw, Chicago, Ill.
Wise & McNulty, East St. Louis, Ill.
Wister, Beverly W., 1109-1119 Calvert Bldg., Baltimore, Md.
Wood, Charles H., Bar Harbor, Me.

Woodley, T. H., Columbia, N. C.
Woods & Scott, Rosedale, Miss.
Woods, William S., Taunton, Mass.
Woodville & Woodville, 614-615 Hibernia Bank Bldg., New Orleans, La.
Woodward, H. H., Conway, S. C.
Woolsey, John M., 27 William St., New York, N. Y.
Work, J. Henry, 52 Broadway, New York, N. Y.
Wright, W. A. & Heaton, New Haven, Conn.
Wyckoff & Gardner, Watsonville, Cal.

Young & Young, St. Joseph, La.

Zacher, Edmond, Branford, Conn.
Zachery & Williams, Los Angeles, Cal.



CUNARD TURBINE LINER CARMANIA

Passenger Steamship Lines of the United States.

NAMES AND ADDRESSES OF MANAGERS OR PURCHASING AGENTS OF LINES OPERATING IN PASSENGER TRAFFIC, OR FREIGHT AND PASSENGER TRAFFIC, THROUGHOUT THE UNITED STATES.

NOTE.—This list is divided as to the different shipping districts, Atlantic, Pacific, Great Lakes and Rivers.

ATLANTIC OCEAN.

Allan Line, H. & A. Allan, Montreal, Que.—Montreal to Liverpool, London and Glasgow weekly; Montreal to Havre weekly; Philadelphia and Boston to Glasgow fortnightly; and Portland, Me., to Glasgow fortnightly during winter. Also St John, N. B., and Halifax, N. S., to Liverpool weekly; and to Havre and London fortnightly during winter.

American Line, International Mercantile Marine Co., Bowling Green Bldg., 9 Broadway, New York. J. Blake, Southampton, Eng., Supt. Engr. —New York to Southampton, Eng., via Plymouth, Eng., and Cherbourg, France weekly; Philadelphia to Liverpool, Eng., via Queenstown, Ire., weekly.

American Transportation Co.—Steamers, Ruby, A. A. Raven and Robert M. Thompson. James W. Elwell & Co., mgrs., 17 State st., New York.

Atlantic Transport Line, 9 Broadway, New York, Capt Allan Luckhurst, Marine Supt., Pier 58 N. R., New York—New York to London direct weekly.

Atlantic & Mex. Gulf S. S. Co., E. W. Gould, Jr., Prest., 82-92 Beaver st., New York, N. Y.—Mobile, Galveston, Port Arthur, Veracruz, Coatzacoalcos (Pts. Mexico), Progreso and return, leaving Mobile the first of every month. Irregular sailings from New Orleans to Mexican Gulf ports.

Balt. & Phila. Stbt. Co., Ericsson Line, Clarence Shriver, Agt., N. W. cor. Light and Pratt sts., Baltimore; F. S. Groves, Agt., C. E. Wright, Supt. Engr., 3 S. Delaware ave., Philadelphia—Baltimore and Philadelphia daily except Sunday, 5 p. m.

Beaufort & Savannah Line, Geo. U. Beach, Owner, C. E. Ball, Agt., Savannah, Ga.—Summer schedule—May to Sept. Leave Savannnah, Ga., 8:30 a. m. Sunday, Wednesday and Friday, returning same day. Leave Beaufort at 3 p. m. Winter schedule—Leave Savannah, Sunday, Tuesday and Friday at 10:00 a. m. Leave Beaufort, Monday, Wednesday and Saturday, at 8:30 a. m.,

Bluefields French & Steamship Co., Victor Camors, pres.; Charles De Lerno, mgr., 704 Whitney Central Bank bldg., New Orleans, La. Weekly to Blue Fields; semi-monthly to Cape Gracias.

Bluffton-Savannah Line, D. W. Sinclair, Gen. Mgr., Savannah, Ga.—Bluffton, Hilton Head and Danfuskie Island. Sails from Savannah Monday, Wednesday and Friday; from Bluffton, Tuesday, Thursday and Saturday.

Brunswick & Florida Steamboat Co., J. B. Wright, Gen. Mngr., Brunswick, Ga.—Brunswick to Fernandina, Fla., Jekyl Island, Cumberland Island, Dungeness and St. Simons Island, Ga., daily except Sunday at 8:30 A. M. To Island Resorts daily, from May 1, to September 15.

Canadian Pac. Ry., Atlantic Service, M. McD. Duff, Montreal, Can. Montreal in summer, St. John, N. B., in winter, to Liverpool, London and Bristol.

Cape Cod Steamship Co., Jabez S. Dyer, Gen. Mgr., George T. Hammond, Chief Engineer, 33 Broad st., Boston, Mass.—Between Boston & Provincetown daily.

Charleston Consolidated Railway & Lighting Co., Seashore Division, T. W. Passarlaigue, Supt., H. W. Sassard, Chief Engineer, Charleston, S. C.—To Mt. Pleasant, Sullivan's Island and Isle of Palms. Twelve sailings each way daily.

Charleston Steamship Co., Frank McCabe, Gen. Mgr., Charleston, S. C.,—Charleston, S. C., to Georgetown, S. C., Saturdays and Wednesdays; Georgetown to Charleston Mondays and Fridays.

Charlottetown Steam Nav. Co., Ltd., G. W. Wakeford, Manager and Pur. Agt., Charlottetown, P. E. I.—May to December, Charlottetown to Pictou and return, daily except Sunday; Point du Chene to Summerside and return, daily except Sunday. Rail connections at Pictou with all places in Nova Scotia and Cape Breton and at Point du Chene with all points in United States and Canada.

Clyde Steamship Lines, H. R. Mallory, Pres., H. H. Raymond, V. P. and Gen. Mgr.; A. W. Pye, G. P. A., W. C. Selden, Consulting Engr., W. T. Webster, Supt. Engr., G. R. Edgcumbe, Pur. Agt., Pier 36, N. R., New York—New York, Charleston, S. C., and Jacksonville, Fla., four sailings weekly; Boston, Charleston, S. C. and Jacksonville, Fla., semi-weekly; New York, Wilmington, N. C., and Georgetown, S. C., weekly; New York and Philadelphia summer service, daily; winter service, tri-weekly; Philadelphia, Norfolk and Newport News, tri-weekly; New York, Santo Domingo and Turks Island, fortnightly.

Eastern Steamship Corporation, Calvin Autsin, Pres.; F. A. Jones, Vice Pres.; Josiah W. Hayden, Treas.; R. A. Pepper, Secretary and Asst. Treasurer, India Wharf, Boston, Mass.; O. H. Taylor, Passenger Traffic Mgr., Pier 19, N. R., New York; H. H. Cudworth, General Pass. Agt. Eastern Division, Boston, Mass.; G. W. Sterling, Freight Traffic Mgr., Pier 19, N. R., New York; C. R. Lewis, General Freight Agent, Eastern Division, Boston, Mass.; R. T. Bird, Auditor, India Wharf, Boston, Mass.

Metropolitan Steamship Line. Direct All-the-Way-by-Water between New York and Boston. Passenger Service in summer. Season of 1913, June 9th to Oct. 4th. Freight service throughout the year. The Great Express Passenger Steamships; the White Fliers Massachusetts and Bunker Hill. Daily leaving hour from either city, 5 P. M. Running time about 15 hours.

Maine Steamship Line. Passenger and freight service throughout the year. Steel Steamships North Land and North Star. Steamers leave New York Tuesdays, Thursdays and Saturdays, 5 P. M., returning from Portland same days at 6 P. M. Day Trip. On Mondays during the Summer season (June 23rd to Sept. 8th, 1913) a Day Trip is operated in each direction leaving New York and Portland at 10:30 A. M. Running time between the two cities about 22 hours. A delightful ocean voyage.

Lines of The Eastern Steamship Corporation operated from Boston and between points east thereof.—Twelve different Routes.—Principal routes.

Boston and Portland Line. Direct service between the two cities.

Kennebec Line. Between Boston and points on the Kennebec River, including Bath, Dresden, Richmond, Gardiner, Hallowell and Augusta.

Bangor Line. Between Boston and Bangor, Me., and points on the Penobscot Bay and River, including Rockland, Camden, Northport, Belfast. Castine (by small steamer from Belfast) Searsport, Bucksport and Winterport.

International Lines. Direct service between Boston and St. John, N. B., also Coastwise service between Boston and St. John, N. B., via Portland, Lubec and Eastport, Me.

ALONG THE COAST, RIVER AND BAY ROUTES.

Portland & Rockland Line. Between Portland and Rockland, Me., calling at Boothbay Harber, New Harbor, Round Pond, Friendship, Port Clyde and Tenants Harbor.

Portland and Boothbay Line. Between Portland and East Boothbay, Me., calling at Boothbay Harbor, Heron Island and South Bristol.

Boothbay Line. Between Bath and Boothbay, Me., with stops at twenty different towns, resorts and "Landings" on beautiful Sheepscot River and Bay, including Westport, Westport Jct., Riggsville, MacMahans, Five Islands, Sawyers Island, Isle of Springs, Southport, Mouse Island, Capitol Island, Squirrel Island, Menawarmet, Boothbay Harbor, Ocean Point, East Boothbay, Christmas Cove and Heron Island.

Mt. Desert & Blue Hill Lines. Three different routes (Bar Harbor Line, Blue Hill Line and Sedgwick Line). Between Rockland, Me., and the many different cities, towns, resorts and "Landings" on Penobscot Bay and in the Mt. Desert section, including North Haven, Stonington, Southwest Harbor, Northeast Harbor, Seal Harbor, Bar Harbor, Dark Harbor, Sargentville, Deer Isle, Brooklin, South Blue Hill, Blue Hill, Dirigo, Eggomoggin, South Brooksville, Herrick's Landing and Sedgwick.

BOSTON & YARMOUTH STEAMSHIP COMPANY, LTD., YARMOUTH LINE.

Under Management of Eastern Steamship Corporation.

The Evangeline Route. Direct service between Boston, Mass., and Yarmouth, N. S. Connection is made at Yarmouth, N. S. with trains of the Dominion Atlantic Railway and Halifax & Southwestern Railway to and from all points in Nova Scotia, New Brunswick and other Maritime Provinces.

For full information respecting the Eastern Steamship Corporation, address Passenger Traffic Department, Pier 19, N. R., New York City, or India Wharf, Boston.

Georgia, Florida and Alabama Ry. Co.'s Boat Line. R. B. Coleman, Gen. Mgr., Bainbridge, Ga.; W. O. Charlton, M. M., Bainbridge, Ga. Between Apalachicola and Carrabelle, daily. Leaves Apalachicola, Fla., 6:30 A. M.; arrives Carrabelle, 10:20 A. M. Leaves Carrabelle, 3:00 P. M.; arrives Apalachicola, 6:00 P. M. (Steamer Crescent City, Captain A. L. Wing).

Hartford & N. Y. Trans. Co., C. C. Goodrich, V. P., Hartford, Conn.; R. J. Noble, Gen. Mgr., New York; E. B. Williams, Supt., Hartford, Conn.—Daily line of passenger steamers between Hartford and New York. Daily line between New York and Providence, R. I., and between New York and Bridgeport, Conn.

Lafourche Packet Co., Capt. P. A. Charlet, Mngr., B. Rivet, Pur. Agt., New Orleans, La.—New Orleans to Upper Coast, twice per week.

Maine Steamship Co., George C. Hills, Gen. Frt. and Pass. Agt., Pier 20, East River, New York. —Long Island and Vineyard Sounds, Atlantic Ocean, Casco Bay to Portland, Tuesdays, Thursdays and Saturdays. Additional trips during summer months on Mondays.

Mallory Steamship Co., H. R. Mallory, Pres.; H. H. Raymond, Vice Pres. and Gen. Mgr.; A. W. Pye, Gen. Pass. Agt.; W. C. Selden, Consulting Engr. W. T. Webster, Supt. Engr., and G. R. Edgcumbe, Pur. Agt., Pier 36, North River, New York—New York to Galveston, Texas, semi-weekly and to Key West, Fla., semi-weekly; to Tampa, Fla., weekly; to Mobile, Ala, weekly; to Brunswick, Ga., weekly.

Merchants & Miners Trans. Co.: Baltimore—Boston Line—between Baltimore and Boston via Newport News and Norfolk, three sailings each week. Baltimore-Providence Line—between Baltimore and Providence via Newport News and Norfolk, three sailings each week. Philadelphia-Boston Line—between Philadelphia and Boston, three sailings each week. Philadelphia-Fall River-Providence Line (freight only)—three sailings each week. Baltimore and Savannah-Jacksonville Line, three sailings each week. Philadelphia-Savannah-Jacksonville Line, three sailings each week. J. C. Whitney, Pres.; J. M. Blankenship, Supt.; R. C. Moore, F. T. M.; W. P. Turner, P. T. M. General Offices, Baltimore, Md.

Morgan Line—See Southern Pacific Co.

Munson Steamship Line, Main Offices 82-92 Beaver St., New York. New York-Cuba Service. Regular passenger and freight service from New York to Nipe, Nuevitas, Puerto Padre, Gibara and Vita. Freight only from New York to Matanzas, Cardenas, Sagua and Caibarien. Mobile-Cuba Service. Freight only. Regular sailings from Mobile to Havana and from Mobile to North and South side Cuban ports. Baltimore Colon Service. Freight only. Regular sailings from Baltimore to Colon.

New Bedford, Marthas Vineyard & Nantucket Stbt. Co., C. S. Miller, Pres.; T. E. Byrnes, Vice Pres.; George B. Phippen, Treas., Boston, Mass.; C. G. Whiton, Agt.; W. B. Orswell, Chief Engr., New Bedford, Mass.—Daily, except Sunday, in winter; daily (Sunday included) in summer.

New England Navigation Co., Pier 19, North River, New York. See Rivers.

New York & Cuba Mail Steamship Co., Henry E. Cabaud, Gen. Agt., Pier 14, E. R., New York City: Steamers to Tampico weekly on Fridays; to Havana weekly on Saturdays; to Vera Cruz calling at Havana and Progreso en route, every Thursday; to Nassau fortnightly; to Santiago fortnightly; steamers sail from Piers 13 and 14 East River, New York, and from Piers 16, 17 and 18, Prentice Stores, Brooklyn, N. Y.

N. Y. & Long Branch Stbt. Co., Patten Line, William C. Hayden, Secy., Long Branch, N. J.—Four boats daily, New York to Long Branch.

New York & Porto Rico S. S. Co., Franklin D. Mooney, Vice Pres. and Gen. Mgr., 11 Broadway, New York. New York to principal ports in Porto Rico. Freight and passenger steamer from New York every Saturday. New Orleans to Porto Rico every 10 days Galveston to Porto Rico monthly, or more often if cargo offers.

Ocean S. S. Co. of Savannah, (Savannah Line,), W. H. Pleasants, V. P. & G. M., L. Collins, Supt., C. C. Brown, P. T. M., E. R. Richardson, F. T. M., Pier 35, N. R., New York—New York to Savannah, Tuesdays, Thursdays and Saturdays; Savannah to New York, Mondays, Wednesdays and Fridays; Savannah to Boston (direct) Mondays and Thursdays; Boston to Savannah direct, Tuesdays and Saturdays.

Old Dominion S. S. Co., H. B. Walker, Pres. and Gen. Mgr., and H. C. Higgins, Supt. Engr., Pier 25, N. R., foot of No. Moore st., New York—New York and Norfolk, daily sailing from both cities, except Sunday, calling at Newport News, Old Point Comfort and Pinners' Point, Va.

Panama Rail Road Co., operating Panama Rail Road and Panama Rail Road Steamship Line, A. E. Peterson, Freight Agent, C. C. Van Riper, Pass. Agt. Offices, 24 State st., New York—Steamers sail from New York, Pier (new) 67, North River, foot of West 27th st. for Cristobal, Canal Zone (Colon), every six days; four steamers; run to Cristobal in 5½ and 6½ days; freight and passengers to and from West Coast of South and Central America, Mexico and the United States; also every two weeks from Pier 52, North River, foot of Gansvoort st.—two steamers; run to Cristobal in seven days; carry passengers and freight as above.

Peninsular & Occidental Steamship Co., Chas. L. Myers, Mngr. and Pur. Agt., Jacksonville, Fla.—Bi-weekly from Port Tampa to Key West, Fla., and Havana, Cuba; daily except Sunday from Key West, Fla. to Havana, Cuba.

Plant Line, A. W. Perry, Gen. Mgr., F. W. Bedell, Agt., Boston, H. L. Chipman, Eastern Mgr., Halifax, N. S. Boston to Nova Scotia, Cape Breton and Prince Edward Island semi-weekly in summer weekly in winter.

Quebec Steamship Co., Ltd., Head Office, Quebec, Can., New York Office, A. E. Outerbridge & Co., Agts.—New York to Bermuda, weekly during winter; every ten days during summer. New York to St. Thomas, St. Croix, St. Kitts, Antigua, Guadeloupe, Dominica, Martinique, St. Lucia, Barbados, Demerara, etc., every fortnight; Montreal and Quebec to Picton, N. S., every fortnight.

Red Cross Steamship Line, Bowring & Co., Gen. Agents, 17 Battery Place, New York, J. G. Johnson, 30 Church st., New York, Supt. Engr.—Weekly sailings of passenger steamers from Pier 1, Tompkinsville, Staten Island to Halifax, N. S., and St. John's, N. F.

Red "D" Line of Steamships, Bliss, Dallet & Co., Mngrs., John T. Dallas, Supt. Engr., 82 Wall st., New York—New York to San Juan, Porto Rico, La Guayra, Puerto Cabello, Curacao and Maracaibo, sailing from Pier 11, Brooklyn, every Wednesday.

Red Star Line, International Mercantile Marine Co., Bowling Green Bldg., 9 Broadway, New York, Robert Crighton, Antwerp, Belgium, Supt. Engr. New York to Antwerp, via Dover, weekly; Philadelphia to Antwerp and Antwerp to Boston every two weeks.

Southern Pacific Co., Atlantic S. S. Lines, (Morgan Line), Piers 48, 49, 50 and 51, N. R., N. Y. City. C. W. Jungen, Mgr., J. H. Torney, Asst. Mgr., A. S. Hebble, Supt. Engr., and B. G. Bartholomew, Auditor.

Southern Steamship Co., George W. De Laney, Vice Pres. and Traffic Mgr., 608 Bourse bldg., Philadelphia. Sailings from Pier 41, South Wharves to Port Arthur, Texas, every two weeks.

Texas City Steamship Co., Geo. W. De Lanoy, Vice President and Gen. Mgr., Pier 44, North River, New York City. Weekly sailings from Pier 44, North River, to Texas City, Tex. Every Saturday.

United Fruit Co. Lines, A. W. Preston, Pres., Boston, Capt. Wm. Anderson, Mgr. Marine Dept., Boston, M. J. Dempey, Gen. Trf. Mgr., New York City.—Sailing from Boston, New York Philadelphia, and Baltimore to Jamaica; from Boston to Limon, Costa Rica; from New York to Colon and Bocas del Toro, Panama; Barrios, mala and Santa Marta, Colombia; from New Orleans to Colon and Bocas del Toro, Panama, Limon, Costa Rico; Barrios, Guatemala; and British and Spanish Honduras ports; between Mobile and Limon, Costa Rica, and Bocas del Toro, Panama.

White Star Line, 84 State st., Boston. Boston to Liverpool, via Queenstown, regular fortnightly service; also Boston to Azores and Mediterranean ports.

White Star Line, P. A. S. Franklin, United States Representative; Wm. Durbridge, Pur. Agt., Pier 60, North River, New York; W. J. Willett Bruce, Supt. Engr., Liverpool.—New York to Liverpool via Queenstown, Saturdays; New York to Southampton via Plymouth and Cherbourg, Wednesdays; New York to Mediterranean ports, Alexandria, Egypt, frequently.

Wolvin Line, Mexican-American Steamship Service, H. B. Moore, V. P. and Gen. Mgr., Texas City, Tex.—New Orleans, La., and Texas City, Tex., to Tampico and Vera Cruz every ten days.

PACIFIC OCEAN.

Alaska Steamship Co., Seattle, Wash.; S. W. Eccles, Pres., New York; R. W. Baxter, Vice Pres., Seattle, Wash., C. J. Jones, Traffic Mgr., Lowman bldg., Seattle.—Southeastern Alaska Route between Seattle, Skagway and intermediate points, every five days. Southwestern Alaska Route, Seattle to Cordova, Valdez, Seward and intermediate points every week; Alaska Peninsula Route, Seward, Alaska to Dutch Harbor and intermediate points, once a month. Bering Sea route, June 1 to October 10, Seattle to Nome, St. Michael and other points.

Canadian-Australasian Royal Mail S. S. Co., Ltd., J. C. Irons, Gen. Agt., for Pacific Coast, Vancouver, B. C.—Union S. S. Co., of New Zealand, Ltd., Managing Agts, Sydney, N. S. W. Vancouver, B. C., to Sydney, N. S. W., via Victoria, Honolulu, Suva (Fiji), Auckland, N. Z., every four weeks. Full information can be obtained from any agent of the Canadian Pacific Railway Co.

Canadian Pac. Ry. (Pacific Service, Royal Mail Line) Wm. T. Payne, Yokohama, Japan.—Vancouver to Japan and China.

Canadian Pac. Ry. (B. C. Coast Service) Capt. J. W. Troup, Victoria, B. C.—Vancouver and Victoria to Seattle, Skagway, West Coast Vancouver Island, Gulf Islands ports, Northern B. C. ports. Fraser River ports and Alaska.

Great Northern Steamship Co., Seattle. Quarterly sailings to Japan, China and Philippine Islands.

Oceanic Steamship Co., J. D. Spreckels & Bros., Gen. Agts., L. F. Cockroft, G. P. A., 673 Market st., San Francisco. Sailings to Honolulu every 14 days; San Francisco to Sydney, N. S. W. via Honolulu and Samoa every 28 days, connecting with Oversea lines and railways at Sydney.

Pacific Coast S. S. Co., J. C. Ford, Pres., Seattle, Wash.; George H. Higbee, Vice-Pres. and Mgr.; J. H. Cooper, Asst. Mgr.; C. D. Dunann, Passenger Traffic Mgr.; H. C. Cantelow, Gen. Freight Agt.; F. Barry, Claim Agt., 112 Market st., San Francisco; Capt. I. N. Hibberd, Supt.; W. H. Alison, Supt, Engr.; J. Warwick, Pur, Agt., Broadway Wharf, San Francisco; E. C. Ward, Asst. Mgr., Seattle; Capt. E. L. McNoble, Supt., Seattle; A. H. Kress, Supt. Engr.—Northern and Southern California, Washington, British Columbia, Alaska and Mexico.

Pacific Mail Steamship Co., San Francisco, Cal.—Weekly sailings to Japan, China and the Philippines, via Honolulu.

GREAT LAKES AND CONNECTING WATERS.

Algoma Central Steamship Line, S. V. McLeod, Supt., Sault Ste. Marie, Ont.

Anchor Line, The E. & W. T. Co., J. C. Evans, Vice Pres. and Gen. Mgr.; R. M. Russell, Assistant to Vice president and Gen. Mgr.; H. D. Hosmer, Gen. Pass. Agt., Chas. J. Fox, Chief Engr., E. H. Chase, Chief Steward, B. C. Jones, Supt. of Hulls, Buffalo, N. Y., Buffalo, N. Y., to Duluth, Minn., Milwaukee, Wis., and to Chicago, Ill., calling at intermediate points.

Arnold Transit Co., G. T. Arnold, Pres. and Mgr., Mackinac Island, Mich.—Between Cheboygan, Pointe aux Pins, Mackinaw City, St. Ignace, Mackinac Island, De Tour, Encampment and Sault Ste. Marie from the opening of navigation to July 10, and from September 10 to November 20, tri-weekly. From July 10 to September 10, round trip daily. Soo River Division: Daily except Sunday DeTour to Soo and return. Les Cheneaux Division: Between St. Ignace, Mackinac Island and Les Cheneaux Islands. Opening of navigation to July 1, and Sept. 10 to Nov. 20, one round trip daily except Sunday. From July 1 to Sept. 10, three round trips daily.

Ashley & Dustin Steamer Line, E. A. Dustin, Gen. Mgr.—Detroit to Sandusky, via Put-in-Bay, Middle Bass and Kelley Island.

Canadian Pac. Ry. (Upper Lake Service), M. McD. Duff, Montreal, Can.—Port McNicoll to Port Arthur and Fort William, via Sault Ste. Marie; also via Owen Sound once per week.

Cedar Point Resort Co., G. A. Boeckling, Pres. and Mgr., J. F. Singler, Pur. Agt., Sandusky, O. Sandusky to Cedar Point—Steamer every 30 minutes.

Chicago & South Haven Steamship Co., Chicago, Ill.—P. Noud, Pres.; George T. Arnold, V. P.; D. K. Cochrane, Secretary; George B. Caldwell, Treas.; W. H. Cochrane, G. M., Chicago. Between Chicago and South Haven, Mich., Glenn Pier, Pier Cove, Saugatuck and Douglass, Mich.

Chicago, Racine & Milwaukee Line, East End Michigan st., Chicago, Ill.—Between Milwaukee, Racine and Chicago.

Cleveland & Buffalo Trans. Co., T. F. Newman, Gen. Mgr., A. T. Zillmer, Pur. Agt., Charles Lorimer, Chief Engr., 1290 W. 11th st. N. W., Cleveland. —Nightly between Cleveland and Buffalo, May 1 to Dec. 1. Special between Cleveland, Erie and Buffalo on and after June 1 to Sept. 5th.

Crawford Transportation Co., Chicago, Ill.—Andrew H. Crawford, Pres. and Gen. Mgr.; Frank J. Comstock, G. F. & P. A.—Between Saugatuck and Douglass, Ottawa Beach and Holland, Mich.

Crosby Trans. Co., F. G. Crosby, Pres. and Gen. Mgr., F. P. Walsh, G. P. A., 396 East Water st., Milwaukee, Wis. Between Milwaukee, Grand Haven and Muskegon. Daily from Milwaukee and Grand Haven from May 1 to Nov. 1; daily except Saturday from Milwaukee and except Sunday from Grand Haven from Nov. 1 to May 1.

Deseronto Nav. Co., Deseronto, Ont. See "Rivers."

Detroit & Buffalo Line (Div. of D. & C. Line), P. H. McMillan, Pres., A. A. Schantz, Gen. Mgr.; J. T. McMillan, Gen. Supt.; L. G. Lewis, G. P. A., Detroit; Fletcher Sears, Pur. Agt.—Between Detroit and Buffalo, daily.

Detroit & Cleveland Nav. Co., P. H. McMillan, Pres., A. A. Schantz, Vice Pres.; J. T. McMillan, Gen. Supt.; L. G. Lewis, G. P. A.; Fletcher Sears, Pur. Agt., Detroit, Mich.; J. B. Wells, Supt. Hulls and Machy, Detroit; between Detroit and Cleveland daily; Toledo, Put-in-Bay and Cleveland, tri-weekly; Toledo, Detroit, Mackinac, St. Ignace and way ports, four trips per week. Special Cleveland to Mackinac steamer June 20 to Sept. 10. Daily service between Detroit and Buffalo.

Goodrich Transit Co., H. W. Thorpe, Vice Pres. and Gen. Mgr., Capt. D. M. Cochrane, Supt., E. M. Langrell, Pur, Agt., W. E. Elliott, Chief Engr., foot Michigan ave., Chicago—Lake Michigan and Green Bay ports.

Graham & Morton Transp. Co., The, J. S. Morton, Pres. and Gen. Mgr., Benton Harbor, Mich., W. H. Morton, Asst. to Pres., Chicago, A. Reichle, Asst. Secy., Benton Harbor, Mich., L. H. Sebastian, Supt. Motive Power. Between Chicago, St. Joseph and Benton Harbor, three times daily; between Chicago and Holland, Grand Rapids and all Central and Northern Michigan, twice daily; dock foot of Wabash ave., Chicago, Ill.

Green Bay Transportation Co., Green Bay, Wis. Two boats each week plying between Green Bay, Petoskey, Mackinac Island and Cheboygan, touching all intermediate ports.

Indiana Transportation Co., W. K. Greenebaum, Mngr. and Pur. Agt., Chicago, Ill., H. D. Irwin, Supt. Engr., Michigan City, Ind.—Between Chicago and Michigan City thrice daily.

Lake Michigan & Lake Superior Trans. Co., Morton A. Mergentheim, Receiver, 1444 First National Bank Bldg., Chicago, Ill.

Lake Ontario and Bay of Quinte Steamboat Co., Ltd., E. E. Horsey, Gen. Mgr. and Pur. Agt., Kingston, Ont. Rochester, N. Y., Port Hope and Cobourg, Ont., route—Daily, except Sunday, from June 1 to Sept. 30. Rochester, N. Y., Bay of Quinte and Thousand Islands route—Weekly during June and September; daily, except Sunday, during July and August. Local Bay of Quinte route—Kingston to Belleville, Ont., daily except Sunday, from opening to close of navigation.

Lake Ontario Nav. Co., Ltd., J. M. Morson, Mngr.; J. W. Hazlett, Pur. Agt., John Hazlett, Supt. Engr., Picton, Ont. North shore ports of Lake Ontario to Toronto, also excursion business.

Manitou Steamship Co., owned and operated by Northern Mich. Transp. Co., J. C. Conley, G. P. A., Chicago, Ill.—Between Chicago, Ludington, Manistee, Onekama, Frankfort, Petoskey, Bay View, Harbor Springs, Charlevoix and Mackinac Island, Sault Ste. Marie, Killarney, Ont., Collingwood, Ont., connecting at Mackinac Island with all eastern steamship lines. Sailings, four times each week.

Merchants' Montreal Line, C. Arthur Jaques, Gen. Mgr., Montreal, Can.—Detroit, Toledo, Cleveland and Montreal; weekly service to Toronto, Kingston, Brockville, Prescott and Montreal.

Niagara Navigation Co., Ltd., (Niagara River Line), A. J. Smith, Gen. Mgr., Montreal.—Between Toronto and Lewiston, N. Y., Niagara on Lake, Can., and Queenstown, Can., making connection for Buffalo, Niagara Falls and Toronto. Service May 10 to Oct. 18.

Niagara, St. Catherines & Toronto Nav. Co., Ltd., E. F. Seixas, Mgr. and Pur. Agt., R. L. Fairbairn, Gen. Pass, Agt., Toronto., F. A. Young, Gen. Frt. Agt., Toronto; W. P. Robertson, Supt. St. Catherine, Ont.—Between Toronto and Port Dalhousie; trips daily, Sundays excepted.

Winant, James W., lighterage, 112 Wall St.
Conover St., Brooklyn.
St.
warders, 29 Broadway.

Schuyler, Eugene, marine, railway, shipyard, etc., Ft. Annex.
St., E. R.
Collingwood, Ont.; Samuel Brisbin, Chief Engineer, Sarma, Ont. Three sailings each week, and Mackinac Island. Daily Penetang, Parry Sound, June 23 to Sept. 13, three times a week, Sarnia to Port Arthur and Fort William; twice a week, Sarnia to Duluth.

Northern Steamship Co., C. R. Gray, Pres., F. C. Cruger, Mgr., Buffalo, N. Y., S. Lounsbery, Gen. Pass. Agt., 1184 Broadway, New York.—Between Buffalo, Cleveland, Detroit, Mackinac Island, Harbor Springs, Milwaukee and Chicago.

Ontario & Ohio Navigation Co., Ltd., A. E. Thompson, Gen. Mgr., 1204 River Ave., Cleveland, O.—Cleveland to Rondeau and Port Stanley, Sundays, Tuesdays, Thursdays and Saturdays; Port Stanley to Cleveland, Mondays, Wednesdays, Fridays and Saturdays; Rondeau to Cleveland, Sundays, Tuesdays, Thursdays.

Ontario & Quebec Navigation Co., Ltd., B. R. Hepburn, Pres.; J. DeL Hepburn, Gen. Mgr., Picton, Ont. Two sailings a week, Charlotte, N. Y. (Port of Rochester), Bay of Quinte and River St. Lawrence ports down to Quebec.

Peninsular Stbt. Co., C. A. Nielsen, Pres. and Mgr.; F. M. Kelley, Vice Pres.; N. J. Hunt, Treas.; Alex. R. Bruce, Secy., John Roesch, Chief Engr., Sandusky, O. July 1 between Sandusky, Marble Head, Lakeside and Put-in-Bay.

Pere Marquette Railroad Co., W. L. Mercereau, Supt. Steamships, Finlay MacLaren, Chief Engineer, Ludington, Mich., operating Car Ferries with passenger accommodations.—Between Ludington and Milwaukee and Ludington and Manitowoc, daily boat not on schedule. Between Kewaunee and Ludington boats semi-weekly, leaving Ludington on Wednesdays and Saturdays.

Ross Navigation Co., Le Pas, N. W. T. plying between Le Pas and all points on Saskatchewan river. Capt. H. H. Ross, Mgr.

Richelieu & Ontario Nav. Co. (of Canada), C. J. Smith, Gen. Mgr., F. Percy Smith, Sec., J. V. O'Donahoe, Mgrs. Asst., J. A. Villeneuve, Treas., Thomas Henry, Traffic Mgr., Gilbert Johnston, Mech. Supt., 228 St. Paul st., Montreal, Can.—Between Hamilton, Toronto, Rochester, Montreal, Quebec and Saguenay river.

Sandusky & Island Stbt. Co., E. McFall, Mngr and Pur. Agt., Sandusky, O., Steamer Arrow.—Sandusky and Lake Erie Islands, Kelley's, Middle Bass, Put-in-Bay and North Bass Island.

Star-Cole Line Steamers, A. R. Lee, Gen. Mgr. and Pur. Agt., Detroit, Mich. Georgian Bay Route, between Cleveland, O., and Sault Ste. Marie, Mich., weekly.

Toronto Ferry Co., Ltd., Lawrence Solman, Mngr., J. W. Aston, Supt. Engr., Toronto, Can. To and from Toronto Island every twenty minutes.

United States & Dominion Transportation Co., "Booth Line," J. J. Cheeseman, Trf. Mgr., Chicago; John Coventry, Div. Supt., Duluth, Minn. Steamers leave Duluth every Sunday and Wednesday at 10 a. m. and every *Monday and *Thursday, 10 a. m., Friday, 2:30 p. m. for Port Arthur and all intermediate North Shore ports. Returning leave Port Arthur every Monday, Thursday and Saturday at 8 a. m.; *Tuesday and *Friday, 10 p. m. During July and August Steamer Easton will go into service between Duluth, Port Arthur and Isle Royale on alternating days with the Steamer America. Semi-weekly service between Duluth and the Copper country, leaving Duluth every Tuesday and Thursday, 2:30 p. m.; *Tuesday and *Friday, 10 a. m. Georgian Bay-Lake Superior Division. Leave Owen Sound, Ontario, every Monday 10:30 p. m. and Thursday, 7 p. m., for Killarney and all Georgian Bay North Channel ports, Sault Ste. Marie, Michipicoten Island, Michipicoten Harbor, and intermediate ports. Arrive Sault Ste. Marie, Wednesday, 9:30 a. m., and Saturday, 9 a. m., leaving Sault Ste. Marie south-bound for Owen Sound and intermediate Georgian Bay ports every Monday and Friday, 4 p. m. *During July and August only.

Waggoner & Roulett Steamship Line, Green Bay, Wis., Str. Charles McVea, W. H. Waggoner, Mgr. and Pur. Agt. Route between Green Bay, Wis., and Escanaba and Gladstone, Mich. Stopping at intermediate ports, sailing north bound on Mondays, Wednesdays and Fridays; south bound on Tuesdays, Thursdays and Saturdays.

White Star Line, B. W. Parker, Pres. and Gen. Mgr.; John Pridgeon Jr., Vice Pres., C. F. Bielman, Traffic Mgr. and Secy.; Geo. E. Phillips, Treasurer and Asst. Traffic Mgr; Winfield Dubois, Chief Engineer, George H. Thompson, Chief Steward.—Operates steamers between Toledo and Detroit, to St. Clair Flats, Port Huron and way ports.

RIVERS, BAYS, LAKES, ETC.

Albany Day Line. (See Hudson River Day Line).

Baltimore, Chespeake & Atlantic Ry. Co., Willard Thomson, Vice Pres. and G. M., A. H. Seth Asst. to Gen. Mgr., Thomas Benson, Chief Engineer. General Offices, Pier 1, Pratt st., Baltimore, Md. Steamers from Pier 1, Pratt st., three times each week for Wicomico Choptank River. From Pier 8, Light st., daily, except Sunday, for Clairborne, where connection is made for Ocean City, Md., and intermediate stations. From Pier 5, Light st., three times per week for Choptank River (Tuckahoe Division). From Pier 9, Light st., twice per week for Great Wicomico and Piankatank Rivers.

Baltimore Steam Packet Co. (Bay Line), John R. Sherwood, Pres. & G. M., W. W. Erdman, Pur. Agt., Bay Line piers, 10 to 13 Light st., Baltimore—Daily except Sunday between Baltimore, Old Point Comfort, Norfolk, Portsmouth and all points south.

Benton Packet Co., Isaac P. Baker, Mngr. and Pur. Agt., Bismarck, N. D. From Bismarck, N. D., to points south, and from Washburn, N. D., to points north on Missouri River, and to points on Yellowstone River.

Bernard, A., Mgr., Str. Elva, Dardanelle, Ark.—Between Fort Smith and Little Rock, Ark.

Brown, Howard M., Union Springs, N. Y. Round trips daily between Geneva and Watkins, June 1 to Oct. 1.

Bridgeport Line—See New England Navigation Co.

California Nav & Imp. Co., C. D. Clarke, Mgr., Jas. Burns, Supt. Engr., Thomas Lilly, Port Steward, Stockton, Cal., San Francisco, Stockton, Cal., and intermediate points on San Joaquin River.

California Transportation Co., A. E. Anderson, Pres. and Mgr.; James Burns, Supt. Engr., Pier 5, Jackson st., San Francisco, Cal. Sacramento Line: Steamers leave daily, Sundays excepted, at 6:30 p. m., for Collinsville, Emmaton, Rio Vista, Isleton, Ryde, Walnut Grove, Grand Island Wharf, Vorden, Courtland, Clarksburg

and Sacramento, connecting at Sacramento with the Northern Electric Ry., for Woodland, Marysville, Yuba City, Oroville, Chico and way stations, arriving at Sacramento at 6:00 a. m. Returning leave Sacramento at 5:00 p. m., arriving at San Francisco at 6:00 a. m. Stockton Line: Freight and passengers. Steamers leave daily at 6 p. m., touching at Benecia, Martinez, Pittsburgh, Antioch and Stockton. Returning, steamers leave Stockton daily at 12 noon and 6 p. m., arriving at San Francisco at 6 a. m. Freight and passenger steamers for Martinez, Collinsville, Rio Vista, Isleton, Ryde, Walnut Grove, Vorden, Courtland and Sacramento River Landings; leave daily (except Sunday) at 5 p. m.; also for San Joaquin, Mokelumme, Old and Middle River Landings; leave San Francisco 12:00 noon. Returning, arrive San Francisco, 11 p. m. Steamer leaves Oakland, Webster st. Wharf, daily, Sundays excepted, at 12 noon, for all points above mentioned; freight and passengers. J. A. Banks, Agt., Oakland.

Canadian Pacific Ry. (B. C. Lake & River Service) Capt. J. C. Gore, Nelson, B. C.—Kootenay Lake and River, Arrow Lakes, Columbia River, Slocan Lake, Trout Lake and Okanagan Lake, British Columbia.

Carnival City Packet Co., W. A. Blair, Mngr. and Pur. Agt., Davenport, Ia.—Daily between Burlington, Ia., and Quincy, Ill.; tri-weekly between Davenport, Ia., Rock Island, Ill., and Burlington, Ia., from April 1 to Nov. 15.

Casco Bay and Harpswell Lines, Portland, Maine.—Portland and Peak's, Cushing, Little and Great Diamond Long, Little Chebeague, Cliff, Gt. Chebeague Islands, South Harpswell, Bailey's and Orr's Islands the entire year. To Sunset (Gt. Chebeague), Cousin's, Littlejohn's, Bustin's Islands, South-Freeport, Mere Point, Birch Island and Harpswell Centre, during the summer months only.

Champlain Trans. Co., D. A. Loomis, Gen. Mgr., Burlington, Vt., J. White Sprong, Pur. Agt., Albany, N. Y.—Between St. Alban's Bay, Plattsburg and Montcalm landing, on Lake Champlain.

Chautauqua Steamboat Co., George Bullock, receiver, Jamestown, N. Y.—To Lake Chautauqua; frequent service between all points on the lake.

Chesapeake Steamship Co., Key Compton, Pres.; W. H. Taylor, Traffic Mgr., E. J. Chism, Gen. Frt. and Pass. Agt.; N. Chapman, Asst. Gen. Pass. Agt.; A. L. Myer, Asst. Gen. Frt. Agt.; R. Kemp Slaughter, Auditor and Frt. Claim Agt.; Chas. J. O'Brien, Secy. and Treas.; J. F. Batty, Supt. Engr.; Charles Jorss, Pur. Agt.—General Offices, Light and Lee sts., Baltimore, Md.—Chesapeake Line, between Baltimore, Old Point Comfort and Norfolk, sailing daily, including Sunday. York River Line, between Baltimore, West Point and Richmond; southbound, Tuesday, Thursday and Saturday; northbound, Monday, Wednesday and Friday.

Cin., Pomeroy & Charleston Packet Co., J. Greenwood, Pres., Gordon C. Greene, Gen. Mgr., ft. Main st., Cincinnati, O. Steamer Greenland, Tacoma and Greenwood, Cincinnati to Charleston, W. Va., three trips, and three trips Cincinnati to Pomeroy, O., each week. Steamer Courier daily, Cincinnati to Maysville, Ky., except Saturday. Steamer Chilo daily Cincinnati to Chilo, O., except Sunday. Steamer Evergreen daily Charleston to Winfield, W. Va., except Sunday. Steamer Leroy, Gallipolis, O., to Winfield, W. Va., daily except Sunday.

Citizens Evening Line.—See Hudson Navigation Co.

Clatskanie Transp. Co., J. W. Shaver, Pres., Portland, Ore.—Portland to Clatskanie, Oak Point and way landings, Tuesdays, Thursdays and Sundays.

Columbia and Okanogan Steamboat Co., J. J. Griggs, Mgr., B. W. Jones, Pur. Agt., Geo. Nelson, Supt. Engr., Wenatchee, Wash. Wenatchee to Brewster daily and Wenatchee to Bridgeport daily, except Sunday.

Cumberland River Steamboat Co., Nashville, Tenn. W. W. Parminter, Pres. and Gen. Mgr.; T. G. Ryman, Vice Pres.; Robert Rhea, Secy.; T. M. Gallagher, Gen. Frt and Pass. Agt.; J. S. Tyner, Trav. Frt. and Pass. Agt.

Coyle's Mandeville and Madisonville Line, Sam'l Vandegrift, Mgr. and Pur. Agt., 337 Carondelet st., New Orleans, La.—Route: Mandeville, Lewisburg and Madisonville and Tchefuncta River.

Dalles, Portland & Astoria Nav. Co., "Regulator Line," Railway Exchange bldg., Portland, Ore., S. F. McDonald, Supt.; J. E. Mahaney, Pur. Agt.—Portland, Ore., to The Dalles, Ore., 114 miles on Columbia River.

Delaware River Trans. Co.—Barclay Johnson, Pres.; M. B. Perkins, Treas. and Gen. Mgr.; H. F. Stetser, Gen. Mgr., Chestnut St. Wharf, Philadelphia, Philadelphia to Trenton, N. J., stopping at intermediate points.

Diamond Jo Line Steamers, foot Washington ave., St. Louis, Mo., John Killeen, V. P. and Supt., C. L. Peterson, Pur. Agt., Dubuque, Ia. Isaac P. Lusk, Sec., St. Louis, Mo.—Divisions—St.

Eclipse Co., The, E. J. Lancaster, Man. Owner. Le Claire, Iowa.—Between Prairie du Chien and Dubuque, Iowa, daily.

Evansville, Paducah & Cairo Line, H. C. Gilbert, Pres., S. A. Fowler, Pur. Agt. and Mgr., Paducah, Ky.—Evansville to Paducah and Paducah to Cairo daily.

Fall River Line—See New England Navigation Co.

Greene Line Steamers. See Cincinnati, Pomerov and Charleston Packet Co.

Hudson Navigation Co.—John W. McKinnon, President; H. A. Stockholm, Pur. Agt., Pier 32 N. R., New York. Peoples Evening Line—Between New York and Albany daily. Citizens Evening Line.—Between New York, Albany and Troy daily. Sunday day service from May 1 to Oct. 1.

Hudson River Day Line, E. E. Olcott, Pres. and Gen. Mgr., A. Horner, Pur. Agt., Desbrosses St. Pier, New York—New York, Desbrosses St. Pier, West 42nd St. Pier, West 129th St. Pier, to Albany and intermediate landings daily except Sunday. From about May 16 to Oct. 20.

Oregon-Washington Railroad & Navigation Co., Ilwaco, Wash., E. R. Budd, Supt., R. Koehler, Pur. Agt., George W. Boschke, Chief Engineer, Portland, Ore.—Astoria, Ore., to Nahcotta, Wash.; steamer Astoria on to Megler, Wash.; rail, Megler to Nahcotta. Daily service during June, July, August and September. Daily except Sunday balance of year.

Inland Navigation Co., Joshua Green, Pres.; Frank E. Burns, Gen. Mgr.; C. H. J. Stoltenberg, Secy.-Treas.; L. A. Miller, Frt. and Pass. Agt.; Charles Brydsen, Port Captain; C. F. Bishop, Port Engr., Seattle, Wash.

Inman Packet Co., F. L. Inman, Mgr. and Pur. Agt., Black Rock, Ark.—Newport, Ark., to Reyno, Ark., weekly.

Kellogg Trans. Co., J. Orrin Kellogg, Pres.; W. P. Whitcomb, Vice Pres.; C. O. Kellogg, Agent, W. E. Linn, Chief Engineer, Portland, Ore.—Str. Joseph Kellogg leaves Portland for St. Helens, Kalama, Carroll's Point, Rainier and Kelso on Mondays, Wednesdays and Fridays, 7 a. m.; arrives at Portland Tuesdays, Thursdays and Saturdays at 1 p. m.; connects at Kelso with Str. Chester for Ostrander, Castle Rock and Toledo. Wharf and office, foot of Washington st., Portland, Ore.

Kentucky and Indiana Ferry Co., Milton Ky., J. W. Hughes, Mgr., Madison, Ind., Wm. Horton, Engr. From Madison, Ind. to Milton, Ky.

Knoxville Packet Co., J. L. Dykes, Owner and Manager; Dan E. Dykes, Auditor, Knoxville, Tenn.—Knoxville to Chattanooga; Knoxville to Dandridge, Tenn.

"Lady Sybil," Wm. McClure, Owner and Manager, Pictou, N. S.—Semi-weekly steamer service between Pictou and the Magdalen Islands via Souris, P. E. I., during season of open navigation.

Lake George Stbt. Co., D. A. Loomis, Gen. Mngr., Burlington, Vt.—Between points on Lake George.

Laurel & Sharptown Stbt. Co., C. A. Hastings, Mngr. and Pur. Agt., Geo. R. Miller, Supt. Engr., Laurel, Del.—Laurel to Sharptown three times per week, and extra when required.

Lee Line Steamers, W. E. Edge, President; W. C. Teagle, Vice President; H. L. Miller, Secy. and Treas.; S. R. Lee, District Manager; C. Bourne, Freight and Passenger Agent, Wharfboat, foot of Union and Beale Aves., Memphis, Tenn.—All points on Mississippi river, between St. Louis, Mo., Cairo, Ill., Memphis, Tenn., Helena, Ark., Friars Point, Miss., Arkansas City, Ark., Greenville, Miss., Lake Providence, La., and Vicksburg, Miss., and all points on Ohio river between Memphis, Cairo and Cincinnati.

Lee Line Steamers—Cincinnati and Memphis Division, E. R. Mauck, Agent, 204 E. Front St., Cincinnati. Steamers leave Cincinnati every alternate Wednesday during season of navigation, for Ohio river points between Cincinnati and Cairo, and Mississippi river points between St. Louis and Memphis. S. R. Lee, District Manager, Memphis, Tenn.; Purchasing Agent, Lee Line, Memphis, Tenn.

Lee Line Steamers—Cairo and Memphis Division, Halliday & Phillips Wharfboat Co., Cairo, Ill., Man. Agents.

Lee Line Steamers—St. Louis and Memphis Division, J. F. Flanagan, Man. Agent, St. Louis, Mo.

Lewis River Trans. Co., Jacob Kamm, Prest. and Gen. Mngr., 263½ Yamhill st., Portland, Ore.—Portland to Lewis and Lake River points, daily except Sunday.

Louisville & Cincinnati Packet Co., F. A. Laidley, Gen. Mngr., Cincinnati, O., C. C. Fuller, Supt., Louisville, Ky.—Between Cincinnati, Madison and Louisville daily at 5 p. m., except Sunday at 9 a. m. Leaves Louisville same hours, for Cincinnati and intermediate points.

Louisville & Evansville Transportation Co., F. A. Laidley, Pres., C. C. Fuller, Terminal Supt., Wharfboat foot of 3rd st., Louisville, Ky.—Louisville to Cairo, Ill., and Evansville, Ind., Mondays, Wednesdays, Fridays and Saturdays.

Maryland, Delaware & Virginia Ry. Co., Willard Thomson, V. P. and G. M. A. H. Seth, Asst. to Gen. Mgr.; Thomas Benson, Chief Engineer. General offices, Pier 1, Pratt st., Baltimore, Md.—From Pier 2, Light st., six times each week for Rappahannock River. From Pier 3, Light st., three times each week for Potomac River and Washington, D. C., and three times each week for Patuxent River. From Pier 7, Light st., three times each week for Chester River. From Pier 8—daily, except Sunday, for Love Point, where connection is made for points on Railway Division to Lewes, Del. From Pier 7, Light st., three times each week for Chester River (Crumpton Division).

Mary Powell Steamboat Co., Capt. A. E. Anderson, Gen. Mngr., Desbrosses St. Pier, New York.—Daily except Sunday, from about May 25 until Sept. 25, between Kingston (Rondout), New York City and intermediate points on Hudson River.

Memphis & Arkansas City Packet Co., Jas. H. Rees, Pres., R. R. Agnew, Pur. Agent and Supt., Porter bldg., Memphis, Tenn.—Memphis, Tenn., to Arkansas City, Ark., leaving Memphis Monday and Thursday at 5 p. m., and Arkansas City Tuesday and Friday at 5 p. m.

Memphis & Pine Bluff Packet Co., E. W. B. Nowland, Pres. and Gen. Mgr.; Ed. Nowland, Jr., Vice-Pres., and Supt.; A. A. Powell, Secretary and Treasurer; foot Union ave., Memphis, Tenn.—Helena, Ark., and all landings on Arkansas River between mouth of Arkansas River and Pine Bluff, Ark., every Tuesday, 4 p. m.

Menge Bros., J. F. & C. Menge, Myers, Fla. From Ft. Myers to Labelle, Fla., daily. From Ft. Myers to Buckingham tri-weekly.

Merchants and Planters Steamboat Co., W. C. Bradley, Pres.; L. N. Smith, Vice Pres.; H. L. Kendle, Gen. Mgr.; R. B. Collins, Secy. and Treas., Columbus, Ga.—Plying the Chattahoochee, Chipola and Apalachicola Rivers, between Columbus, Ga., via Chattahoochee Fla., to Apalachicola, Fla., leaving Columbus, Ga., every Wednesday and Saturday at 8 a. m. on down voyage. Returning, leave Apalachicola Monday and Thursday afternoon on up voyage.

Merchants Transp. Co., Tacoma, Wash., A. W. Sterrett, Pres., F. H. Marvin, V. P. and Mgr. See also Olympia & Tacoma N. v. Co.

Mississippi Packet Co., Wm. A. Duke, Pres., L. I. Daigle, Sec., 337 Carondelet st., New Orleans—New Orleans to "Devalls," La., Mondays and Thursdays, 5 p. m., 142 miles.

Montauk Steamboat Co., Henry L. Des Anges, Supt., H. B. Hodges, Pur. Agt., Pier 8, E. R., New York—New York to Greenport, Shelter Island, Sag Harbor and Block Island, R. I.; also between New York, Great Neck, Sea Cliff, Glen Cove and Glenwood; New London, Conn., to Greenport, Shelter Island and Sag Harbor.

Monticello Steamship Co., Hatch Bros., Gen. Agts., Clay st. Pier, San Francisco, Cal.—Six round trips daily on thirty mile ferry line between San Francisco, Mare Island Navy Yard and Vallejo.

Muskingum and Ohio River Trans. Co., 307 Water st., Pittsburgh, Pa., Geo. Wallace, Prest., Chas. S. Beckwith, Secy-Treas., Dana Scott, Mngr. and Pur. Agt., Zanesville, O.—Pittsburgh, Pa., to Zanesville, O., leaving Pittsburgh every Saturday at 4:00 p. m., and leaving Zanesville, O., every Tuesday at 8:00 a. m.

Nantasket Beach Stbt Co., Frederic L. Lane, Mgr. and Pur. Agt., 7 Rowe's Whf., Boston, Mass.—Boston to Nantasket Beach daily and Sunday, April 19 to Nov. 1st (in summer hourly); Boston to Plymouth daily and Sunday, June 15th to Sept. 10th, 10 a. m., return Plymouth, 3:30 p. m.

Napa Transportation Co., A. Hatt, Jr., Mgr., Napa, Cal.—Leaves San Francisco daily (except Sunday) for Mare Island, Vallejo, and Napa at 5 p. m. Leaves Napa every evening at 6 p. m.

Natchez & Vicksburg Packet Co., J. N. Carpenter, Pres., Thos. Reber, T. M., Natchez, Miss. Natchez to Vicksburg three times a week.

New Bedford Line—See Old Colony Steamboat Co.

New Bedford, Martha's Vineyard & Nantucket Steamboat Co.—Several trips daily are made between New Bedford, Wood's Hole, Martha's Vineyard (Oak Bluffs) and Nantucket. Steamers of the Direct New Bedford Line operated during the summer season between New York and New Bedford (summer, 1911, from June 10, to Sept. 24, inc.), also connect at New Bedford with the morning and evening boats to and from Oak Bluffs and Nantucket.

Newburgh & Haverstraw Stbt. Co., D. C. Woolsey, Mngr. and Pur. Agt., Frank Decker, Newburgh, N. Y., or Haverstraw, N. Y. Haverstraw to Newburgh and return daily except Sunday.

New England Steamship Co., A. H. Seaver, A. G. P. A. Pier 14 N. R., New York. Operating the Line, New London (Norwich) Line, New Haven Line, Bridgeport Line, Providence-Block Island Line, and New London-Block Island Line.

Fall River Line—Steamers Commonwealth and Priscilla. Service from New York; steamers leave pier 14 North river, foot of Fulton st., week days and Sundays at 5:30 p. m., during the summer season (summer of 1913 from about March 31 to Oct. 5), and 5 p. m. during the winter; due Newport 2:30 a. m., due Fall River 5:00 a. m.—Service from the east—Steamers leave Fall River, 7:40 p. m.; due Newport 9 p. m.; leave Newport, 9:15 p. m.; due New York, 7 a. m.

Providence Line—Summer 1911 from about June 16 to Sept. 30, inc.—Steamers Providence and Plymouth. Service from New York. Steamers leave pier 15 North River, foot of Barclay st., week days only at 5 p. m.; due Providence 5 a. m.—Service from the east—Steamers leave Providence daily except Saturdays at 8:00 p. m. Due New York at 7 a. m. There is no Providence Line steamer from Providence on Saturday.

Norwich Line—Steamers City of Lowell and Chester W. Chapin—Service from New York. Steamers leave pier 40 North River, foot of Houston st., week days only at 5 p. m.; due at pier 70, E. R., at 5:30 p.m., leaving at 6:30 p. m. Due New London, 1:30 a. m. Service from the east—Steamboat train leaves Boston at about 7:00 p. m.; Worcester 8:05 p. m. Steamers leave New London at 11:15 p. m.; due New York pier 70 E. R., 5:45 a. m., pier 40, North River, 7 a. m.—Sunday service from New London—On Sundays from July 6 to Sept. 7, inclusive, the steamer Chester W. Chapin will perform service to New York leaving New London at 11 p. m.; due New York Pier 40 N. R., 7 a. m. Daylight trip Mondays from July 7 to September 8. Leave Pier 40 N. R., 10 a. m. Pier 70, E. R., 10:45 a. m., due New London, 5:15 p. m.

New Haven Line—Service from New York: Steamer leaves pier 28 East River near Catharine st., week days only at 2:45 p. m., due New Haven 7:45 p. m.—Service from New Haven—Steamer leaves Belle Dock, New Haven, at 1:00 a. m., daily except Mondays; due pier 28 East River, New York, at 6:15 a. m.—The Richard Peck on her eastern trip from May 5 to Sept. 27, will stop at pier 70, East River, foot of East 22nd st., leaving there week days at 3 p. m. On her westward trip the Peck will omit this stop. Sunday service is operated during the summer season (summer 1913, from June 1 to Sept. 7, inclusive) on the following schedule:

FROM NEW YORK.

Steamer leaves pier 28 East River at 9:30 a. m.; pier 70 East River at 10 a. m.; due New Haven at 2:30 p. m.

FROM NEW HAVEN.

Steamer leaves Belle Dock, New Haven, at 4:30 p. m.; due New York pier 70 East River at 9:00 p. m.; pier 28 East River at 9:30 p. m.

BRIDGEPORT LINE.

Service from New York—Steamer leaves pier 27 East River near Catharine st., daily except Sunday at 11 a. m., due Bridgeport at 3:20 p. m.

SERVICE FROM BRIDGEPORT.

Steamer leaves Pequonnock Wharf daily except Saturday at 12 night, due New York at 4 a. m.

Double Service is operated during the summer season (summer 1913 from May 15 to Saturday, Sept. 30, inclusive) on the following schedule:

FROM NEW YORK.

Steamers leave pier 27 East River week days only at 11 a. m. and 3 p. m. (Saturdays from June 28 to Sept. 6, inclusive, 2 p. m.), due Bridgeport 3:20 p. m. and 6:30 p. m.

FROM BRIDGEPORT.

Steamers leave at 8 a. m. (from Fairfield ave. wharf) week days only, and 12 night (from Pequonnock wharf) week days except Saturdays; due New York pier 27, E. R., 11:30 a. m. and 4:20 a. m.

STOP AT PIER 70 EAST RIVER FOOT OF EAST 22nd STREET.

The steamer leaving pier 27, East River, New York, at 3 p. m. (Saturdays from June 28 to Sept. 6, inclusive, at 2 p. m.); will stop at pier 70, East River, foot of East 22nd st. at 3:30 p. m. (Saturdays as above at 2:30 p. m.).

Steamer leaving Bridgeport at 8 a. m. will stop at pier 70 East River at 11 a. m.

SUNDAY SERVICE.

Sunday service is operated during the summer season (summer, 1913, from June 8 to Sept. 7, inclusive), on the following schedule:

FROM BRIDGEPORT.

Steamers leave at 9 a. m. (from Fairfield ave. wharf and 12 night from Pequonnock wharf) due New York, pier 27 East River at 12:30 p. m. and 4:20 a. m.

FROM NEW YORK.

Steamer leaves pier 27 East River at 5 p. m., due Bridgeport at 8:30 p. m.

Steamers leaving Bridgeport Sundays at 9 a. m., will stop at pier 70 East River, New York, at 12 noon; returning will stop there at 5:30 p. m.

NEW BEDFORD LINE.

Summer, 1913, from about June 5 to Sept. 30, inc.

Service from New York; steamers Maine and New Hampshire—Steamers leave pier 40, North river, foot of Houston st., week days only 6 p. m.; due New Bedford at 6 a. m.

Service from New Bedford—Steamers leave week days (except Saturday) and Sundays at 7:00 p. m.; due pier 40 North River at 7 a. m.

NEW LONDON—BLOCK ISLAND LINE.

Summer, 1913, from about June 28 to Sept. 7, inc.

Week day service—Steamer leaves Norwich at 8:30 a. m., New London 10:00 a. m., Watch Hill 11:05 a. m., due Block Island 12:30 p. m. Returning leaves Block Island 2:15 p. m., Watch Hill 3:40 p. m., New London 5 p. m., due Norwich 6:30 p. m.

Sunday service—Steamer leaves Norwich 9:15 a. m., New London 10:40 a. m. Watch Hill 11:45 a. m., due Block Island 1:10 p. m. Returning steamer leaves Block Island 3:15 p. m., Watch Hill 4:40 p. m. New London 6:00 p. m.; due Norwich 7 p. m.

During the summer season, the Steamer Watch Hill runs between Stonington and Watch Hill, connecting with New York, New Haven & Hartford railroad trains at Stonington. Time between Stonington and Watch Hill about thirty (30) minutes.

The Steamer Restless runs between New London and Fisher's Island, connecting with the New London (Norwich) Line steamers at New London. Time between New London and Fisher's Island about forty-five (45) minutes.

New Haven Line—See New England Navigation Co.

New London-Block Island Line—See New England Navigation Co.

Newport & Wickford Stbt. Co., A. D. MacLeod, Supt., Pur. Agt. Newport, R. I.—From Newport to Wickford, June to Oct. inclusive, six times daily; Nov. to May inclusive, four times daily.

Norfolk & Washington (D. C.) Steamboat Co., D. J. Callahan, Gen. Mgr., Washington, D. C.—Between Washington, D. C., Alexandria, Va., and Norfolk, Old Point Comfort and Portsmouth, Va., via Potomac River and Chesapeake Bay. Every day in the year at 6:45 p. m. from Washington; from Portsmouth at 5:00 p. m., Norfolk 6:00 p. m. and Old Point Comfort 7:00 p. m.

Northwestern Pacific R. R. Co., Thos. Mellersh, Comptroller, W. S. Palmer, Gen. Mgr., H. W. Ellicott, Pur. Agt., Phelan bldg., San Francisco, Cal. Half-hourly ferry service between San Francisco and Sausalito.

Norwalk Steamboat Line, Anning J. Smith, Lessee, South Norwalk, Conn.—New York to So. Norwalk, Conn., daily except Sunday.

Norwich Line—See New England Navigation Co.

Ocklawaha & St. Johns Nav. Co., Hart Line, R. W. Thompson, Mngr. & Pur. Agt., Fred A. Weeks, Chief Engineer, Palatka, Fla.—Palatka to Silver Springs, Fla., every Monday, Wednesday and Friday in winter, returning leave Silver Springs on Tuesdays, Thursdays and Saturdays.

Ohio Packet Co., Pittsburg, Pa.—Steamer Ohio for Cincinnati every Friday at 4 p. m.

Ohio River Transit Co., M. L. Hissem, Gen. Mgr., Front st., Tel. 1897 Main, Cincinnati, O.—Cincinnati to Madison, Ind., and intermediate points, tri-weekly.

Olympia & Tocoma Nav. Co., A. W. Sterrett, Pres., F. H. Marvin, V. P. and Mgr., Tacoma, Wash.

Oostanaula & Coosa River Steamboat Co., H. A. Gould, Pres., C. N. Burks, Gen. Mgr., and H. V. Burks, Secy. and Treas.—Rome, Ga., to Gadsden, Ala., weekly, and to Greenport, Ala., when freight offers.

Oregon City Transp. Co. A. B. Graham, Pres., A. W. Graham, Mgr. and Pur. Agt., Portland, Ore.—Daily between Oregon City, Salem and way. Albany and Corvallis, Tuesday, Thursday and Saturday.

Oregon & Washington Steam Nav. Co., U. B. Scott, Pres. and Gen. Mgr., E. B. Scott, Vice Pres., C. D. Scott, Sec. and Treas., Seattle, Wash.—Seattle, Everett and Edmonds Route, three round trips daily.

Otonabe Nav. Co., H. Phelan, Gen. Mgr., Peterborough, Ont. From Peterborough to Jubilee, Gore's Landing, Harwood, Idyl Wyld and return daily also Thursday at 1:30 p. m., and Saturday at 1:30 p. m. for Jubilee and Idyl Wyld, returning to Peterborough at 9 p. m. Leaves Harwood every Saturday morning at 6:30 a. m., calling at Jubilee and all points along the river; returning will leave Peterborough at 3:45 p. m.

Paducah & Illinois Ferry Co., Inc., Robert Owen, Mgr., Paducah, Ky.—Paducah, Brookport, Owen's Landing, Ill., opposite Paducah, and Livingstone Point, Ky.; also short excursion routes.

Paducah & Cairo Packet Co., Paducah, Ky. Fred McCandless, Pres., C. L. Van Meter, Vice Pres., D. M. Streck, Secy. and Treas.

Penobscot Bay & River Steamboat Co., Capt. W. D. Bennett, Mgr., Bucksport, Me.—Bucksport to Camden and intermediate points daily round trips all year.

Paducah Wharfboat Co., Paducah, Ky. James Koger, Pres., W. M. Street, Secy. and Treas.

Peoples Evening Line. See Hudson Navigation Co.

Pittsburg & Cincinnati Packet Line, Jas. A. Henderson, Mgr., A. J. Henderson, Pur. Agt., Frank Lear, Shore Engineer, Pittsburg, Pa.—From Pittsburg to Cincinnati Mondays and Wednesdays.

Providence, Fall River and Newport Steamboat Co., A. K. Tillinghast, Pres. and Gen. Mngr., H. E. Windsor, Supt., 136 Dyer st., Providence, R. I.—Daily summer service to Block Island, Newport and shore resorts on Narragansett Bay. Daily service, except Sunday, in winter to Newport.

Providence Line—See New England Navigation Co.

Ryman Line, H. W. Buttorf, Pres., George Doubleday, Gen. Mgr. and Gen. Frt. and Pass. Agt., Alex Perry, Vice Pres., Hunter H. Perry, Secy. and Treas. and Asst. Gen. Mgr., Nashville, Tenn.—Nashville to Paducah, Ky.; Nashville to Evansville, Ind.; Nashville to Burnside, Ky.

Steamer Gold Line (Petaluma & Santa Rosa Ry.), E. M. Van Frank, Pres. and Gen. Mgr., E. H. Maggard, Gen. Frt. Agt., Petaluma, Cal.; L. H. Fox, Steamer Agt., San Francisco.—Petaluma to San Francisco daily service except Sunday.

St. Johns River Day Line.—C. E. Garner, Pres.; H. D. DeGrove, Vice Pres. and Gen. Mgr., Jacksonville, Fla. Jacksonville to Green Cove Springs, daily except Sunday.

St. Lawrence River Steamboat Co., Howard S. Folger, Pres., Gen. Mgr. and Pur. Agt., James Gillie, Supt. Engr., Kingston, Ont.—Between Cape Vincent, N. Y., and Kingston, Ont., daily, except Sunday. Leave Kingston, 5 a. m., and 2 p. m.; arrive at Cape Vincent, 7 a. m. and 4 p. m.; leave Cape Vincent 11 a. m. and 5 p. m.; arrive at Kingston 1 p. m. and 7 p. m., from June 1 to Nov. 1. Remainder of season of navigation leave Cape Vincent 11 a. m. and Kingston 2 p. m.

St. Louis & Tennessee River Packet Co., Isaac T. Rhea, Pres., Nashville, Tenn., John E. Massengale, T. M., T. R. Massengale, Pur. Agt., foot Pine st., St. Louis, Mo., S. K. Hale, Gen. Frt. Agt., Paducah, Ky.—Semi-weekly Paducah to Riverton and Florence, Ala.; semi-weekly Paducah to Riverton and Florence, Ala.—Triweekly to Danville to Savannah, Tenn. Triweekly Riverton, Ala., to Florence, Ala.

Stonington & Watch Hill Ferry—See Old Colony Steamboat Co.

Diamond Jo Line.—Streckfus Steamboat Line., foot Washington Ave., St. Louis, Mo. John Streckfus, Pres. and Gen. Mgr., Jos Streckfus, Asst. Gen. Mgr. and Pur. Agt., Fowler Manning, Traffic Manager and General Passenger and Freight Agent. Divisions—St. Louis to St. Paul, Minn.; St. Louis to Keokuk, Ia.; St. Louis to Burlington, Ia. Passenger and freight service during season of navigation.

Tennessee River Nav. Co., W. C. Wilkey, Gen. Mgr., Chattanooga, Tenn.—Chattanooga to Kingston; leaves Chattanooga every Wednesday at 1 p. m. and Saturday at 6 p. m. for Kingston and Knoxville connections. Chattanooga to Decatur, Ala.; leaves Chattanooga every Tuesday at 10 a. m. for Decatur and way landings.

The Monongahela & Ohio Packet Co., W. E. Roe, Mngr., Wharfboat, foot Smithfield st., Pittsburg, Pa.—Daily at 3:30 p. m., Pittsburg to Brownsville, Morgantown and Fairmount. Boat for Charleston, Va., leaves Pittsburg every Tuesday at 4 p. m.

Thousand Island Steamboat Co., Howard S. Folger, Gen. Mgr. and Pur. Agt., James Gillie, Supt. Engr., Kingston, Ont.—Daily trips between Clayton and Alexandria Bay among the Thousand Islands, and excursion trips to Kingston, Brockville, and Ogdensburg from Thousand Islands points; steamers connect with all incoming and outgoing trains of the N. Y. C. & H. R. R. R., at Clayton, N. Y.

Vancouver Trans. Co., C. A. Kamm, Pres.; J. Allen Harrison, Vice Pres. and Gen. Mgr., 263½ Yamhill st., Portland, Ore.—Portland to Astoria, Ore., daily except Sunday.

Vicksburg & Greenville Packet Co., A. F. Nimtz, Pres. and Gen. Mgr., J. C. Watts, Supt. Mike O'Keefe, Supt. Engr., Vicksburg, Miss., to Greenville, Miss., twice a week the year around, leaving Vicksburg every Monday and Thursday at 3 p. m. Returning, leave Greenville, every Tuesday and Friday at 5 p. m.

Virginia Nav. Co., Irvin Weisiger, Gen. Agt., Richmond, Va.—Leaves Richmond 7 a. m., arrives Norfolk 7 p. m. on Mondays, Wednesdays and Fridays. Leaves Norfolk 7 a. m., arrives Richmond 7:00 p. m. on Tuesdays, Thursdays and Saturdays.

Waccamaw Line Steamers, D. M. Burroughs, Mgr., D. T. McNeill, Supt., Sec., and Treas., Conway S. C.—Conway to Georgetown, S. C., every Monday, Wednesday and Friday; returning from Georgetown every Tuesday, Thursday and Saturday; Pireway, N. C., and on little PeeDee River on special contract.

Washington Steamboat Co., Ltd., J. B. Padgett, Mngr., Alexandria, Va.—Ferry service between Alexandria, Va. and Washington, D. C.

Waterloo & Carondelet Turnpike & Ferry Co., A. W. Sullivan, Gen. Mgr., S. F. Pryor, Gen. Pur. Agt., F. W. Irland, Sec., St. Louis, Mo.—Passenger and vehicle ferry between St. Louis, Mo., and opposite Illinois shore. J. A. Costolo, Inspector Transfer Boats, 7306 S. Broadway, St. Louis, Mo.

Williams Independent Line, H. M. Williams, Monroe, La.—Monroe and above weekly.

Wilmington Steamboat Co., Wilson Line, Capt. Horace Wilson, Mgr., Jos. S. Wilson, Supt., 4th st. wharf, Wilmington, Del.—Wilmington, Chester and Philadelphia Day service. Passengers run all year round.

Yazoo City Packet Co., W. D. Pugh, Lessee, Mgr. and Pur. Agt., Yazoo City, Miss.—Yazoo, Tallahatchie and Sunflower Rivers, Tchula Lake and Lake George.

Directory of Steamship Lines Between the United States and Foreign Ports.

WITH FOREIGN AND AMERICAN ADDRESSES, NAMES OF PRINCIPAL SHIPS, FREQUENCY OF SERVICE, ETC.

NEW YORK TO NORTHERN EUROPE.

To Southampton, England. American Line steamers sail from New York every Saturday for Plymouth, Cherbourg and Southampton, and from Southampton and Cherbourg every Saturday for New York. Carry passengers and freight. Passenger address, 9 Broadway, New York; freight office, Whitehall Building, New York. Southampton address, freight and passenger business, American Line, Canute Road; London passenger office, 1 Cockspur st., S. W.; freight address 38 Leadenhall st., E. C. Principal ships: St. Paul (11,629 tons), St. Louis (11,629 tons), New York (10,798 tons), Philadelphia (10,786 tons).

To Liverpool, England. White Star Line, with passengers and freight, sailing from New York, Thursdays for Liverpool, via Queenstown, and from Liverpool, via Queenstown to New York, Thursdays. To Southampton, via Plymouth and Cherbourg, Wednesdays, eastbound. To New York from Southampton, westbound, Wednesday, calling at Queenstown Thursday. Also steamer fortnightly between Boston, Queenstown and Liverpool. Passenger office, 9 Broadway; freight office, Whitehall building, New York. Boston office, 84 State st. English address, 30 James st., Liverpool. Passenger ships: Olympic (45,000 tons), Adriatic (24,541 tons), Baltic (23,876 tons), Cedric (21,035 tons), Celtic (20,904 tons), Oceanic (17,274 tons), Arabic (15,801 tons), Cymric (13,096 tons), Majestic (10,146 tons). Freight steamers, Georgic (10,077 tons), Cevic (8,301 tons), Bovic (6,583 tons).

To Antwerp, River Plate and for Eastern ports the Sumner Line, British & Foreign S. S. Co., Hall Line, and Saint Line steamers with freight only. New York agents: Charles P. Sumner & Co., 18 Broadway.

To Liverpool, England. Cunard Steamship Co., Ltd., calling at Fishguard every Wednesday and Queenstown and Fishguard on alternate Saturdays, carrying passengers and freight, 21 State st., New York City. English offices: 8 Water st., Liverpool; also 93 Bishopsgate st., E. C., and 29 Cockspur st., S. W., London. Principal ships: Campania (12,950 tons), Carmia (20,000 tons), Carmina (20,000 tons), turbine, Lusitania (32,500 tons), Mauretania (33,200 tons).

To Manchester direct. Steamers of the Lamport and Holt Line, sail fortnightly with freight. Busk & Daniels, agents, Produce Exchange Building, New York. Managing owners: Lamport & Holt, Ltd., Royal Line bldg., Water st., Liverpool, England.

To London, England. Atlantic Transport Line, freight and passenger service, sailing every Saturday from New York and weekly from London. Principal steamers: Minnewaska, Minneapolis, Minnehaha and Minnetonka (13,400 tons each), Mesaba (6,833 tons). Passenger office, 9 Broadway, New York. Freight office, Whitehall Building, New York. London address: Passenger office, 1 Cockspur st., S. W.; freight office, 38 Leadenhall st., E. C.

To Bristol, England, and Swansea via Bristol. Steamers of the Bristol City Line sail from New York every five to seven days carrying freight from Pier 69 North River, New York. Principal steamers: New York City (new 6,000 tons), Bristol City (5,000 tons), Chicago City (4,500 tons), Kansas City (4,500 tons) Exeter City (4,000 tons), Wells City (3,500 tons), Llandaff City (3,000 tons), Jersey City (3,000 tons), Brooklyn City (2,500 tons). James Arkell & Co., agents, 25 Whitehall st., New York. During the summer, these ships sail every seven days or as freight offers and during the winter every five days.

To Hull, England. Steamers of the Wilson Line sail every Saturday with freight and passengers. Principal ships: Galileo (8,500 tons), Toronto (9,000 tons), Buffalo (7,000 tons), Idaho (7,500 tons), Marengo (8,500 tons), Francisco (8,500 tons). Owners: Thos. Wilson, Sons & Co., Ltd., Hull, England. New York agents: Sanderson & Son, 22 State st.

To Glasgow, Scotland. Anchor Line, via Londonderry, weekly, from pier 64, North River, foot of W. 24th st., sailing Saturdays as per schedule. New York agents: Henderson Bros., 17 and 19 Broadway. Managing owners: The Anchor Line (Henderson Bros.), Ltd., St. Vincent Pl., Glasgow, 17 Water st., Liverpool, and 4 St. Mary's Axe, London, E. C. Principal ships: Caledonia (9,222 tons), Columbia (8,292 tons), California (8,661 tons), Cameronia (12,000 tons).

To Havre and Dunkirk, France. Barber Line, sailing from South Central Pier, Atlantic Docks, Brooklyn, every ten to fifteen days. A service of cargo steamers especially adapted to the carrying of the cheaper grades of merchandise where the matter of rate is more to be considered than the time consumed. Average voyage thirteen to fifteen days. Through bills of lading issued to Paris Steamers, Nantes, Bordeaux, Lorient, Calais, Boulogne St. Mer, Rouen, Limogne, Lyon, Lille and St. Quintin. Principal office: Barber & Co., Inc., 17 Battery place, New York, N. Y.; agents at Havre; Langstaff, Ehrenberg & Pollok; at Dunkirk: C. Bourdon & Co.

To Havre, France. French Line (Compagnie Generale Transatlantique) carrying mails, weekly; sailing day from New York, Thursdays, at 10 a. m., and Saturdays at 3 p. m., from Pier 57 North River, foot West 15th st.; from Havre, every Saturday. New York general agency, 19 State st., general western agency, 139 Dearborn st., Chicago, Ill. General offices in France, 6 Rue Auber, Paris, and 89 Boulevard de Strasbourg, Havre. Principal steamers: La France (23,500 tons), La Provence (18,400 tons), La Lorraine (15,000 tons), La Savoie (11,000 tons), La Touraine (10,000 tons), Chicago (11,000 tons), Rochambrau (17,300 tons), Niagara (11,000 tons). Fast freight and cargo service. Semimonthly sailing from Pier 84, North River, foot of W. 44th st., New York. Steamers: Caroline, Texas, Guatemala, Bordeaux, St. Laurent, Hudson, Louisiane, Califronie, Floride.

To Marseilles, Naples, Azores, Lisbon and Mediterranean ports. Fabre Line of steamers carrying freight and passengers. About weekly sailings. Steamers: Patria, Canada, Sast Anna, Venezia, Madonna, Roma, Germania, Provincia, James W. Elwell & Co., Gen. Agents, 17 State st., New York.

To Hamburg, Germany: The Hamburg-American Line is the oldest German Line, and the largest Steamship Company in the world, owning a total of 408 vessels, of which 179 are large ocean steamers. This is a larger number than any other line possesses. Tonnage 1,210,000. Connections to Paris, London and Hamburg by the new Quadruple Turbine liner "Imperator" of 50,000 tons, also by the magnificent twin-screw steamers "Kaiserin Auguste Victoria" (25,000 tons), "Amerika" (22,500 tons), "Victoria Luise" (16,500 tons), "President Grant" and "President Lincoln," each of 18,000 tons. All steamers call at Plymouth for London passengers, and at Cherbourg for Paris passengers en route to Hamburg, with the exception of the SS. "Kaiserin Auguste Victoria" and "Amerika" calling at Cherbourg and Southampton on their way to Hamburg. Direct service to Hamburg by the popular twin-screw steamers "Pennsylvania," "Pretoria" and "Patricia," each of 13,500 tons. These latter steamers carry only second cabin, and the entire ship is at the disposal of the passengers, thus allowing them greater freedom on the ship, than in second cabin on steamers carrying first and second class: New York office, 45 Broadway, Philadelphia office, 1334 Walnut st., St. Louis office, 902 Olive st., Boston office, 607 Boylston st., Pittsburgh office, 338 Sixth ave., San Francisco office, 160 Powell st.

To Bremen, Germany. North German Lloyd Line via Plymouth and Cherbourg, carrying European mails and departing from North German Lloyd piers, Hoboken, N. J., Tuesdays and Thursdays, at 10 a. m., with extra steamers in busiest portions of season. Oelrichs & Co., general agents, Bowling Green bldg., New York City. Fast express service in largest of Atlantic liners, Kronprinzessin, Cecilie, Kaiser Wilhelm II, Kronprinz Wilhelm, Kaiser Wilhelm der Grosse. Twin-screw passenger service, steamers George Washington, Prinz Friedrich, Wilhelm, Barbarossa, Bremen, Freidrich der Grosse, Grosser Kurfuerst, Prinzess Alice, Rhein, Main, Necker, Cassel and others. Steamers of the North German Lloyd for the Mediterranean also sail at regular intervals from Hoboken piers of the company, and close connections are, of course, made by steamers leaving this country with the other lines of this big organization—China Line, Australian Line, Mediterranean-Levante Line, Roumanian Line, and all points in Egypt, India, China, Japan, Australia and South Sea Islands. Connections are also made with the company's South American lines.

To Rotterdam and Amsterdam, Netherlands. Holland-American Line, sail from 5th street, Hoboken, weekly, with passengers and freight. Funch, Edye & Co., freight agents, Maritime bldg., New York.

To Rotterdam and Amsterdam, Netherlands, Holland-America Line, direct. Sailings weekly. General offices, 39 Broadway, New York. Freight agents, Funch, Edye & Co., 8 Bridge st., New York. Company's steamers: Rotterdam (24,170 tons), New Amsterdam (17,250 tons), Ryndam (13,000 tons), Noordam (13,000 tons), Potsdam (13,000 tons). Building SS. Statendam (32,500 tons).

To Christiania, Copenhagen and Stettin, Scandinavian-American Line sail from 17th st., Hoboken, N. J., fortnightly with passengers and freight. Funch, Edye & Co., freight agents, Maritime bldg., New York.

To Antwerp, Belgium. Phoenix Line steamers sail fortnightly with freight. Principal ships: Manhattan (11,000 tons), Michigan (11,000 tons), Etonian (8,500 tons). New York agents: Sanderson & Son, 22 State st. Antwerp agents: Steinmann & Co., Antwerp, Belgium.

To Antwerp via Dover. Red Star Line, sailing weekly on Saturday from New York (Wednesdays in winter season) and weekly on Saturdays from Antwerp and Dover, carrying passengers and freight. Passenger office, 9 Broadway, New York; freight office, Whitehall Building, New York. Antwerp address: Red Star Line, 22 Kammenstraat. Principal ships: Lapland (18,694 tons), Vaderland (12,018 tons), Zeeland (11,905 tons), Kroonland (12,760 tons), Finland (12,760 tons).

To Norway and Denmark. Weekly sailings of the Scandinavian-American Line with passengers and freight from pier foot of 17th st., Hoboken, N. J., to Copenhagen, calling at Christiana and Christiansand. Owners: Det Forenede Dampskibs Selskab. Copenhagen. Passenger business in charge of A. E. Johnson & Co., 1 Broadway, New York. New York freight agents: Funch, Edye & Co., 10 Bridge st.

From New York every Tuesday, Thursday and Saturday with freight only, steamers of the Southern Pacific Co. All sailings from Pier 48 N. R. New York City. Receive freight for east coast of Central America, Mississippi, Louisiana, Texas, Arkansas, Oklahoma, Indian Territory, Missouri River points, Kansas, Mexico, Colorado, Utah, New Mexico, Arizona, California, Oregon, Hawaiian Islands, Philippine Islands, China, Japan and Australia. L. J. Spence, Gen. Frt. Agt., 366 Broadway, New York.

The Hamburg-American Line also maintains regular services from Montreal, Portland, Boston, Philadelphia, Baltimore, Newport News, Norfolk, New Orleans and Galveston to Hamburg; also between Hamburg, the West Indies, South and Central America, Mexico, Africa, India and East Asia. Cruises during the winter months to the Orient, West Indies, South America, the Mediterranean, Adriatic and Caribbean seas; during the summer months to Norway, Iceland and Spitzbergen, also cruises around the world by large, specially constructed twin screw cruising steamers. Offices: 41-45 Broadway, New York. Branch offices in Philadelphia, Boston, Pittsburg, Chicago, St. Louis and San Francisco.

To St. Petersburg, Russia. Monthly sailings with freight during summer months of the Scandinavian-American Line via Christiana and Copenhagen. Funch, Edye & Co., Maritime Building, New York agents.

NEW YORK TO CENTRAL AMERICA, BERMUDA, WEST INDIES, CUBA AND PORTO RICO.

To Bermuda, ships of the Quebec Steamship Co., Ltd., with mails and passengers sail weekly from pier (new) 47, North River, and to the West Indies fortnightly. Principal ships. Bermudian (5,500 tons), Guiana (3,600 tons), Trinidad (2,591 tons), Parima (3,000 tons), Manoa (3,000 tons), Korona (2,874

tons), Quebec Steamship Co., Ltd., Quebec, Can. A. E. Outerbridge & Co., agents, 29 Broadway, New York.

New York to West Indies and Southampton. Steamers of The Royal Mail Steam Packet Co., sail every two weeks from Pier No. 42 North River, foot Morton st., New York City, carrying mail, freight and passengers. Steamers: Orotana (6,000 tons), Tagus (6,000 tons), Trent (6,000 tons), Oruba (6,000 tons), Clyde (6,000 tons), Thames (6,000 tons), Magdalena (5,500 tons), Danube (6,000 tons), also New York to Cuba (Antilla) tri-weekly. Sanderson & Son Agts., 22 State st., New York City. The Royal Mail Steam Packet Co., London, owners. E. S. Phillips, Pier Supt.

To St. Thomas, St. Croix, St. Kitts, Antigua, Guadaloupe, Dominica, Martinique, St. Lucia, Barbados, Demerara, etc. Ships of the Quebec Steamship Co., Ltd., sail every 14 days, with mails and passengers. Ships: Guiana (3,600 tons), Parima (3,000 tons), Manoa (3,000 tons), Korona (2,874 tons). Owners: The Quebec Steamship Co., Ltd., A. E. Outerbridge & Co., agts., 29 Broadway, New York.

To San Juan, Porto Rico, Curacao, La Guayra and Puerto Cabello. Steamers of the Red "D" Line sail every other week with mails, passengers and freight from pier 11, Brooklyn. Also every other week to La Guayra, Curacao and Maracaibo. Principal ships: Caracas (3,000 tons), Philadelphia (2,500 tons), Maracaibo (1,800 tons), Zulia (1,800 tons). Managing owners: Bliss, Dallett & Co., 82 Wall st., New York City. H. L. Boulton & Co., managers at Caracas. These ships are all especially built for the trade and are under contract with the United States government for the transportation of mails. Agents: Villar & Co., San Juan; H. L. Boulton & Co., La Guayra; Boulton & Co., Puerto Cabello; Rivas Fensohn & Co., Curacoa; H. L. Boulton, Jr., & Co., Maracaibo.

New York to Cuba, Mexico, Colon and Windward Islands. Occasional sailings, freight only, of the West India Steamship Co. Main office: Produce Exchange Bldg., New York. Daniel Bacon, agent, 202 Lonja del Comerio, Havana, Cuba.

To Porto Rico. The New York and Porto Rico Steamship Co., with home office at 12 Broadway, New York City, maintains a direct passenger and freight service between New York and the Island of Porto Rico, among the fleet being the full powered modern passengers steamers Coamo (8,000 tons), Ponce (6,000 tons), San Juan (6,000 tons), Carolina (8,000 tons) and Brazor (10,000 tons), leaving New York every Saturday. Main office, No. 11 Broadway, New York, and offices in all ports in Porto Rico.

For Havana and Vera Cruz. Steamers of the Compania Trasatlantica sail once a month from pier 8 East River with freight and passengers. Steamers: Montserrat, Montevideo, Manuel Calvo, Buenos Ayres, Antonio Lopez, J, Zaragoza, agent, pier 8, East River, New York.

To Cuba. Steamers of the Munson Steamship Line sail alternate Wednesdays from pier 9 East River, New York, with passengers and freight to Nipe, Nuevitas, Gibara, Vita and Puerto Padre, returning on alternate Fridays from Nipe to New York direct. Steamers of the Munson Steamship Line sail alternate Wednesdays from pier 9, East River, New York, with freight only to Matanzas, Cardenas, Sagua, and Caibarien. Main offices, 82-92 Beaver st., New York.

United Fruit Co. Sailing from pier, 16, East River. Wednesdays for Kingston, (Jamaica), Colon, (Panama), Cartagena, Puerto Colombia and Santa Marta, (Colombia). Saturdays for Kingston, (Jamaica), Colon and Bocas del Toro, (Panama), and Port Limon, (Costa Rica). Fridays (Fortnightly) (Freight only) for Belize, (British Honduras), Puerto Cortez, (Honduras), and Puerto Barrios, (Guatemala). Tuesdays (Fortnightly) (Freight only) for Port Antonio, Montego Bay, St. Anns Bay, Falmouth and Port Maria, (Jamaica).

To Cristobal, Canal Zone (Colon, Republic of Panama); also to South America, Central America, Mexico, San Francisco and North Pacific Coast ports of the United States. Vessels of the Panama Railroad Steamship Line sail every six days from Pier (new) 67, North River, foot West 27th st. Steamships Colon, Panama, Allianca, Advance. Carry passengers and freight. Also every two weeks from pier 52, North River, foot of Gansvoort st. Steamships Ancon and Christobal. Address—Panama Railroad Company, No. 24 State st., New York.

To West India ports. General freight business to Coastwise and West India ports by A. H. Bull & Co., agents. A. H. Bull Steamship Co., Maritime Building, New York, managing owners of large fleet of sailing vessels, also general managers of American steamers Carolyn (5,100 tons), Dorothy (3,500 tons), Evelyn (5,100 tons), Hilton (4,900 tons), Jean (4,800 tons), Millinocket (4,400 tons), Ruth (4,900 tons), Wilhelmina (2,600 tons).

To Barbados, W. I., Para, Manaos, Maranham, Parnahyba and Ceara, North Brazil. Steamers of The Booth Steamship Co., Ltd., sail on the 5th, 15th and 25th of each month with passengers and freight. New York address: Booth & Co., 17 Battery Pl. Agents at Barbados: Laurie & Co., Ltd., Agents at Para, Manaos and Maranham, Booth & Co.; Agents at Ceara, Salgado Rogers & Co., agents at Parnahyba, J. A. dos Santos. Head office: The Booth Steamship Co., Ltd., Tower Bldg., Liverpool, Eng. (See The Booth S. S. Co. from New York to Para, Brazil.)

To Cuba and Mexico. Steamers of the New York & Cuba Mail S. S. Co. Offices: Piers 13 and 14, East River, New York. Carry passengers and freight. To Tampico direct, sailings once each week from New York on Fridays and once each week from Tampico on Fridays. Weekly freight service; semi-monthly passenger service. To Havana, Cuba, express steamers sail from New York every Saturday and return leave Havana every Saturday. To Vera Cruz, Mexico, steamers leave New York every Thursday and call at Havana, Cuba and Progreso, Mexico en route; leave Vera Cruz every Thursday, returning calling at the same ports en route to New York. New York and Nassau semi-monthly freight and passenger service. Regular freight sailings to Santiago, Guantanamo, Manzanillo and Cienfuegos. Steamers said from Piers 13 and 14, East River, New York City, and from Piers 16, 17 and 18 Prentice Stores, Brooklyn, N. Y. Agents in Mexico: Jose E. O'Kelly, Mexico City; Berea, O'Kelly & Co., Vera Cruz; Jose I. Isusi, Tampico; W. P. Young, Progreso. Agents in Cuba: Zaldo & Co., Havana; N. Castano, Cienfuegos; J. Cendoya, Santiago; Brooks & Co., Guantanamo;

Godwall Maceo & Co., Manzanillo; R. H. Sawyer & Co., agts., at Nassau, Bahamas, N. P. Connections at Vera Cruz and Tampico with all rail lines for interior points in Mexico; at Havana and Santiago with Cuban rail lines for interior points in Cuba. Through bills of lading issued via Vera Cruz in connection with auxiliary steamers for Gulf ports.

To Haytian and Venezuelan Ports, Curacao, Trinidad, Demerara, Paramaribo, Havre and Amsterdam. Steamers of the Royal Dutch West India Mail with passengers, freight and mails, sail every two weeks. Principal ships: Prins Maurits, Prins Frederik Hendrik, Prins der Nederlanden, Prins Willem I, Prins Willem III, Prins Willehm IV, Prins Willem V, Orange Nassau Graaf Lodewijk van Nassau and Graaf Jan van Nassau.

Paramaribo Service, Royal Dutch West India Mail. Fortnightly service to Paramaribo via Barbados, Trinidad and Demerara. General Agency: 17 State st., New York. Freight agency, Funch, Edye & Co., Maritime bldg., New York.

To Jamaica, Cuba, Hayti, Colombia, Costa Rica, and Colon (Panama Canal). Steamers of the Hamburg-American Line's Atlas Service sail weekly from pier 65 (new) North River, with mails and passengers. Principal ships: Karl Schurz, Emil L. Boas, Altai, Alleghany, Sarnia, Sibiria, Prinz August Wilheml, Prinz Sigismund, Prinz Eitel Friedrich, Prinz Joachim, Albingia Allemannia, Westerwold and Altai. Special cruises and tours the Carribean the year around. Hamburg-American Line, 41-45 Broadway, New York.

To Central America, via New Orleans. Two ships a week of the Southern Pacific Co., carrying freight and passengers, from pier 48, N. R. R. S. Stubbs, General Freight Agent, 366 Broadway, New York.

NEW YORK TO PACIFIC COAST PORTS AND HAWAIIAN ISLANDS.

Tehuantepec Route. The American-Hawaiian S. S. Co., main office, 8 Bridge st., New York City; steamers sail from Pier 7, Bush Terminal, South Brooklyn, every six days, with freight only for Pacific Coast ports and Hawaiian Islands; cargo also accepted for Puerto Mexico, and through bills of lading issued to all points in the Tehuantepec National Railway, Vera Cruz & Isthmus Railway, Pan-American Railway and all points on the West Coast of Mexico and Central America. Cargo is also accepted for the West Coast ports of South America by special engagement only. On the Pacific the steamers of the company sail from the Hawaiian Islands for New York every 12 days; in addition steamers sail from San Francisco every 12 days, accepting freight for New York as well as for Salina Cruz, all points on the Tehuantepec National Railway, Vera Cruz & Isthmus Railway, Pan-American Railway, also accepting freight for the principal ports in Europe. Steamers: Alaskan (12,000 tons), Arizonan (12,000 tons), Columbian (12,000 tons), Missourian (12,000 tons), Mexican (12,000 tons), Texan (12,000 tons), Virginian (12,000 tons), Georgian (10,000 tons), Honolulan (10,000 tons), Kentuckian (10,000 tons), American (8,000 tons), Californian (8,000 tons), Hawaiian (8,000 tons), Oregonian (8,000 tons), Isthmian (6,000 tons), Nevadan (5,000 tons), Nebraskan (5,000 tons).

NEW YORK TO MEDITERRANEAN PORTS.

To Madeira, Gibraltar, Naples and Genoa. Regular freight and passenger service maintained throughout the year by steamers of the Hamburg-American Line. In winter, special service of twin-screw express steamers; also connections to Alexandria, and special cruises through the Mediterranean.

To Naples, Patras, Venice and Trieste, calling west bound at Palermo and Algiers. Steamers of the Austro-Americana maintain a regular freight and passenger service weekly. Principal ships: Alice, Laura, Argentina, Martha Washington, Oceania, Atlanta, Columbia, Kaiser Franz Joseph I, Georgia. Phelps Bros. & Co., Agts., 17 Battery Place.

To Gibraltar, Naples and Genoa, the North German Lloyd Steamship Co.'s twin-screw S. S. Prinzess Irene, Konig Albert, Konigen Luise, Berlin, every Saturday at 11 a. m. Oelrichs & Co., agents, Bowling Green bldg., 5 Broadway, New York.

To Naples and Leghorn. Steamers of the Anchor Line sail regularly from pier 29, Brooklyn, as inducements offers, carrying passengers and freight. Principal steamers: Italia (4,806 tons), Perugia (4,376 tons), Calabria (4,376 tons). Owners: Anchor Line (Henderson Bros., Ltd.), 47 Union st., Glasgow, New York Agents: Henderson Bros., 17 and 19 Broadway.

To Azores, Gibralter, Algiers, Villepauche, Genoa, Naples, and Alexandria. Regular sailings of the White Star Line to and from New York and Boston with passengers and freight. Steamers: Cretic (13,519 tons), Canopic (12,097 tons), Winter season: Cedric (21,035 tons), Adriatic (24,000 tons), largest in the trade. Passenger office: 9 Broadway; freight office: Whitehall bldg., New York. Boston office, 84 State st.

To Fiume, calling at Gibraltar, Naples and Triest. Steamers Pannonia (10,200 tons), Saxonia (14,280 tons), Ivernia (14,100 tons), Carpathia (13,555 tons), and Ultonia (10,400 tons), of the Cunard Steamship Co., Ltd., said every two weeks with passengers and freight. Offices: 21 State st.

To Genoa and Mediterranean ports. The Creole Line. Simpson, Spence & Young, Gen. Mgrs., 11 Broadway, New York.

For Genoa and Naples. Steamers of the Navigazione Generale Italiana, "Florio-Rubattino," sail weekly from pier 74, foot of W. 34th st., New York. Carry freight and passengers. Steamers: Duca d'Aosta, Duca di Genova, Duca degli Abruzzi, Lazio, Sannio, America, Hartfield, Solari & Co., agts., 21-24 State st., New York City.

America Levant Line, Ltd.—Direct service to and from New York, Philadelphia. Levant, calling en route at ports in the Mediterranean, Black Sea and Levant; Barcelona, Genoa, Naples, Smyrna, Piraeus, Constantinople, etc. Through bills of lading issued to all ports in the Mditerranean, Black Sea and Levant. Loading berth, Pier 2, Bush Stores, South Brooklyn, N. Y. Principal steamers are: "River Meander," "River Delaware," "River Orontes." Managers, Stanley & John Thompson, 7 Great St. Helens, London, England. New York Agents, Norton & Son, Produce Exchange, New York City. Philadelphia Agents, Gailey, Davis & Co., Philadelphia, Pa. Smyrna Agents, T. Bowen Rees & Co., Smyrna, Turkey.

To Cadiz and Barcelona, Spain, and Genoa and Naples, Italy. Steamers Montserrat, Montevideo, Manuel Calvo, Buenos Aires and Antonio Lopez, of the Compania Transatlantica, sail once a month. E. Tomasi, agent, pier 8, E. R., New York.

To Genoa and Naples. Steamers America, Stampelia, Europa, of the Societa La Veloce-Navigazone Italiana a Vapore. Hartfield, Solari & Co., agts., 21-24 State st., New York City.

From Genoa, Leghorn, Palermo and Messina. Steamers of the Creole Line, freight only. Steamers: Dinnamare, Sicania, Mongibello, Italia, Citta de Messina. Simpson, Spence & Young, agents, 11 Broadway, N. Y.

From Genoa and Mediterranean ports to New York. Steamers of the Creole Line. Steamers: Aspromonte, Citta di Palermo, Delphine, Sicilia Cerea, Dora Baltea, II Piemonte, Moncenisio, Monginevro, Monviso, Principessa Laetitia, Soperga, Val Salice. Simpson, Spence & Young, agents, 11 Broadway, N. Y.

From Messina, Naples and Palermo. Direct passenger and freight service by Sicula Americana, Societa di Navigazione, a Vapore. Steamers: San Giovanni, San Giorgio, San Giuseppe, San Guglielmo. Peirce Bros., Inc., Gen Agts., 17 Battery pl., N. Y.

To Genoa and Naples. Steamers of the Italia Steamship Co. Steamers: Ancona, Verona. Hartfield, Solari & Co., Agts., 21-24 State st., New York New York City.

NEW YORK TO AFRICA.

To Cape Town, Mossel Bay, Algoa Bay (Port Elizabeth), East London, Port Natal (Durban), Delagoa Bay, Beira, etc. Through bills of lading issued to Mauritius and ports of Portuguese East Africa. Steamers of the American and African Steamship Line sail. semi-monthly from Pier 2, Bush Docks. So. Brooklyn, N. Y. Principal steamers: Kabinga, Kasama, Bloemfontein, Aros Castle, Corfe Castle, Matoppo, Gordon Castle, etc. Managing owners: Bucknall Steamship Lines, Ltd., 23 Leadenhall St., London, E. C., and Union Castle Mail Steamship Co., Ltd., 3 Fenchurch st., London. Norton & Son, general agents, Produce Exchange bldg., New York. Agents in South Africa, The Union Castle Mail Steamship Co., and Bucknall Steamship Lines, Ltd., Cape Town. Capt. A. F. Marshall, Supt. Engr.

To Cape Town, Mossel Bay, Port Elizabeth, East London, etc. The Union Clan Line. Also to Mauritius, and Tamatave when sufficient inducement offers. Steamers leave South Central Pier, Atlantic Dock, Brooklyn, N. Y., every 15 to 20 days; freight only. Steamers: York Castle, Aros Castle, Gordon Castle, Corfe Castle, Clan Macbride, Clan Macpherson, Clan Macmillan, Clan Macleod, Clan Munroe, Clan Cummings, Clan Colquhoun, Clan Urquhart. Managing owners: The Union Clan Line, London. Agents at New York, Barber & Co., Inc., 17 Battery Place, New York.

To South Africa. Steamers of the Hansa Line sail monthly with freight from Pier 3 Bush Dock, Brooklyn. Funch, Edye & Co., agents, Maritime bldg., New York. Owners: Hansa Line, Bremen, Germany.

To Cape Town, Algoa Bay, East London, Port Natal, Delagoa Bay, and Beira. Prince Line, Paul F. Gerhard & Co., Gen. Agts., 8-10 Bridge st., New York.

To South African Ports. Steamers of the Houston Line sail fortnightly with passengers and freight. Principal ships: Halizones (5,093 tons), Hyacinthus (5,685 tons), Hydaspes (5,658 tons), Hypatia (5,663 tons). R. P. Houston & Co., 17 Battery Place, New York.

NEW YORK TO CHINA, JAPAN, ASIA AND INDIA.

To China, Japan and the Philippines, via Suez Canal, The Barber Line from South Central Pier, Brooklyn, calling at Aden, Singapore, Hong Kong, Shanghai, Manila, Kobe and Yokohama. Transshipping and issuing through Bs-L. to Jeddah, Hodeidah, Bushire, Bussorah, Bombay, Rangoon, Java, Sumatra, Bangkok, Amoy, Foochow, Tientsin, Tokio, Nagasaki, Vladivostok and other ports as inducement offers; freight only. Steamers: Suruga, Satsunia, Shimosa, Wray Castle, Egremount Castle, Muncaster Castle, St. Patrick. Barber & Co., Inc., managers, 17 Battery Place, New York.

To Chinese and Japanese Ports. Steamers of the U. S. & China-Japan S. S. Line sail monthly from pier 3 Bush Dock, Brooklyn, with freight to Singapore, Manila, Japanese, Chinese and Korean ports. Funch, Edye & Co., agents, Maritime bldg., New York.

New York to Padang, ports in Java and Macassar. Steamers of the Hansa Line sail every month with freight from Pier 3 Bush Docks, Brooklyn; Funch, Edye & Co., Agents, Maritime Bldg., New York; Owners, Hansa Line, Bremen, Germany.

New York to the Far East via Suez Canal, The American & Manchurian Steamship Line, direct semi-monthly service. Steamers calling at Dalny, Port Arthur, and ports in China, Japan, the Philippines, and Straits Settlements. Through bills of lading issued to all ports in China, Japan, Manchuria, the Philippines, Straits Settlements, India and Ceylon ports, etc. The loading berth pier 2, Bush Docks, South Brooklyn, N. Y. Principal steamers are the Katuna, Kabinga, Kalomo, Kazembe, Kasama and Kansas Kioto. The managing owners, Bucknall Steamship Lines, Ltd., 23 Leadenhall st., London, E. C., New York Agt.; Norton & Son, Produce Exchange, New York. Thomas Niver, Supt. Engr.

Direct to India and Red Sea ports via Suez canal, to Aden, Zanzibar, Mombassa, Bombay, Karachi, Madras, Rangoon, Colombo and Calcutta and back to New York, Boston and Philadelphia. Steamers of the American and Indian Steamship Line maintain a monthly service from Pier 2, Bush Docks, So. Brooklyn, N. Y. Principal steamers, Galdanha, Koranna, Swazi, Mashona, Karonga, Kasenga and Matoppo. Managing owners, Bucknall Steamship Lines, Ltd., 23 Leadenhall st., London, E. C. New York Agts., Norton & Sons, Produce Exchange bldg. Thomas Niven, Supt. Engr.

To China, Japan and the far east. Ships of the American-Asiatic Steamship Co. (of about 7,000 tons each) sail monthly with freight only via Suez canal to Singapore, Manila, Hong Kong, Shanghai, Kobe, Moji and Yokohama, Aden and Penang, calling at other ports en route as sufficient freight offers. Offices: 10-12 Broadway, New York. Agents: Luke,

Thomas & Co., Aden; Adamson, Gilfillan & Co., Ltd., Singapore and Penang; Warner Barnes & Co., Ltd., Manila; Shewan, Tomes & Co., Hong Kong, Shanghai and Kobe; Cornes & Co., Yokohama.

To Straits, Manila, China and Japan ports. Monthly sailings, via Suez Canal, by steamers of American & Oriental Line. Howard Houlder & Partners, Inc., agents. Carrying freight only. Address, 24 State st., New York. Agents in China: Arnhold, Karberg & Co.; Japan: The American Trading Co.; Manila: Smith, Bell & Co. Principal ships: Afghan Prince, Tudor Prince, Jeseric, Oceano, Bisley and Headley.

To India, via Suez Canal. Steamers of the Hansa Line sail about every four weeks with freight from pier 3 Bush Dock, Brooklyn, Funch, Edye & Co., agents, Maritime bldg., New York. Owners: Hansa Line, Bremen, Germany.

NEW YORK TO AUSTRALIA, NEW ZEALAND, TASMANIA AND FIJI ISLANDS.

To Australia and New Zealand. The service of the United Tyser Line has regular three-weekly sailings to Melbourne and Sydney and six weekly sailings to Fremantle, Adelaide, Brisbane, Auckland, Wellington, Lyttelton and Dunedin. New York agents, Funch, Edye & Co. Maritime bldg.

Direct to ports in Australia and New Zealand, Fremantle, Albany, Adelaide, Melbourne, Sydney, Brisbane, Auckland, Wellington, Lyttelton, Port Chalmers and Dunedin. Through bills of lading issued to all ports in Australia and New Zealand by the American & Australian Steamship Line. Principal steamers: Dorset, Somerset, Everton Grange, Beira Bucrania, Norfolk, Urmston Grange, Langton Grange, Cornwall, Devon and Kent. Sailings to Melbourne and Sydney every 10 days; to Freemantle, Adelaide and Brisbane every three weeks; to New Zealand ports every three weeks from pier 2, Bush Docks, So. Brooklyn. For rates of freight, passage, etc., apply to Norton & Son, general agents, Produce Exchange bldg., New York, or to American & Australian Steamship Line, 23 Leadenhall st., London.

NEW YORK TO SOUTH AMERICA.

To Brazilian ports. Steamers of the Hamburg-South American Steamship Co. and Hamburg-American Line joint service from pier 3, Bush Dock, Brooklyn, twice monthly. Funch, Edye & Co., Agts., Maritime bldg., New York City.

To Montevideo, Buenos Ayres, Rosaria and River Plata Ports. Fortnightly sailings by steamers of American Rio Plata S. S. Line, carrying freight only. Howard Houlder & Partners, Inc., Agts. Address 24 State st., New York City. Houlder Bros., Agts., Buenos Ayres.

Prince Line. 10th of each month to Rio de Janeiro, Santos, Montevideo, Buenos Aires and Rosario. 25th of each month, one steamer to Pernambuco, Bahia, Rio de Janeiro and Santos. Another steamer to Montevideo, Buenos Aires and Rosario. Paul F. Gerhard & Co., Agents, No. 8-10 Bridge st., New York.

To Montevideo, La Plata, Buenos Ayres and Rosario. Steamers of the Houston Line sail fortnightly with passengers and freight. First class steamers make average passage 25 days. R. P. Houston & Co., 17 Battery Place, New York.

To River Plate, Montevideo, Buenos Ayres, La Plata, Rosario and Bahia Blanca. Steamers of the Norton Line maintain a semi-monthly service, sailing from pier 2, Bush Docks, So. Brooklyn, N. Y. Principal ships: Industry, Bantu, Ikalis, Ikaria. Norton & Son, Produce Exchange bldg., New York. Capt. Donnelly, Supt. Engr.

To Cuba, Jamaica, Hayti, Central and South American ports and Panama. Steamers: Karl Schurz, Emil L. Boas, Prinz August Wilhelm, Prinz Joachim, Prinz Sigismund, Prinz Eitel Friedrich, Westerwald, Altai, Allegheny, Albingia and Allemania of the Atlas service of the Hamburg-American Line sail twice a week with mails, freight and passengers. For passage and freight to Cuba, Jamaica, Colombia, Colon, Costa Rica and through freight to West Coast points, apply to Hamburg-American Line, 41-45 Broadway, New York.

To Para, Maranham and Ceara, etc., via Barbados, one sailing a month, steamers of the Lloyd Brazileiro. Excellent accommodation for passengers. To Pernambuco, Bahia, Rio de Janeiro and Santos, two sailings a month. Steamers load at Pier 5, Bush Docks, So. Brooklyn, N. Y. Cargo received direct from cars. General agents, Seager Trading Co., Produce Exchange, New York.

To South America. See Panama Railroad S. S. Line to Colon, Panama, under head "New York to Central America, etc."

To Montevideo, La Plata, Buenos Ayres, Rosario and Bahia Blanca. The Barber Line, sailing every ten days from South Central Pier, Atlantic Dock, Brooklyn. Cargo and mail. Principal steamers, Dochra, Mercedes de Larrinaga, Pilar de Larrinaga, Gloria de Larrinaga, Ventura de Larrinaga, Victoria de Larrinaga, St. Bede, St. Irene, St. Nicholas, St. Hugo, and St. Quentin. Barber & Co., Ins. Mgrs., 17 Battery Place, New York.

Steamers of The Booth Steamship Co., Ltd., sail on the 5th and 15th of each month to Para and Manaos, and on the 25th of each month for Para, Maranham, Ceara and Parnahyba. Twenty passenger and ten cargo steamers in fleet. This company also maintains a regular service between Liverpool and North Brazil ports, touching at Havre, Oporto, Lisbon and Mardeira on trips to and from Brazil. Passenger boats touch at Barbados coming from and going to Para. New York address: Booth & Co., 17 Battery Pl. Foreign addresses: Booth & Co. Para, Manaos and Maranham, Brazil; Salgado, Rogers & Co., Ceara, Brazil; Laurie & Co., Ltd., Barbados, W. I. Head office: The Booth S. S. Co., Tower bldg., Liverpool.

To Chili and Peru. New York & South America Line. Sailing every month from South Central Pier, Atlantic Dock, Brooklyn. Principal steamers: Howic Hall, Craster Hall, Crofton Hall, Charlton Hall, Foxton Hall, Newton Hall, etc. New York & South America Line, 11 Broadway, New York.

To ports in Chili, Peru and Ecuador. Steamers of Merchants Line sail about once every two weeks via Straits of Magellan, carrying freight only. Steamers are of 5,000 to 10,000 tons. W. R. Grace & Co., Mgrs., Hanover Square, New York City.

To Iquitas, Peru. Steamers of The Iquitas Steamship Co., Ltd., leave New York once a month taking freight. New York address: Booth & Co., 17 Battery Pl.; agents at Iquitas, Booth & Co.

To South American ports, Prince Line. Fifth of each month, to Montevideo, Buenos Ayres and Rosario. Twenty-fifth of each month, to Pernambuco, Bahia, Rio de Janeiro, Santos and Rio Grande do Sul. Calling at Cabedello, Maceio, Victoria, Paranagua, Sao Francisco do Sul and Desterro, when sufficient inducement offers. Paul F. Gerhard & Co., Agents, Nos. 8-10 Bridge st., New York.

West Coast Line to South America, (Chili, Peru and Ecuador). Steamers sail once a month with freight from New York to West Coast ports of South America. Wessel, Duval & Co., managers, 25 Broad st., New York, also at Valparaiso, Santiago and Concepcion. General agents for Peru, Duncan Fox & Co., Lima.

To Bahia, Rio de Janeiro, Santos, Montevideo and Buenos Ayres. Steamers of the Lamport & Holt Line sail fortnightly every other Saturday, carrying passengers, mails and freight; also carry passengers for ports in South Brazil. Special monthly cargo sailings to Brazil. Busk & Daniels, agents, 301 Produce Exchange, New York. Managing owners: Lamport & Holt, Royal Lines bldg., Water st., Liverpool, England.

NEW YORK TO NOVA SCOTIA AND NEWFOUNDLAND.

To Halifax, N. S. and St. John's, N. F. Steamers Stephano and Florizel (new vessels fitted with wireless and submarine signals) of the Red Cross Line, sailing every Saturday at 11 a. m., with passengers and freight from Pier 1, Tompkinsville, Staten Island, N. Y. Managing owners: Bowring & Co., 17 Battery Place, New York. Agents Harvey & Co., St. John's, Nfld., G. S. Campbell & Co., Halifax, N. S. Wm. J. Cosgrove, Traffic Manager, Henry Uhlendorf, General Passenger Agent.

FROM PHILADELPHIA TO NORTHERN EUROPE.

To Liverpool, England. Steamers of the American Line sail weekly, on Saturdays, with freight and passengers, calling at Queenstown, weather permitting, from pier 53 South Wharves, International Mercantile Marine Co. Passenger Offices, 1319 Walnut st.; Freight Offices, Bourse bldg., Philadelphia. Steamers Haverford, Merion and Friesland.

To Rotterdam, Holland. Steamers of the Holland America Line, sail fortnightly between ports with freight only, from pier 48, South Wharves. International Mercantile Marine Co. Agts., 405-408 Bourse bldg., Philadelphia. Steamers Sloterdyk, Soestdyk, Amsteldyk, Andyk and Garredyk.

To Hamburg, Germany. Steamers of the Hamburg American Line, sail fortnightly between ports with freight only, from piers 46 and 48 South Wharves and pier D North Wharves. Atlantic Transport Co. Agents, 405-408 Bourse bldg., Philadelphia. Steamers, Armenia, Barcelonia, Pallanza, Arcadia, Albano, etc. Direct Philadelphia service maintained to Hamburg by The Graf Waldersee, the largest steamer entering the port of Philadelphia, and the twin-screw steamers Prinz Oscar and Prince Adalbert.

To London. Philadelphia Trans-Atlantic Line, Inc., sail every two weeks. Managers: Chas. M. Taylor's Sons, 455 to 458 Bourse bldg., Philadelphia. Foreign agents, Furness, Withy & Co., Ltd., 19-20-21 Billiter st., London, Eng.

To London, England. Steamers Minnesota, Mackinac and Montana (4,000 tons each), of the Atlantic Transport Line sail fortnightly between ports with freight only. Foreign address: Atlantic Transport Co., Ltd., London and at Swansea, P. F. Young, mgr., 405-408 Bourse bldg., Philadelphia.

To Naples and Genoa direct. Genoa-Naples Italian Lines. Fortnightly sailings with freight and passengers. Charles M. Taylors Sons, Inc., 455 Bourse bldg., Philadelphia, agents.

To Manchester. Philadelphia-Manchester Direct Line. Every two weeks. Philadelphia address: Chas. M. Taylor's Sons, Gen. Agts, 455-458 Bourse bldg. Foreign address: Manchester Liners, Ltd., 108 Deansgate, Manchester, England.

To Leith. Regular sailings. Furness Line, every two weeks. Charles M. Taylor Sons, Gen. Agts., 454-458 Bourse bldg., Philadelphia.

To Antwerp, Belgium. Steamers of the Red Star Line ply between Antwerp and Philadelphia, via Boston westbound, and from Philadelphia to Antwerp. Office: The Bourse bldg., Philadelphia, Pa.

To Antwerp, Belgium. Steamers Menominee, Manitou and Marquette, of the Red Star Line sail every two weeks, on Fridays, with freight and passengers from pier 55, South Wharves. International Mercantile Marine Co., Passenger Offices, 1319 Walnut st.; Freight Offices, Bourse bldg., Philadelphia.

To Rotterdam. Christiana, Copenhagen, Stettin. Steamers of the Cosmopolitan Line make regular sailings with freight only. J. A. McCarthy, Agent, Lafayette bldg., Philadelphia; Dampsskibsselskabet Hafnia A. S., Copenhagen, Denmark.

To Rotterdam and Amsterdam, Netherlands, Holland-America Line, direct. Sailings fortnightly. General Office: Holland-America Line, 39 Broadway, New York. Freight agents, International Mercantile Marine Co., Passenger Offices, 1319 Walnut st.; Freight Offices, Bourse bldg., Philadelphia. Company's Steamers Andyk (8,300 tons), Gorredyk (8,100 tons), Sloterdyk (8,100 tons), Amsteldyk (8,100 tons), Soestdyk (8,100 tons), Zyldyk (5,500 tons), Zaandyk (5,500 tons).

To Copenhagen. Christiania Stettin, etc. Steamers of the Scandinavin American Line make regular sailings with freight only. J. A. McCarthy, Agent, 620-622 Lafayette bldg., Philadelphia. Det Forenede Dampskibs Selekab A. S. Copenhagen.

To Glasgow. Steamers of Allan Line, sail fortnightly, calling at St. John's, Nfld., for mails and passengers. H. & A. Allan, 421 Chestnut st., Philadelphia, Pa., or Montreal, Canada.

PHILADELPHIA TO INDIA.

The American & Indian Steamship Line, freight service to Calcutta and Colombo. Peter Wright & Sons, Agts., Philadelphia, Pa.

Bombay-American Line. Freight service, to Bombay. Peter Wright & Sons, Agents, Philadelphia, Pa.

FROM PHILADELPHIA TO WEST INDIES, CUBA AND MEXICO.

To Port Antonio, Jamaica, Steamships Admiral Farragut and Admiral Dewey of the United Fruit Co., sail from Pier 5, North Wharves weekly on

Thursdays. M. J. Dempsey, Gen. Traf. Mgr., M. V. Rodney, Gen. Frt. Agent, F. H. Deitz, Pass. Agent, 17 Battery Place, New York; R. J. Watson, Mgr., Pier 5, N. W., Philadelphia, Pa.

To Cuba, Mexico, Colon and Windward Islands. Occasional sailings, freight only, of the West India Steamship Co., Main Office, Produce Exchange Bldg., New York, Daniel Bacon, Agent, 202 Lonja del Comerico, Havana, Cuba.

To West Indies, Cuba, Mexico and Central America. Steamers of the Earn-Line Steamship Co. Address Bulletin bldg., 139 S. Fourth st., Philadelphia, Pa.

To Cuba and West Indies, Mexico and Central America. Steamers of the Munson Steamship Line sail regularly, for all ports in Cuba. Offices, 82 Beaver st., New York.

FROM BOSTON TO NORTHERN EUROPE.

To Liverpool, via Queenstown and Fishguard during summer season. Steamers Franconia, new (18,000 tons), Laconia (18,149 tons), of the Cunard Steamship Company, Ltd., sail every two weeks carrying passengers and freight. Boston office: 126 State st., New York, Chicago and Minneapolis; English offices: The Cunard Co., Ltd., 8 Water st., Liverpool; also 93 Bishopgate st., E. C., and 29 Cockspur st., S. W., London.

To Rotterdam and Amsterdam, Netherlands, Holland-America Line, sailings fortnightly. General offices Holland-America Line, 39 Broadway, New York. Freight agents Holland-America Line, 84 State st., Boston, Mass. S. S. Andyk (9,000 tons), S. S. Sommelsdyk (9,000 tons), S. S. Zuiderdyk (8,300 tons), S. S. Sloterdky (8,100 tons), S. S. Amsteldyk (8,100 tons), S. S. Soetdyk (8,100 tons), S. S. Maartensdyk (8,100 tons), S. S. (Gorredyk (8,100 tons), S. S. (Zaandyk (5,600 tons), S. S. Zyldyk (5,600 tons).

Boston to Glasgow. Allan Line maintains a regular fortnightly service of freight and passenger steamers. H. & A. Allan, agents, 90 State st., Boston, Mass., or Montreal, Can.

To Liverpool. Steamers of the Leyland Line, carrying passengers and freight, sail from Boston on Wednesdays and from Liverpool on Saturdays. Passenger and freight office, 84 State st., Boston. Liverpool office, 27-29 James st. Steamers Devonian (11,000 tons), Winifredian (11,000 tons), Cestrian (9,000 tons), Canadian (9,500 tons), Bohemian, (11,000 tons).

The new Boston service of the Hamburg-American Line between Boston and Hamburg, maintained by the large and popular twin-screw steamer "Cincinnati" and "Cleveland," both of 17,000 tons each. These steamers will call at Plymouth and Cherbourg on their way to Hamburg, and at Southampton and Cherbourg en route to Boston. The first sailing will take place from Hamburg, May 21st, 1913.

To Hull, England. Wilson Line, sailing fortnightly via New York with freight. Principal ships: Buffalo (8,000 tons), Martello (5,000 tons), Idaho (7,500 tons), Toronto (10,000 tons), Salileo (10,000 tons). Boston agents: Sanderson & Son, Chamber of Commerce bldg. Owners: Thos. Wilson, Sons & Co., Ltd., Hull, England.

To Liverpool, via Queenstown. Steamer Cymric (13,099 tons), and Arabic (15,800 tons), of the White Star Line, regular fortnightly departures, carrying freight and passengers. Address: White Star Line, 84 State st., Boston, Mass. Foreign address: 30 James st., Liverpool, England.

To Limon, Costa Rica. Steamships Limon, Esparta au San Jose (3,300 tons each), of the United Fruit Co., sail weekly on Fridays, passengers only. M. J. Dempsey, Gen. Traffic Mgr., M. V. Rodney, Gen. Frt. Agent; F. H. Deitz, Pass. Agent, 17 Battery Place, New York. Fred Field, Manager, Long Wharf, Boston, Mass.

FROM BOSTON TO WEST INDIES, CUBA AND CENTRAL AMERICA.

To Port Antonio and Kingston, Jamaica. Steamers Admiral Schley and Boundbrook of the United Fruit Co. Line sail weekly on Wednesdays from Long Wharf, Boston. M. J. Dempsey, Gen. Traf. Mgr.; M. V. Rodney, Gen. Frt. Agt.; F. H. Deitz, Pass. Agt., 17 Battery Place, New York; Fred Field, Mgr., Long Wharf, Boston, Mass.

FROM BOSTON TO CHINA, JAPAN AND PHILIPPINES.

From Boston to China, Japan and Philippine ports, via New York. China, Japan and Philippine Lines. Sailings semi-monthly, freight only. Patterson, Wylde & Co., Agts., 102 Chamber of Commerce bldg., Boston, Mass.

FROM BOSTON TO SOUTH AMERICAN PORTS.

To Buenos Ayres, Montevideo and Rosario. Barber Line sail monthly with freight. Patterson, Wylde & Co., Agts., 102 Chamber of Commerce bldg., Boston, Mass.

BOSTON TO MEDITERRANEAN PORTS.

To Azores, Gibraltar, Naples, Genoa. Steamers Canopic (13,000 tons), Cretic (13,518 tons). Also sailings in season to Madeira, Algiers and Alexandria, Egypt. Regular sailings, carrying freight and passengers. Address White Star Line, 84 State st., Boston. Foreign address: 30 James st., Liverpool, England.

FROM BOSTON TO CANADIAN ATLANTIC PORTS.

To Halifax, Nova Scotia, also in summer to Charlottetown, P. E. Island, and Hawkesbury, C. B. Ships of the Plant Line sail weekly in winter, and semi-weekly in summer, carrying passengers and freight. F. W. Bedell, Agt., A. W. Perry, Gen. Mgr., Commercial Wharf, Boston. H. L. Chipman, Eastern Mgr., Halifax, N. S. Principal ships: Evangeline (4,600 tons), Halifax (1,738 tons), A. W. Perry (1,611 tons).

To St. John, N. B., Eastport and Lubec, Me., via Portland and Eastport, Me. Steamers of the Eastern S. S. Co., International Division. For full particulars see "Steamship Lines operating on Atlantic Ocean," page 518.

FROM BALTIMORE TO NORTHERN EUROPE.

Atlantic Transport Line, freight service from Baltimore to Antwerp via London and Havre, fortnightly and Philadelphia direct to London, and weekly passenger service New York direct to London. Red Star Line, Baltimore to Antwerp. Hamburg-American Line, Baltimore to Hamburg; Lord Line, Baltimore to Belfast, Dublin and Cardiff; Empire Line, Baltimore to Leith. Atlantic Transport Co., agents, Second floor, Chamber of Commerce bldg., Baltimore, Md.

To Rotterdam and Amsterdam. Ships of the Neptune Line, owned by Holland-America Line, Rotterdam, Holland, sail weekly with freight. S. S. Andyk (9,000 tons), S. S. Sommelsdyk (9,000 tons), S. S. Zuiderdyk (8,300 tons), S. S. Sloterdyk (8,100 tons), S. S. Amsteldyk (8,100 tons), S. S. Soestdyk (8,100 tons), S. S. Maartensdyk (8,100 tons), S. S. Gorredyk (8,100 tons), S. S. Zaandyk (5,600 tons), S. S. Zyldyk (5,600 tons). Dresel Rauschenberg & Co., Chamber of Commerce bldg., Baltimore, Md.

To Bremen direct. Twin-screw mail steamships of the North German Lloyd sail every Wednesday at 2 p. m. from Bremen Pier 9, Locust Point, carrying second cabin passengers, steerage passengers and cargo, and every Thursday from Bremen. Steamers: Rhein and Main (of 10,067 registered tons). Neckar (9,835 tons), Cassel, and other steamers of the same class (7,500 tons). Agents: A. Schumacher & Co., 7 S. Gay st., Baltimore, Md.. Head office: North German Lloyd, Bremen, Germany.

To Rotterdam, Netherlands. Holland-America Line, direct. Sailing fortnightly. General Office; Holland-America Line, New York. Freight Agents: Dresel, Rauschenberg & Co., 317 Chamber of Commerce, Baltimore, Md.

To Leith, forwarding goods to Dundee, Aberdeen, and other Scotch ports on through bills of lading, ships of the Furness Line, owned by Messrs. Furness, Withy & Co., Ltd., West Hartlepool, England, sail every two weeks with freight. Dresel, Rauschenberg & Co., Agents, Chamber of Commerce Building, Baltimore, Md.

FROM BALTIMORE TO CUBA AND WEST INDIES.

To Port Antonio, Jamaica, weekly sailings of the United Fruit Co., from Pier 1, Pratt st., Baltimore. M. J. Dempsey, Gen. Traf. Mgr., M. V. Rodney, Gen. Frt. Agent, F. H. Deitz, Pass. Agt., 17 Battery Pl., New York; C. C. Buchman, Mgr., Pier 1, Pratt st., Baltimore, Md.

To Cuba, West Indies, Mexico and Central America. Regular sailings of the Munson Steamship Line to all ports in Cuba. Office: 82-92 Beaver st., New York.

To Cuba, Mexico, West Indies and Central American ports. Steamers of the Earn Line Steamship Co. sail at frequent intervals. Address, Bullitt Building, 139 S. Fourth st., Philadelphia.

FROM NORFOLK AND NEWPORT NEWS, VA.

Virginia Line from Newport News and Norfolk Va., to London and Liverpool. This line works with the Chesapeake & Ohio, the Norfolk & Western, and the Southern Railways, and the Atlantic Coast, Virginia Ry., and Seaboard Air Lines. Agents: Furness, Withy & Co., Ltd., Newport News, Va. and Norfolk, Va.

From Norfolk to Cuba, Mexico, Colon and Windward Islands. Occasional sailings, freight only, of the West India Steamship Co. Main office: Produce Exchange bldg., New York; Castner, Curran & Bullitt, agents at Norfolk. Daniel Bacon, Agt., 202 Lonja del Comercio, Havana, Cuba.

Newport News to Havana and Mexican ports. Steamers of the Norway-Mexico Gulf Line, Ltd., are due at Newport News on the 10th of each month with westbound cargo from Christiania and accepting southbound cargo for Havana and Mexican ports. Also carrying first and third class passengers. Furness, Withy & Co., Agents, Newport News, Va.

To Cuba and West Indies, Mexico and Central America. Regular sailings of the Munson Steamship Line to all ports in Cuba. Offices: 82 Beaver st., New York.

Norfolk and Newport News to Rotterdam and Amsterdam, Netherlands. Holland-America Line, direct. Sailings fortnightly. General office: Holland-America Line, 39 Broadway, New York. Freight agents: Holland-America Line, Newport News, Va., the U. S. Shipping Co., New York and Newport News, Va. S. S. Andyk (9,000 tons), S. S. Sommelsdyk (9,000 tons), S. S. Zuiderdyk (8,300 tons), S. S. Sloterdyk (8,100 tons), S. S. Amsteldyk (8,100 tons), S. S. Soestdyk (8,100 tons), S. S. Maartensdyk (8,100 tons), S. S. Gorredyk (8,100 tons), S. S. Zaandyk (5,600 tons), S. S. Zyldyk (5,600 tons).

From Newport News and Norfolk, Va. Hamburg-American Line to Hamburg. Hamburg-American Line, owners, Alsterdamm, Hamburg. Sailings monthly. Donaldson Line, Virginia service to Glasgow. Donaldson Bros., owners, Glasgow. Sailings monthly. Holland-America Line, Virginia service to Amsterdam and Rotterdam. Holland-America Line, Rotterdam, owners. Sailings bi-monthly. All lines carrying freight only. General offices in New York: United States Shipping Co., Maritime bldg., 8 and 10 Bridge st. Branch offices Newport News and Norfolk, Va.

To West Indies, Cuba, Mexico, Central America, etc. Steamers of the Earn-Line Steamship Co. sail at frequent intervals, carrying freight only. Address, Bullitt Building, Philadelphia.

FROM PORTLAND, MAINE.

To Glasgow. Steamers of the Allan Line sail fortnightly during the winter months with freight and passengers. H. & A. Allan, Agts, Portland.

To St. John, New Brunswick, with connections for all parts of the Maritime Provinces. Steamships of the International Divisions, Eastern Steamship Co., three trips per week in summer, Eastport and Lubec carry passengers and freight. Principal ships: Calvin Austin (3,850 tons), Governor Dingley (3,850 tons), Governor Cobb (2,525 tons). Calvin Austin, Pres., C. C. Brown, G. P. A., C. R. Lewis, Gen. Frt. Agt., Boston, Mass.

To London, Thomson Line from Dec. 1st to April 30th; service from Montreal during summer season. Passenger and freight steamers Tartona (9,000 tons), Cairnrona (9,000 tons), Gerona (9,500 tons); freight steamers Cervona (6,000 tons), Devona (6,000 tons), Fremona (4,300 tons), Hurona (5,000 tons), Iona (5,000 tons). The Robert Redford Co., Ltd., agents, 23-25 St. Sacrament st., Montreal, Can.

Portland, Me., to Liverpool direct. Steamers of Dominion Line sail from docks of Grand Trunk Ry., 1 India st., Portland, Me., passenger and freight steamers during winter. Passenger steamers transferred to Montreal during summer. No service from Portland during summer months, 1909. Steamers: Canada (9,413 tons), Dominion (7,008 tons), Laurente (14,892 tons), Megantic (14,878 tons).

United Fruit Co., From St. Joseph wharf: Wednesdays for Colon, (Panama), Port Limon, (Costa Rica), and Bocas del Toro, (Panama). Thursdays for Belize, (British Honduras), Puerto Barrios, (Guatemala), and Puerto Cortez, (Honduras). Thursdays (Fortnightly) for Bluefields, (Nicaragua. Saturdays for Colon and Bocas del Toro, (Panama). Saturdays for Ceiba and Tela, (Spanish Honduras). Semi-Monthly to Belize, Punta Gorda, Stann Creek, (British Honduras), Livingston and Barrios, (Guatemala), (Freight only).

To Rotterdam and Amsterdam, Holland, Holland-America Line: Steamers: Andijk, Gorredijk; Maartensdijk and Sommelsdijk. The Texas Transport & Terminal Co., Inc., Agents, W. H. Hendren, Local Manager, Whitney-Central bldg., New Orleans, Simpson, Spence & Young, Gen. Managers, 11 Broadway, New York.

To Bluefields, Nic. Norwegian steamers Marietta De Georgis and Escondido of the Bluefields Fruit & Steamship Co., sail weekly with passengers and freight; also semi-monthly sailings to Cape Gracias. Main office: 704 Whitney-Central Bank bldg., New Orleans, La. Henry Blakseley, Agent, Cape Gracias, Nicaragua. S. H. Baker, Mgr., Bluefields Fruit & Steamship Co., Bluefields, Nicaragua.

To Havana, weekly sailings, steamers of the Southern Pacific Co., with passengers and freight. J. H. R. Parsons, Gen. Pass. Agt., New Orleans. C. S. Fay, Gen. Freight Agt., New Orleans, and A. E. Woodell, Gen. Agt., 49 Obispo st., Havana, Cuba.

To Hamburg. Hamburg-American Line. Three steamers monthly. The Texas Transport & Terminal Co., Inc., Agents, W. H. Hendren, Local Mgr., Whitney-Central bldg., New Orleans; Simpson, Spence & Young, Gen. Mgrs., New York City.

To Genoa and Mediterranean ports. The Creole Line. Three sailings a month. The Texas Transport & Terminal Co., Inc. Agents, W. H. Hendren, Local Mgr., Whitney-Central bldg., New Orleans; Simpson, Spence & Young, Gen. Mgrs., New York City.

To Havre. The Compagnie Generale Trans-Atlantic. Two sailings a month. The Texas Transport & Terminal Co., Inc. Agents, W. H. Hendren, Local Mgr., Whitney-Central bldg., New Orleans; Simpson, Spence & Young, Gen. Mgrs., New York City.

To Liverpool direct. Steamers of the Harrison Line, carrying freight only. From New Orleans seven sailings monthly in winter, four sailings monthly in summer; every ten days from Liverpool to Calcutta, S. Africa, Brazil, West Indies, and Spanish Main, Mexican ports, Charente, Liverpool to New Orleans, and Mexico to New Orleans. Principal ships: Wayfarer, Custodian and Mechanician (12,500 tons each), Civilian, Collegian, Historian, Patrician, Politician, Tactician and Huntsman (10,750 tons each) and 39 others. Liverpool address: Charente Steamship Co., Thos. & James Harrison, Managers, Mersey Chambers. Agents in Calcutta: Hoare, Miller & Co. Agent in the United States: Alfred LeBlanc, 814 Gravier st., New Orleans.

To Porto Rico. Steamers Corzal (7,050 tons), Massapequa (7,000 tons), and Montoss (7,050 tons) of the New York and Porto Rico S. S. Co. sail every ten days between New Orleans and Porto Rico direct. Main office, No. 11 Broadway, N. Y. Steamer Ponce (8,000 tons) maintains monthly passenger service between New Orleans and Porto Rico. New Orleans office, 107 Camp st., and offices in all ports in Porto Rico.

To Havre and Bordeaux, France. Compagnie General Transatlantique. The Texas Transport & Terminal Co., Inc., Agents, W. H. Hendren, Local Mgr., Whitney-Central bldg., New Orleans. Simpson, Spence & Young, Gen. Mgrs., 11 Broadway, New York.

To Genoa, Barcelona and Marseilles. Creole Line. The Texas Transport & Terminal Co., Inc., Agents, W. H. Hendren, Local Mgr., Whitney-Central bldg., New Orleans. Simpson, Spence & Young, Gen. Mgrs., 11 Broadway, New York.

Texas Transport & Terminal Co., Inc., W. H. Hendren, Local Mgr., New Orleans. Simpson, Spence & Young, Gen. Mgrs., 11 Broadway, New York.

FROM PENSACOLA, FLA.

To Liverpool. Serra Line; to Antwerp, Flemish Line; to Havre and Dunkirk, Franco-American Line; to Rotterdam, L. & N. Line; to Hamburg, Hamburg-American Line; to Bremen, Teutonic Line; to China and Japan, U. S. & China-Japan S. S. Line "Gulf Service." Agents at Pensacola, Fla., Gulf Transit Co. Funch, Edye & Co., general agents, Maritime bldg., New York. Gulf Transit Co., Agts., Pensacola, Fla.

Serra Line boats from Pensacola to Liverpool; Austro-Americana steamers to such Mediterranean ports as Marseilles, Genoa, Leghorn, Messina, Palermo, Venice, Trieste and Fiume. Also intermittent steamers to London, Glasgow, Belfast, Havre, Antwerp, Rotterdam, Bremen and Hamburg. Funch, Edye & Co., agents, Maritime bldg., New York. Gulf Transit Co., Agts., Pensacola, Fla.

FROM CHARLESTON, S. C.

To Port Antonio, Jamaica. Steamers of the United Fruit Co.'s Steamship Lines, sail weekly, carrying freight both ways, passengers, northbound only. J. C. Hall, Mgr., Charleston, S. C.

FROM PORT TAMPA, FLORIDA.

To Key West and Havana. Steamers of the Peninsular & Occidental S. S. Co. sail regularly with passengers and freight. Chas. L. Myers, Mgr., Jacksonville, Fla.

FROM KNIGHT'S KEY, FLA.

To Key West and Havana. Steamers of the Peninsular & Occidental S. S. Co. sail regularly with passengers and freight. Also run a line during winter months from Miami to Nassau, N. P. (Bahamas), carrying both passengers and freight. Chas. L. Myers, Mgr., Jacksonville, Fla.

FROM JACKSONVILLE, FLA.

To Havana and other North Cuban ports. The Jacksonville Tropical Steamship Co. Steamer Goldsboro.

FROM MOBILE, ALA.

Atlantic & Mexican Gulf S. S. Co. To Vera Cruz, Coatzacoalcos and Progreso, Mexico, leaving Mobile and Galveston, Tex., monthly. Also call at other Mexican ports when sufficient cargo offers. Carry freight and U. S.-Mexican mail. James Gibboney & Co., Gen. Agts., Mobile, Ala. E. W. Gould, Pres., 82-92 Beaver st., New York City.

To Bocas del Toro, Panama, and Limon, Costa Rica. Steamships of the United Fruit Co.'s Steamship Lines sail weekly. T. W. White, commercial agent, Mobile, Ala.

To Cuba. Regular sailings of Munson Steamship Line to Havana, Matanzas, Cardenas, Sagua, Caibarien, Cienfugos, Guantanamo, Manzanillo, Santiago and other ports. James Gibboney & Co., agents, Mobile, Ala. This service is operated on a traffic agreement with the Southern Ry. and Mobile & Ohio R. R. (J. S. Taylor, F. F. A., Mobile, Ala.); also with the Louisville & Nashville R. R. (J. A. Bywater, F. F. A., Louisville, Ky.) Regular sailings of Munson Steamship Line to Colon-Panama. Main office: 82-92 Beaver st., New York.

FROM GALVESTON, TEXAS.

Creole Line. Semi-monthly sailings to Genoa and Mediterranean ports. Texas Transport & Terminal Co., Inc., Agents, F. H. Sage, Local Manager, Galveston, Tex. Simpson, Spence & Young, Gen. Mgrs., 11 Broadway, New York City.

Dania Line. Fortnightly sailings to Danish ports. Texas Transport & Terminal Co., Inc., Agts., Galveston, Tex.

Point Line. Monthly sailings to Liverpool and Bremen. Texas Transport & Terminal Co., Inc., Agts., Galveston, Tex.

United Fruit Co. Irregular to Bocas del Toro (Panama) Santa Marta (Colombia) and Liman (Costa Rica). Freight only.

The Texas Transport Steamship Line. Regular sailings to the chief European ports. The Texas Transport & Terminal Co., Inc., F. H. Sage, Local Mgr., Galveston, Texas. Simpson, Spence & Young, Gen. Mgrs., 11 Broadway, New York City.

To Bremen, Germany, direct. Mail steamers of the North German Lloyd Steamship Co. sail twice a week with passengers and freight.

Galveston to Liverpool. Booth Line, sailing fortnightly, 5th and 20th of each month, with freight and passengers. The Booth S. S. Co. Ltd. Liverpool. Booth & Co., 17 Battery Pl., New York City. Daniel Ripley & Co., Agents, Galveston, Texas.

Galveston and Port Arthur, Tex., to Porto Rico direct. Steamer Santurce (4,000 tons), of the New York & Porto Rico Steamship Co., sails monthly or more often if cargo offers.

To Havre. Ripley Line Sailings fortnightly, 10th and 25th of each month, carrying freight only. Daniel Ripley & Co., Galveston, Tex.

To Vera Cruz, Coatzacoalcos and Progreso, Mexico, monthly sailings, Atlantic & Mexican Gulf S. S. Co. Also call at other Mexican ports when sufficient cargo offers. Carry freight and U. S.-Mexican mail. E. W. Gould, Pres., 82-92 Beaver st., New York; Fowler & McVitie, Agts., Galveston, Tex.

To Trieste, via Barcelona, Venice, Mestre and Fiume. Steamers of the Austro-American Line, carrying freight to Barcelona, Venice, Mestre, Trieste and Fiume. Managers at Trieste, Fratelli, Consulich. Daniel Ripley & Co., Galveston, Tex.

FROM PORT ARTHUR, TEXAS.

To chief European ports. Regular sailings by steamers (carrying freight only) of the Port Arthur (Texas) Trans-Atlantic Line. G. B. Woods, Mngr., Port Arthur, Texas. Simpson, Spence & Young, general managers, 11 Broadway, New York.

To Vera Cruz, Coatzacoalcos and Progreso, Mexico. Atlantic & Mexican Gulf S. S. Co., monthly sailings with freight. E. W. Gould, Pres., 82-92 Beaver st., New York; Fowler & McVitie, agents, Port Arthur, Tex.

See Mexican-American S. S. Co.'s Lines under Galveston.

From Savannah, Ga., to Rotterdam and Amsterdam, Netherlands, Holland-America Line, direct. Sailing fortnightly. General office: Holland-America Line, 39 Broadway, New York. Freight Agents: Burg Line, Savannah, Ga. Company's steamers: Themisto, Callisto, Laandyk, Lldyk.

FROM TEXAS CITY, TEX.

To Tampico and Vera Cruz. Sailing every ten days from New Orleans, La., and Texas City, Tex., by the Wolvin Line, Mexican-American steamship service. Through rates and bills of lading issued to all points in the Republic of Mexico. H. B. Moore, V. P. and Gen. Mgr., Texas City, Tex. Agents elsewhere: J. H. W. Steele Co., New Orleans; James Beattie, A. G. M., Texas City; A. E. Hegewisch, Vera Cruz; C. Cardina, Tampico; C. W. Reed, Puerto, Mexico; R. M. Boulet, Traffic Agt., Mexico City; H. J. Falkenbach, Gen. Agt., Chicago.

FROM CANADIAN PORTS.

To Nassau, Havana and Mexican ports from Montreal in summer and from Halifax in winter. Monthly freight and passenger service of the Elder-Dempster Line. Elder Dempster & Co., Ltd., Agts. Montreal, Can.

Montreal and Quebec to Liverpool weekly, with Canadian mails and passengers, large twin-screw and turbine steamers of the Allan Line; Montreal and Quebec to Glasgow weekly, and every week to Havre and London. The services are maintained during through winter months from St. John and Halifax. H. & A. Allan, Gen. Agts., Montreal, Can.

To Liverpool. Steamers of the White Star Dominion Canadian Service sail Saturdays during summer from Montreal, via Quebec, with passengers and freight, and from Liverpool on Saturdays. For winter service, see sailings from Portland, Me. Office, Jas. Thom, Mgr., 118 Notre Dame st., West Montreal, Can W, M. MacPherson, Agent, 53 Dal-

housie, Quebec, Canada. Liverpool office: 30 James st. Steamers Megantis (14,900), Laurentic (14,982 tons), Canada (9,413 tons), Teutonic (10,000 tons).

Montreal to Rotterdam, Netherlands. Holland-America Line, direct. Sailings fortnightly. General office, Holland-America Line, New York. Freight Agent, J. Thom, 118 Notre Dame St., West, Montreal, Que.

To Bristol. Dominion Line, fortnightly from Montreal and Quebec in summer and Portland in winter, to Avonmouth Dock. Steamers Turcoman (5,829 tons), Cornishman (5,749 tons), Welshman (5,730 tons), Manxman (4,827 tons), Englishman (6,336 tons).

Steamers of the Canadian-Australian Royal Mail Steamship Line from Vancouver and Victoria, B. C., to Sydney, N. S. W., calling at Honolulu, H. I., Suva, Fiji, and Auckland, N. Z., sail every four weeks with mail and passengers. Fleet: Niagara (15,000 tons), Makura (8,075 tons), Aorangi (4,268 tons), Marama, twin-screw (6,437 tons), Moana (3,915 tons), Manuka (4,505 tons). J. C. Irons, Gen. Frt. Agt. for Pacific Coast, 436 Hastings, st., Vancouver, B. C. Agents: Canadian Pacific Ry. Co., head office, Montreal, Can.

From Vancouver, British Columbia, to Japan and China. Ships of the Canadian Pacific Railway with mails and passengers, every two weeks. Principal ships: Empress of Russia (16,850 tons), Empress of Asia (16,850 tons), Empress of India (6,000 tons), Empress of Japan (6,000 tons, Monteagle (6,500 tons. Owners: The Canadian Pacific Railway Co. Head offices: Montreal.

From Montreal to London during summer season vessels of the Thomson Line. Freight steamers, Cervona (6,000 tons), Devona (6,000 tons), Fremona (4,300 tons), Hurona (5,000 tons), Iona (5,000 tons), Iacona (3,000 tons). The Robert Redford Co., Ltd., 23-25 St. Sacrament st., Montreal, Canada.

To Manchester, England, from Montreal. The Manchester Liners, Ltd. Summer service from Montreal, via Quebec, to Manchester; winter service from Halifax, N. S., and St. John, N. B., to Manchester. Sailings weekly. Fast freight boats with accommodation for a limited number of Passengers. Principal ships: Manchester Commerce, Manchester Corporator, Manchester Trader, Manchester Importer, Manchester Corporation, Manchester Shipper, Manchester Engineer, Manchester Inventor, Manchester Exchange. Furness, Withy & Co., Ltd., general agents, 44 St. Francois Xavier st., Montreal, P. Q. C. H. Lemesorie, Wharf Supt.

To London, England, from St. John, N. B., and Halifax, N. S. Steamships of the Furness Line sail fortnightly from St. John, N. B., and Furness Line wharf, Halifax, N. S., carrying freight. Principal ships: Kanawha, Rappahannock, Shenandoah and Digby. Furness, Withy & Co., Ltd., agents, Halifax, N. S., and Montreal, Can. W. Thomson & Co., agents, St. John, N. B., Capt. J. W. Harrison, Supt.

To Liverpool, England, from Halifax, N. S., and St. Johns, Nfld. Steamers of the Furness Line sail fortnightly from Halifax, N. S., calling at St. Johns, N. F. Principal ships: Almeriana, Durango and Tabasco. Furness, Withy & Co., Ltd., agents, Halifax, N. S., and Montreal, Que. Capt. J. W. Harrison, Supt.

Montreal to Rotterdam, Holland. Canada Line. Passenger and freight service, fortnightly sailings. James Thom, Gen. Agt., 118 Notre Dame st. West, Montreal, Que.

Montreal to Bremen, Germany. Canada Line. Passenger service, fortnightly sailings. James Thom, Gen. Agt., Montreal, Que.

Montreal to Hamburg, Germany. Hamburg-American Line, sailings fortnightly with freight during summer months. James Thom, Gen. Agt., 118 Notre Dame St. West, Montreal, Que.

To Liverpool, England, from Montreal. Canadian Pacific Railway Co.'s steamships, Empress of Britain, (14,500 tons), Empress of Ireland (14,500 tons), Lake Manitoba (9,674 tons), Lake Champlain (7,392 tons), Lake Erie (7,550 tons), with mails and passengers sail weekly. During winter sailings are from St. John, N. B. Owners: Canadian Pacific Railway Co., Montreal.

Montreal to London (summer). Cunard Line: Ansonia (8,000 tons), Ascania (10,000 tons), Andama (13,000 tons), Alaunia (13,000 tons), Altonia (13,000). The Robert Redford Co., Ltd., 23-25 St. Sacrament st., Montreal.

St. John, N. B., and Halifax, Nova Scotia, to Cuba. Steamers of the Munson Steamship Line sail regularly to Havana. Main office, 82-92 Beaver st., New York.

Montreal to Glasgow (summer). Donaldson Line Steamers: Athenia (10,000 tons), Cassandra (9,000 tons), Saturnia (9,000 tons), Letitia (10,000 tons. The Robetr Redford Co., Ltd., 23-25 St. Sacrament st., Montreal, Can.

To South African ports (Cape Town, Port Elizabeth, East London and Durban) from Montreal in summer and St. John, N. B. in winter. Steamers of the Elder Dempster Line maintain through service. Boats sailing from Canada monthly. All steamers have cold storage capacity. Several of these steamers have accommodation for a few passengers. Elder Dempster & Co., Ltd., Agts., Montreal.

St. John and Halifax to Havre and London. During the winter months, Dec. 1 to April 30, Allan Line steamers sail fortnightly.

Montreal to Glasgow. Steamers of the Allan Line sail weekly with passengers and freight. H. & A. Allan, agents, Montreal, Can.

FROM PACIFIC COAST PORTS TO THE ORIENT.

From San Francisco to Japan, China and the Philippines, via Honolulu. Steamers of Pacific Mail Steamship Co., sail weekly.

From San Francisco to Hong Kong. Via Honolulu, Yokohama, Kobe, Nagasaki and Shanghai. Steamers Tenyo Maru and Chiyo Maru, triple-screw turbines, 21,000 tons, 21½ knots, America, Maru, Hong Kong Maru and Nippon Maru, twin-screw, 17 knots, of the Toyo Kisen Kaisha (Oriental Steamship Co.) sail about every 17 days with passengers and freight. Ships are steel. Head office; No. 1 Yurakucho Ichome, Kojimachiku, Tokyo, Japan. Assist. Gen. Mgr., at San Francisco; W. H. Avery, Gen. Passenger Agt., W. H. Magee.

From Seattle, Wash. The Nippon Yusen Kaisha fleet, carrying passengers, mail and freight between Seattle, Yokohama, Kobe, Shanghai and Hong

Kong, connecting with the N. Y. K. Australian, European and Bombay Lines, as well as regular sailings for North China, Port Arthur and Vladivostock. Steamers: Awa Maru, Inaba Maru, Tamba Maru, Kamakura Maru, Sado Maru. Head office: Tokyo, Japan, with agents at various ports, being represented in the United States by the various freight and passenger agents of the Great Northern Ry., and Northern Pacific Ry. Seattle local manager: F. M. Studley.

From Seattle, Wash., to Japan, Hong Kong, China and the Philippines. Quarterly sailings by Great Northern Steamship Co.

From Portland, Ore., to Japan, China and Philippine Islands. Steamers of the Portland & Asiatic S. S. Co., sail every month with freight only; from Portland to Hong Kong, touching at Yokohama, Kobe and Moji, Japan, enroute (Manila when business offers). Returning every month from Hong Kong, via Japan ports, call Honolulu and San Francisco when business offers. R. P. Schwerin, V. P. and Gen. Mgr., San Francisco, Cal.; J. W. Ransom, Dock Agt., Portland, Ore.; Fred J. Halton, agent, Hong Kong; R. C. Morton, agent, Shanghai; B. C. Howard, agent, Yokohama; W. W. Campbell, agent, Kobe; Wuriu Shokwai, agents, Moji. H. Hackfeld & Co., agents, Honolulu; Macondray & Co., agents, Manila; Holme, Ringer & Co., agents, Nagasaki.

From Puget Sound Ports to China and Japan. The Ocean Steamship Co., Ltd., and China Mutual S. N. Co. operate a joint line between Tacoma and Seattle, Wash., Victoria and Vancouver, B. C., and Yokohama, Kobe, Shanghai, Hong Kong, Singapore, Colombo, Suez Canal to Liverpool, London and Glasgow, carrying cargo on through bills of lading for all ports in Japan, China, Philippines, Straits Settlements, India.

Australia, New Zealand, Western Australia and European ports, sailings from either end every 28 days. Principal steamers in this service are: Ixion (10,200 tons), Talthybius (10,224 tons), Protesilaus (9,547 tons), Bellerophon (8,954 tons), Cyslops (9,033 tons), Titar (8,980 tons), Teucer (9,046 tons), Antilochus (9,039 tons), Ajax (7,040 tons.) Dodwell & Co., Ltd., agents, Tacoma and Seattle, Wash.; Victoria and Vancouver, B. C.; Portland Ore.; San Francisco,Cal.

From Seattle and Tacoma, Wash., and Vancouver, B. C., to Yokohama, Kobe and Moji, Japan; Hong Kong and Manila, P. I. The Bank Line, Ltd. Steamers: Suveric (14,000 tons), Kumeric (14,000 tons), Orteric (14,000 tons), Luceric (14,000 tons). Sailing every 28 days. Bank Line, Ltd., main office, London. Passenger and freight agents, Northern Pacific Ry., Great Northern Ry., Chicago, Burlington & Quincy Ry., and the Canadian Pacific Ry., at all points in the United States and Canada. Dodwell & Co., Ltd., agents, Hong Kong, Yokohama, Kobe and Shanghai. Macleod & Co., Agts., Manila, P. I. Andrew Weir & Co., agents, London, Eng., Frank Waterhouse & Co., Managing Agents at Seattle and Tacoma, Wash., Victoria and Vancouver, B. C., Portland, Ore., and San Francisco, Cal.

PACIFIC COAST PORTS TO ALASKA.

From Seattle, Wash., to Ketchikan, Metlakahtla, Wrangell, Juneau, Sitka, Haines, Cordova, Seward, Kodiak, Nome, Douglas, Skagway, Valdez, Seldovia, Dutch Harbor, and St. Michael. Following steamers of the Alaska Steamship Co. sail regularly with passengers, freight and United States mail: Victoria (3,502 tons), Northwestern (3,496 tons), Alameda (3,158 tons), Mariposa (3,158 tons), Latouch (1,884 tons), Cordova (2,400 tons), Seward (2,471 tons), Edith (2,369 tons), Jefferson (1,615 tons), Dolphin (824 tons; Santa Ana (767 tons), Dirigo (635 tons), Dora (293) tons). General offices: Seattle, Wash. New York office: 165 Broadway.

PACIFIC COAST TO AUSTRALIA, SAMOA AND HAWAII.

From San Francisco to Australia, Oceanic S. S. Co. performs a 28 day service. Steamers Sonoma and Ventura sailing from foot of Gilbert st., San Francisco every 28 days for Honolulu, Pago Pago, Samoa and Sydney, N. S. W. J. D. Spreckel & Bros. Co., Gen. Agents, 100 Davis st., and 673 Market st., San Francisco. L. F. Cockroft, Gen. Pass. Agent.

From San Fancisco, Cal., and Vancouver, B. C., to Apia (Samoa), Auckland and Sydney, N. S. W., with rail connections to all points in New Zealand and Australia. Monthly sailings. Australian Mail Line. Frank Waterhouse & Co., Inc., Man. Agts., Seattle, Wash. Frank Waterhouse & Co., 217 Winch Bldg., Vancouver, B. C.

Pacific Coast ports to Hawaiian Islands. Steamers of the American-Hawaiian Steamship Co. sail from Puget Sound ports every 12 days. American-Hawaiian S. S. Co., Main Office, 8 Bridge st., New York.

Various Government Bureaus Connected with the Country's Maritime Interests.

DEPARTMENT OF COMMERCE AND LABOR.

BUREAU OF NAVIGATION.

Commissioner of Navigation—E. T. Chamberlain.

Deputy Commissioner—A. J. Tyrer.

SHIPPING COMMISSIONERS—BUREAU OF NAVIGATION.

Baltimore, Md., Albert C. Kirwan.
Bath, Me., Geo. W. Morse.
Boston, Mass., Ernest B. Grant.
Gloucester, Mass., Roderick McDonald.
New Bedford, Mass., Henry C. Hathaway.
New Orleans, La., James C. Baumann.
New York, N. Y., Philip Elting.
Norfolk, Va., Alphonso M. Bullock.
Pascagoula, Miss., Cadmus H. Alley.
Philadelphia, Pa., Augustin R. Smith.
Portland, Me., John D. Prindable.
Port Townsend, Wash., James Knox.
Providence, R. I., Leonard Nichols.
Rockland, Wm. F. Tibbetts.
San Francisco, Cal., Chas. E. Knight.

RADIO INSPECTORS

Boston, Mass., Henry C. Gawler.
New York, N. Y., W. D. Terrell, Robert H. Marriott.
Baltimore, Md., Roy E. Thompson.
San Francisco, Cal., Robert B. Woolverton.
Seatle, Wash., Arthur R. Rice.
Cleveland, O., John F. Dillon.
Chicago, Ill., W. O. Hensgen.
Savannah, Ga., A. C. Pickells.

Navigating Officer,
A. Lincoln Dryden, Motor Boat Tarragon.

BUREAU OF FOREIGN AND DOMESTIC COMMERCE

Chief of Bureau—Albertus H. Baldwin.
Asst. Chief, Division of Statistics—Oscar P. Austin
Asst. Chief of Bureau—E. A. Brand.
Chief, Consular Division—Charles S. Donaldson.
Chief, Division of Foreign Tariffs — Frank R. Rutter.
Chief Clerk—N. Eckhardt Jr.

COAST AND GEODETIC SURVEY.

[New Jersey Ave., near B street, S. E.]

Superintendent, O. H. Tittmann. Assistant Superintendent, F. W. Perkins. Assistant in charge of office, Andrew Braid. Inspector of hydrography and topography, J. J. Gilbert.

BUREAU OF PUBLIC HEALTH SERVICE.

TREASURY DEPARTMENT.

Surgeon-General—Rupert Blue.

Assistant Surgeons-General—A. H. Glennan, in charge of Division of Personnel and Accounts; W. J. Pettus, in charge of Division of Marine Hospitals and Relief; L. E. Cofer, in charge of Division of Foreign and Insular Quarantine and Immigration; J. W. Trask, in charge of Division of Sanitary Reports and Statistics; J. W. Kerr, in charge of Division of Scientific Research and Sanitation; W. C. Rueker, in charge of Division of Domestic (Interstate) Quarantine.

Assistant Surgeon—R. A. Kearny, in charge of Miscellaneous Division.

OFFICERS OF UNITED STATES REVENUE CUTTER SERVICE.

Hon. Franklin MacVeagh, Secretary of the Treasury.

Captain Commandant E. P. Bertholf, Commandant and Chief of Division.

Henry S. Merrill, Assistant Chief, Division of Revenue Cutter Service.

Capt. P. H. Uberroth, Detail Officer, Division of Revenue Cutter Service.

Senior Captain Howard Emery, Superintendent of Construction and Repair.

Chas. A. McAllister, Engineer-in-Chief.

HYDROGRAPHIC OFFICE OF THE UNITED STATES NAVY.

Headquarters, Navy Department, Washington, D. C.

Hydrographer—Commander George F. Cooper, U. S. N.

BRANCH HYDROGRAPHIC OFFICES.

Boston—Board of Trade building.
New York—Maritime Exchange.
Philadelphia—Bourse building.
Baltimore—Custom house.
Norfolk—Custom house.
Savannah—Custom house.
New Orleans—Custom house.
Galveston—City National Bank Building.
San Francisco—Merchants' Exchange.
Portland, Ore.—Custom house.
Port Townsend—Custom house.
Chicago—Post Office bldg.
Cleveland, Ohio—Federal building.
Buffalo, N. Y.—Post Office building.
Sault Ste. Marie, Mich.—Federal building.
Duluth, Minn.—Torrey building.

At all the branch hydrographic offices charts and sailing directions are on hand for inspection by the shipping public. Nautical inquiries are investigated and answered. "Notices to Mariners," Bulletins, Pilot Charts, and other periodical publications are distributed. Daily memorandums of latest items regarding aids and obstructions to navigation on file. These offices exist primarily for the benefit of the merchant marine, and all their services are free.

United States Light-House Service.

NAMES AND ADDRESSES OF THE OFFICERS OF THE BUREAU OF LIGHTHOUSES, TOGETHER WITH THE OFFICERS IN CHARGE OF THE VARIOUS DISTRICTS.

Officers of the Bureau of Lighthouses.

(Department of Commerce and Labor Annex 466 Louisiana Avenue, N. W., Washington, D. C.)
Corrected to Feb. 1, 1913.

Commissioner.....George R. Putnam
Deputy Commissioner.....John S. Conway.
Chief Constructing Engineer.....H. B. Bowerman.
Supt. of Naval Construction.....George Warrington

Officers in charge of the various Lighthouse districts:

1st District—C. E. Sherman, Y. M. C. A. Building, Portland, Me.

2d District—R. H. Goddard, 19 Congress Street, Boston, Mass.

3d District—J. T. Yates, Tomkinsville, N. Y.

4th District—T. J. Rout, Rooms 427-428, P. O. Building, Philadelphia, Pa.

5th District—E. C. Ruland, Rooms 311, 313 and 315 New Custom House, Baltimore, Md.

6th District—H. D. King, Old Post Office Building, Charleston, S. C.

7th District—W. C. Dibrell, Key West, Fla.

8th District—B. B. Dorry, Custom House, New Orleans, La.

9th District—C. A. Laney, San Juan, P. R.

10th District—Roscoe House, Federal Building, Buffalo, N. Y.

11th District—E. L. Woodruff, Post Office Building, Detroit, Mich.

12th District—L. M. Stoddard, Suite 504, Federal Building, Chicago, Ill.

13th District—Major Charles Keller, Corps of Engineers, U. S. A., Federal Bldg., Rock Island Ill.

14th District—Lt. Col. Henry Jervey, Corps of Engineers, U. S. A., Custom House, Cincinnati, Ohio.

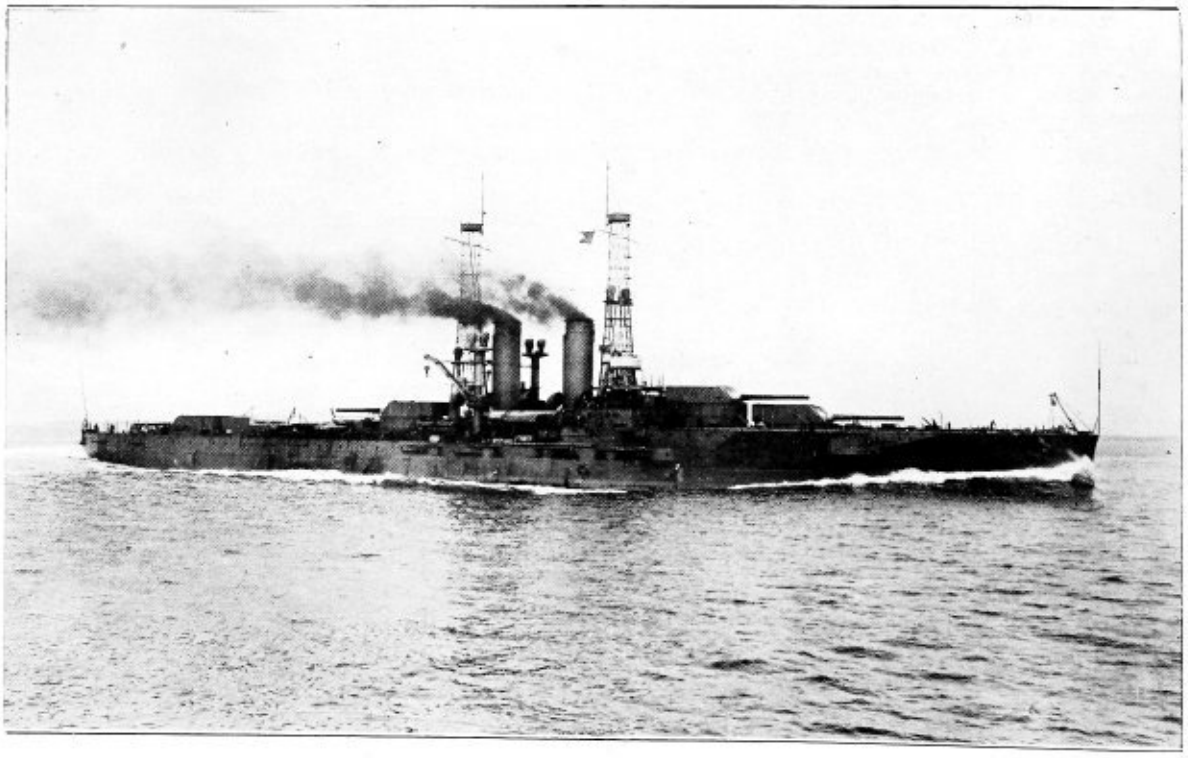
15th District—Col. C. McD. Townsend, Postoffice Building, St. Louis, Mo.

16th District—R. H. Hankinson, Ketchikan, Alaska.

17th District—H. L. Beck, Rooms 301-305 Custom House, Portland, Ore.

18th District—H. W. Rhodes, San Francisco, Cal. Custom House.

19th District—A. E. Arledge, McCandless Building, Honululu, T. H.



BATTLESHIP UTAH

United States Steamboat Inspection Service.

NAMES AND ADDRESSES OF MEMBERS OF THE SUPERVISING BOARD, AS WELL AS ALL MEMBERS OF LOCAL BOARDS THROUGHOUT THE COUNTRY.

George Uhler, Supervising Inspector-General, Washington, D. C.; Dickerson N. Hoover, Jr., chief clerk.

Clerks in office of Supervising Inspector-General—Calvin C. J. Norris, Walter F. Aycock, David A. Heyser, Herman H. Bredekamp, Clarence I. Fox, F. J. de Moll.—Alexander Freeman, messenger.

SUPERVISING INSPECTORS.

First district.—John K. Bulger, San Francisco, Cal.
Second district.—Henry M. Seeley, New York, N. Y.
Third district.—John W. Oast, Norfolk, Va.
Fourth district.—Joseph J. Dunn, St. Louis, Mo.
Fifth district.—John D. Sloane, Boston, Mass.
Sixth district.—Eugene L. Dorsey, Louisville, Ky.
Seventh district.—Daniel J. Dougherty, Pittsburgh, Pa.
Eighth district.—Charles H. Westcott, Detroit, Mich.
Ninth district.—Nils B. Nelson, Cleveland, Ohio.
Tenth district.—John A. Cotter, New Orleans, La.

TERRITORY EMBRACED IN SUPERVISING DISTRICTS.

First district embraces all waters and rivers of the United States west of the Rocky Mountains, and the Hawaiian Islands.

Second district embraces all the waters of Long Island Sound west of the Connecticut River and the tributaries thereto, that portion of Long Island lying west of Riverhead, and the waters of the Atlantic coast, rivers, and tributaries from Long Island to Cape Charles.

Third district embraces the waters of the Atlantic coast, rivers, and tributaries between Cape Charles and Cape Sable.

Fourth district embraces the Mississippi River and tributaries from above Greenfield, Mo., to the head of navigation on the Missouri River, and to the head of navigation on the Illinois River.

Fifth district embraces the waters of the Atlantic coast, rivers, and tributaries from the eastern boundary of the United States to and including the Connecticut River, and that portion of Long Island east of and including Riverhead.

Sixth district embraces the Ohio River and tributaries up to and including Carrollton, Ky., and the Mississippi River and tributaries from Greenville, Miss., up to and including Greenfield, Mo.

Seventh district embraces the Ohio River and tributaries above Carrollton, Ky.

Eighth district embraces all the waters of the Great Lakes north and west of Lake Erie with their tributaries.

Ninth district embraces all the waters of the River St. Lawrence, Lakes Erie, Ontario, and Champlain, and their tributaries.

Tenth district embraces the coast and tributary waters of the Gulf of Mexico, between Cape Sable and the mouth of the Rio Grande, and the Mississippi River and tributaries to Greenville, Miss., and Porto Rico.

CLERKS TO LOCAL BOARDS

Thomas R. Craigie, San Francisco, Cal.
Hugo Hauser, San Francisco, Cal.
Ambrose A. Clarke, San Francisco, Cal.
James J. Sullivan, Honolulu, Hawaii.
Harold M. Brown, Juneau, Alaska.
Arthur F. Merrill, Portland, Ore.
Jerome A. Desio, St. Michael, Alaska.
Willis H. Rooks, Seattle, Wash.
Wesley E. Walker, Seattle, Wash.
Frank J. Dunlea, New York, N. Y.
William H. Geoghan, New York, N. Y.
Michael G. Appel, New York, N. Y.
Thomas B. Martin, New York, N. Y.
William C. Osborne, New York, N. Y.
Joseph Specter, New York, N. Y.
Garrett F. Malloy, New York, N. Y.
Harold Schum, New York, N. Y.
Thomas J. Reilly, Albany, N. Y.
John S. Conway, New Haven, Conn.
James E. Gallagher, Philadelphia, Pa.
William E. McFarland, Philadelphia, Pa.
Chas. W. Loux, Philadelphia, Pa.
George M. Kitzmiller, Norfolk, Va.
Wm. G. Collings, Norfolk, Va.
Chas. L. Wiegand,, Baltimore, Md.
George B. Sprow, Jr., Baltimore, Md.
George E. Meddaugh, Baltimore, Md.
Harry F. Kabernagel, Charleston, S. C.
George A. Gregory, Savannah, Ga.
Henry E. Folluo, St. Louis, Mo.
Wm. R. Oliver, Dubuque, Iowa.
George A. Copeland, Boston, Mass.
John M. B. Kelly, Boston, Mass.
John J. J. Halloran, Boston, Mass.
Horace N. Woodruff, Bangor, Me.
John J. McIntee, New London, Conn.
Wm. H. O'Brien, Portland, Me.
James N. Stover, Providence, R. I.
Edward L. Sullivan, Providence, R. I.
Arley R. Kimmerling, Louisville, Ky.
Emory F. Kohlmeier, Evansville, Ind.
Harry A. Harrington, Memphis, Tenn.
Ozro W. Brumfiel, Nashville, Tenn.
Victor M. Grubb, Pittsburgh, Pa.
Henry Lindsay, Pittsburgh, Pa.
Augustus W. Snyder, Cincinnati, Ohio.
William E. Monroe, Point Pleasant, W. Va.
Alfred J. Doyle, Detroit, Mich.
Arthur E. Schutt, Chicago, Ill.
Donald McLennan, Duluth, Minn.
Elmer C. Hurless, Grand Haven, Mich.
Elmer H. Becktell, Marquette, Mich.
Lee R. Whitney, Milwaukee, Wis.
David McArron, Port Huron, Mich.
Edward Lawlor, Cleveland, Ohio.
William B. Hubbard, Cleveland, Ohio.
John E. Mulroy, Buffalo, N. Y.
Harold R. Bassett, Buffalo, N. Y.
John P. McBride, Burlington, Vt.
Charles F. Hager, Oswego, N. Y.
Edward M. Mansuy, Toledo, Ohio.
George J. West, New Orleans, La.
Frederick F. Gensler, New Orleans, La.
Wm. J. Glasgow, Apalachicola, Fla.
Joseph G. Sherfy, Galveston, Tex.
J. Brooks Clark, Mobile, Ala.

Boards of Local Inspectors

District.	Port.	Of hulls.	Of boilers.
FIRST	San Francisco, Cal	James Guthrie	Joseph P. Dolan.
	do	Cecil Brown, assistant	John E. Wynn, assistant.
	do	Charles F. Herriman, assistant	Thomas J. Young, assistant.
	do	Frank H. Turner, assistant	John B. Wolters, assistant.
	do	John N. Ansell, assistant	George B. Quinn, assistant.
	Honolulu, Hawaii	William Howe	Thomas J. Heeney.
	Juneau, Alaska	Geo. H. Whitney	Thomas E. Kell.
	Portland, Ore.	Edward S. Edwards	Geo. F. Fuller.
	St. Michael, Alaska	Thomas P. Deering	Carl F. Lehners.
	Seattle, Wash.	Bion B. Whitney	Robert A. Turner.
	do	Evan Griffiths, assistant	Harry C. Lord, assistant.
	do	William Fisher, assistant	Frank H. Newhall, assistant.
	do	Henry S. Smith, assistant	Thomas Short, assistant.
	do	Donald S. Ames, assistant	George Q. Weldin, assistant.1
SECOND	New York, N. Y.	Geo. T. Charlton	John L. Crone.
	do	Edward Keane, assistant	Wm. G. Fenwick, assistant.
	do	Frank J. Smith, assistant	William H. Powers, assistant.
	do	Charles M. Bunce, assistant	Richard F. Wilson, assistant.
	do	Thos. H. Foster, assistant	John E. Wilson, assistant.
	do	Joseph Watkinson, assistant	John W. Fleming, assistant.
	do	William Norman, assistant	John J. McCarthy, assistant.
	do	Henry Wellman, assistant	John Wright, assistant.
	do	Cornelius H. Smith, assistant	John E. Gunn assistant.
	do	Everett J. Millikin, assistant	Jesse O. Arkebauer, assistant.
	do	H. McG. Taylor, assistant	Alfred G. Knights, assistant.
	do	Hector R. Campbell, assistant	Frank C. Williams, assistant.
	do	Alan S. Johnstone, assistant	Frederick M. Jennings, assistant.
	do	Humphrey Jones, assistant	John B. Hayward, assistant.2
	do		Edward G. Allen, assistant.3
	Albany, N. Y.	Robert B. Keller	Andrew Gaul.
	New Haven, Conn.	Victor E. Wright	Frederick L. Dennis.
	Philadelphia, Pa.	Redford A. Sargent	David H. Howard.
	do	Harry S. Miller, assistant	Samuel A. Mills, assistant.
	do	Hannon M. Power, assistant	Wilfred Dougherty, assistant.
	do	Hugh MacPherson, assistant	Clement A. Mattson, assistant.
	do	Peter C. Rickmers, assistant	Joseph N. J. Seltzer, assistant.
THIRD	Norfolk, Va.	Robert E. Tapley	Edward W. Bray.
	do	Alexander Calcott, assistant	Thomas J. Halnon, assistant.
	do	Charles Thompson, assistant	Henry L. Simpson, assistant.
	Baltimore, Md.	Chas. W. Wright	Edwin F. White.
	do	Richard Dunn assistant	Michael Stanton, assistant.
	do	August E. Blom, assistant	David C. Young, assistant.
	do	Paul H. Tyler, assistant	John Milne, assistant.
	Charleston, S. C.	Frederick B. Rice	Joseph K. Cotton.
	Jacksonville, Fla.	James F. Tyler	John J. Strauchon.
	Savannah, Ga.	Wm. G. Lee	Edward B. Fitzgerald.
FOURTH	St. Louis, Mo.	Rees V. Downs	Wm. J. Macdonald.
	Dubuque, Iowa	George B. Knapp	James I. Cary.
FIFTH	Boston, Mass.	John F. Blain	Andrew J. Savage.
	do	Oscar G. Haines, assistant	Wm. M. Gilman, assistant.
	do	Ernest D. Sproul, assistant 4	Frank L. Goudey, assistant.
	do	Frank C. Lane, assistant	Albert R. Jackson, assistant.4
	Bangor, Me.	Chas. O. Cousins	Walter L. Blaisdell.
	New London, Conn.	Wm. E. Withey	John Stewart.
	Portland, Me.	Henry L. Thompson	John H. Trevett.
	Providence, R. I.	George F. Waite	Chas. A. Potter.
SIXTH	Louisville, Ky.	John E. Abraham	George R. Bower.
	Evansville, Ind.	Richard H. Williams	Wallace Tomey.
	Memphis, Tenn.	John B. Wyckoff	Charles T. Greenwood.
	Nashville, Tenn.	George M. Green	Joe M. St. John.
SEVENTH	Pittsburgh, Pa.	Isaac B. Williams	Charles G. Thomas.
	Cincinnati, Ohio	John K. Peyton	George W. Dameron.
	Point Pleasant, W. Va.	Wm. H. Clark	James W. Kidney.
EIGHTH	Detroit, Mich.	Frederick J. Meno	George M. Milne.
	Chicago, Ill.	Ira B. Mansfield	Roy L. Peck.
	Duluth, Minn.	John Monaghan	Michael F. Chalk.
	Grand Haven, Mich.	Robert Reid	Charles C. Eckliff.
	Marquette, Mich.	Charles M. York	Charles M. Gooding.
	Milwaukee, Wis.	Frank W. Van Patten	William A. Collins.
	do	Thos. W. Swift, assistant	John T. Farnham, assistant.
	do	John F. Hansen, assistant 5	George Purvis, assistant.5
	do	Gustav E. Atkinson, assistant 6	William Nicholas, assistant.6
	do	Samuel Thurston, assistant 7	Ralph H. Reynolds, assistant 7
	Port Huron, Mich.	Henry C. McCallum	Frank Van Liew.
NINTH	Cleveland, Ohio	Thomas W. Gould	James McGrath.
	Buffalo, N. Y.	Frederick L. R. Pope	Wm. P. Nolan.
	do	James M. Todd, assistant	Robert Noone, assistant.
	do	David A. Curran, assistant 8	Silas H. Hunter, assistant.8
	Burlington, Vt.	W. Warren Rockwell	Andrew I. Goodhue.
	Oswego, N. Y.	Charles A. Potter	Robert Chestnut.
	Toledo, Ohio		Wm. F. Plietz.
TENTH	New Orleans, La.	Benjamin F. Kelly	Cecil N. Bean.
	do	Robert J. McBride, assistant	Peter J. Dromgool, assistant
	do	Henry O. Lueders, assistant	Robert F. Hall, assistant.
	Apalachicola, Fla.	George H. Whiteside	Alton Pierce.
	Galveston, Tex.	John Leech	Felix Smith.
	Mobile, Ala.	Samuel Taylor	Eugene O'Brien.
	San Juan, P. R.	Wm. K. Martin	Harold F. Bean.

1 Detailed to Portland, Ore.
2 Detailed to Pittsburgh, Pa.
3 Detailed to Coatesville, Pa.
4 Detailed to Providence, R. I.
5 Detailed to Detroit, Mich.
6 Detailed to Chicago, Ill.
7 Detailed to Grand Haven, Mich
8 Detailed to Cleveland, Ohio.

United States Collectors of Customs.

CORRECTED TO FEB. 1, 1913

NOTE.—Second name in brackets following name of port is name by which the district is known. The collector at Juneau, for instance, is in charge of all of Alaska, which is in one district, known as Alaska district; Eureka, Cal., is the headquarters for what is known as Humboldt district; Bridgeport, Conn., headquarters of Fairfield district, etc., etc.

STATE.	PORT.	NAME.
Alabama	Mobile	Hugh G. Ashley.
Alaska	Juneau (Alaska)	John R. Willis
Arizona	Nogales (Arizona)	Cornelius O'Keefe
California	San Francisco	Frederick S. Stratton.
California	Los Angeles	Cornelius W. Pendleton.
California	San Diego	Walter T. Blake.
California	Eureka (Humboldt)	Sterling A. Campbell.
Connecticut	Bridgeport	Fred Enos.
Connecticut	Hartford	Frank S. Kellogg.
Connecticut	New Haven	J. Rice Winchell.
Connecticut	New London	Vacant.
Connecticut	Stonington	Charles T. Stanton.
Delaware	Wilmington (Delaware)	Harry Raymond.
District of Columbia	Washington (Georgetown)	Whitfield McKinlay.
Florida	Apalachicola	Antoine J. Murat.
Florida	Fernandina	John W. Howell.
Florida	Pensacola	William H. Northup.
Florida	St. Augustine	Benjamin E. Dyson.
Florida	Jacksonville	William H. Lucas.
Florida	Cedar Keys (St. Marks)	Henry G. Nelson.
Florida	Key West	George W. Allen.
Florida	Tampa	Matthew B. Macfarlane.
Georgia	Brunswick	Henry T. Dunn.
Georgia	Savannah	William R. Leaken
Georgia	St. Marys	John M. Holzendorf.
Hawaii	Honolulu (Hawaii)	Edward R. Stackable.
Illinois	Chicago	John C. Ames.
Louisiana	New Orleans	Clarence S. Hebert.
Louisiana	Brashear (Teche)	Jno. A. Thornton.
Maine	Houlton (Aroostook)	William W. Sewall.
Maine	Bangor	Albert R. Day.
Maine	Bath	Elwell S. Crosby.
Maine	Belfast	Samuel W. Johnson.
Maine	Castine	John M. Vogell.
Maine	Ellsworth (Frenchman's Bay)	Omar W. Tapley.
Maine	Machias	Frank L. Shaw.
Maine	Kennebunk	Geo. E. Cousens.
Maine	Eastport (Passamaquoddy)	Jacob C. Pike.
Maine	Portland (Portland and Falmouth)	Willis T. Emmons.
Maine	Saco	William L. Gerrish
Maine	Waldoborough	Fred W. Wight.
Maine	Wiscasset	Herbert W. Hawes.
Maine	York	Herbert D. Philbrick.
Maryland	Annapolis	John K. Gladden (Dep. Collector)
Maryland	Baltimore	William F. Stone.
Maryland	Crisfield (Eastern Maryland)	Thomas E. Stevenson (Dep. Col.)
Massachusetts	Barnstable	Thacher T. Hallet.
Massachusetts	Boston (Boston and Charlestown)	Edwin U. Curtis
Massachusetts	Edgarton	Charles H. Marchant
Massachusetts	Fall River	Edward T. Marvell.
Massachusetts	Gloucester	Walter F. Osborne.
Massachusetts	Marblehead	Luke B. Colbert.
Massachusetts	Nantucket	Obed G. Smith.
Massachusetts	New Bedford	Vacant.
Massachusetts	Newburyport	Harold A. Besse (Dep. Collector).
Massachusetts	Plymouth	Herbert Morrissey.
Massachusetts	Salem (Salem and Beverley)	David M. Little.
Michigan	Grand Haven (Michigan)	Walter L. Lillie.
Michigan	Detroit	John B. Whelan.
Michigan	Marquette (Superior)	Charles J. Byrns.
Michigan	Port Huron (Huron)	John T. Rich
Minnesota	St. Paul (Minnesota)	Marcus Johnson.
Minnesota	Duluth	Levi M. Willcuts.
Mississippi	Gulfport	William R. Moseley.
Mississippi	Natchez	Cyrus G. Engle.
Mississippi	Vicksburg	Joseph H. Short (Dep. Collector.)
Montana	Great Falls (Montana and Idaho)	John G. Bair.
New Hampshire	Portsmouth	Sherman T. Newton.
New Jersey	Bridgeton	Wm. B. Boone.
New Jersey	Camden (Assistant Collector)	William H. Turnbull.
New Jersey	Jersey City (Assistant Collector)	John Doscher.
New Jersey	Burlington	Reginald Branch.
New Jersey	Somers Point (Great Egg Harbor)	Lewis R. Barrett.
New Jersey	Tuckerton (Little Egg Harbor)	Frank W. Leach.
New Jersey	Newark	Alfred N. Dalrymple.
New Jersey	Perth Amboy	C. Asa Francis.
New York	Buffalo (Buffalo Creek)	Frederick O. Murray.
New York	Cape Vincent	Frank D. Low.
New York	Plattsburg (Champlain)	John F. O'Brien
New York	Dunkirk	John Bourne.
New York	Rochester (Genesee)	Geo. F. Roth.
New York	New York	William Loeb, Jr.
New York	Niagara Falls (Niagara)	John A. Merritt.
New York	Ogdensburg (Oswegatchie)	William H. Daniels.
New York	Oswego	John S. Parsons.
New York	Sag Harbor	Frank W. Corwin (Dep. Collectors)
North Carolina	Beaufort	C. D. Jones.

United States Collectors of Customs – continued.

STATE.	PORT.	NAME.
North Carolina	Newbern (Pamlico)	Vacant.
North Carolina	Elizabeth City (Albemarle)	Dascar O. Newberry.
North Carolina	Wilmington	Benjamin F. Keith.
North Dakota	Pembina (North and South Dakota)	Judson LaMoure Jr.
Ohio	Cleveland (Cuyahoga)	Maurice Maschke
Ohio	Toledo (Miami)	George W. Huntley.
Ohio	Sandusky	Chas. A. Judson.
Oregon	Astoria	William F. McGregor
Oregon	Portland	Philip S. Malcolm.
Oregon	Coos Bay	Morton Tower.
Oregon	Yaquina	Orlando V. Hurt.
Pennsylvania	Philadelphia	Chester W. Hill.
Pennsylvania	Erie	Benjamin B. Brown.
Porto Rico	San Juan (Porto Rico)	Donald E. Richardson.
Rhode Island	Bristol (Bristol and Warren)	Chas. A. Barbour.
Rhode Island	Newport	William P. Carr.
Rhode Island	Providence	George W. Gardiner.
South Carolina	Beaufort	Robert Smalls.
South Carolina	Charleston	Edward W. Durant, Jr.
South Carolina	Georgetown	Isaiah J. McCottrie.
Texas	Brownsville (Brazos de Santiaga)	Rentfro B. Creager.
Texas	Eagle Pass (Saluria)	James A. Harvin.
Texas	Galveston	Francis L. Lee.
Texas	El Paso (Paso del Norte)	Alfred L. Sharpe.
Texas	Corpus Christi	Jas. J. Haynes.
Texas	Port Arthur (Sabine)	Russell H. Dunn.
Vermont	Burlington (Vermont)	Chas. H. Darling.
Vermont	Newport (Memphremagog)	Curtis S. Emery.
Virginia	Alexandria	Lewis McK. Bell.
Virginia	Cape Charles City (Cherrystone)	Marion H. Stevenson.
Virginia	Newport News	Fred Reed.
Virginia	Norfolk (Norfolk and Portsmouth)	Floyd Hughes.
Virginia	Petersburg	H. Claiborne Willson.
Virginia	Richmond	Benjamin B. Arnold.
Virginia	Tappahannock	John Rosler.
Washington	Port Townsend (Puget Sound)	Frederick C. Harper.
Wisconsin	Milwaukee	G. Edw. Schultz.

Officers of United States Life-Saving Service.

General Superintendent—Sumner I. Kimball, Washington, D. C.

Assistant General Superintendent — Oliver M. Maxam, Washington, D. C.

Principal Clerk—Henry L. Gosling, Washington, D. C.

Inspector of Life-Saving Stations—Senior Capt. Daniel P. Foley, U. S. Revenue Cutter Service, Washington, D. C.

DISTRICT SUPERINTENDENTS.

First district—Silas H. Harding, Portsmouth, N. H.

Second district—George W. Bowley, Provincetown, Mass.

Third district—Herbert M. Knowles, Wakefield, R. I.

Fourth district—Arthur Dominy, Bayshore, N. Y.

Fifth district—John S. Cole, 205 and 206 Post-Office Building, Asbury Park, N. J.

Sixth district—Wm. E. Tunnell, Lewes, Del.

Seventh district—Patrick H. Morgan, Shawboro, N. C.

Eighth district—Hiram B. Shaw, 205 Main st., Jacksonville, Fla.

Ninth district—Wm. A. Hutchings, Galveston, Texas.

Tenth district—Edwin E. Chapman, Buffalo, N. Y.

Eleventh district—Jerome G. Kiah, Harbor Beach, Mich.

Twelfth district—Chas. Morton, Grand Haven, Mich.

Thirteenth district—Otto Wellander, Rooms 311 and 312 Custom house, San Francisco, Cal.

ASSISTANT INSPECTORS.

First and Second districts—Lieut. Charles Satterlee, U. S. Revenue Cutter Service, Room 201, Equitable bldg., Boston, Mass.

Third and Fourth districts—

Fifth district—

Sixth district—Capt. John C. Cantwell, U. S. Revenue Cutter Service, Salisbury, Md.

Seventh district—Capt. William Edward Wyatt Hall, U. S. Revenue Cutter Service, Elizabeth City, N. C.

Eighth and Ninth districts—Capt. Byron L. Reed, U. S. Revenue Cutter Service, Postoffice and Custom House bldg., Savannah, Ga.

Tenth and Eleventh districts—Capt. Francis A. Levis, R. C. S., Room 204, Post Office bldg., Detroit, Mirh.

Twelfth district—Capt. Andrew J. Henderson, R. C. S., 500 Federal bldg., Chicago.

Thirteenth district—Capt. Johnstone H. Quinan, U. S. Revenue Cutter Service, coasts of Washington, Oregon and California, Rooms 311 and 312 Custom House, San Francisco, Cal.

Board on Life-Saving Appliances—Otto H. Tittman, superintendent U. S. Coast and Geodetic Survey, Washington, D. C.; Col. David A. Lyle, Ordnance Department, U. S. Army (retired); Silas H. Harding, Supt. First Life Saving Dist., Portsmouth, N. H.; Jerome G. Kiah, Supt., Eleventh Life Saving Dist., Harbor Beach, Mich.; Herbert M. Knowles, Supt. Third Life Saving Dist., Wakefield, Rhode Island; Edwin E. Chapman, Superintendent Tenth Life Saving Dist, Buffalo, N. Y.

Executives of the United States Navy Department.

Secretary of the navy—Josephus Daniels.

Assistant secretary of the navy—Franklin D. Roosevelt.

Judge-advocate-general—Capt. Robert L. Russell.

Chief of bureau of yards and docks—Civil Engineer Homer R. Stanford.

Hydrographer of the navy—Com'dr George F. Cooper.

Chief of bureau of navigation—Rear-Admiral Philip Andrews.

Chief intelligence officer—Capt. Thomas S. Rodgers.

Chief of bureau of ordnance—Read-Admiral Nathan C. Twining.

Chief of bureau of construction and repair—Chief Constructor Richard M. Watt.

Chief of bureau of steam engineering—Engineer-in-Chief Hutch I. Cone.

Chief of bureau of supplies and accounts—Paymaster-general Thomas J. Cowie.

Chief of bureau of medicine and surgery—Surgeon-General Charles F. Stokes.

Admiral of the navy—George Dewey, President General Board.

Rear-admirals on the active list are:

Captain Wm. L. Rodgers, U. S. N., President Naval War College.

Captain Wm. B. Caperton, U. S. N., Commandant Naval Sta., Narragansett Bay, R. I.

Rear-admirals on the active list are:

Joseph B. Murdock, general board, Navy Dept., Washington, D. C.

Hugo Osterhaus, general board, Navy Dept., Washington, D. C.

Charles E. Vreeland, aid for operations, Navy Dept., Washington, D. C.

Aaron Ward, supervisor of harbor of New York, N. Y.

Wm. H. H. Sutherland, commander-in-chief, U. S. Pacific fleet.

Albert Mertz, Governor, Naval Home, Philadelphia, Pa.

Vincendon L. Cottman, Commandant, Navy Yard, Puget Sound, Wash.

Thomas B. Howard, President, naval examining and retiring boards, Navy Yard, Washington, D. C.

Walter C. Cowles, Commandant, naval station, Honolulu, Hawaii.

Austin M. Knight, commander-in-chief, special service squadron.

Charles J. Badger, commander-in-chief, Atlantic fleet.

Reginald F. Nicholson, commander-in-chief, U. S. Asiatic fleet.

Charles B. T. Moore, en route to Honolulu for duty as commandant.

Alfred Reynolds, commander-in-chief, Pacific Reserve fleet.

Bradley A. Fiske, aid for inspections, Navy Dept., Washington, D. C.

George B. Ransom, general inspector of machinery for the navy.

John R. Edwards, President, board of inspection for shore stations, Navy Dept., Washington, D. C.

James M. Helm, Commandant, Navy Yard, Charleston, S. C.

Albert B. Willits, special duty, Navy Dept., Washington, D. C.

Cameron McR. Winslow, commander first division, U. S. Atlantic fleet.

Nathaniel R. Usher, commander, third division, U. S. Atlantic fleet.

Frank F. Fletcher, commander, second division, U. S. Atlantic fleet.

Frank E. Beatty, commander, fourth division, U. S. Atlantic fleet.

Robert M. Doyle, commandant, Navy Yard, Norfolk, Va.

Colleges of the United States Offering Courses in Marine Engineering and Naval Architecture.

University of Michigan.

Mass. Institute of Technology.

Webb's Academy, Fordham Heights, N. Y.

Sibley College, Cornell University, Ithaca, N. Y.

Canada's Shipping Officials.

HEADS OF VARIOUS BUREAUS IN THE DEPARTMENT OF MARINE AND FISHERIES.

Minister of Marine and Fisheries.....
....Hon. John Douglas Hazen, K. C., Ottawa.
Deputy Minister of Marine and Fisheries.....
.....A. Johnston, Ottawa.
Assistant Deputy Minister..C. Stanton, Ottawa.
Private Secretary to Minister....Gustave Heidman.
Chief Engineer.....W. P. Anderson, Ottawa.
Purchasing Agent .....C. Doutre, Ottawa.
Commissioner of Fisheries and International Commissioner .....
E. E. Prince, B. A., L.L. D., F. R. S. C., Ottawa.
Superintendent of Fisheries.....
.....W. A. Found, Ottawa.
Commander of Marine Service and General Superintendent of Life Saving Stations.....
.....Commander H. Thompson, R. N., Ottawa.
Assistant Chief Engineer..B. H. Fraser, Ottawa.
Accountant .....A. Boyle, Ottawa.
Chief Clerk, Marine Correspondence.....
.....J. B. Halkett, Ottawa.
Chief Fishing Bounty Branch..S. B. Kent, Ottawa.
Chief Fisheries Correspondence Branch.....
.....L. H. Martell, B. A., Ottawa.
Chief—French Translation Branch.....
.....L. Bance, Ottawa.
Chief—Records Branch.....
.....J. E. McClenaghan, Ottawa,
Curator, Fisheries Museum....A. Halkett, Ottawa.
Commissioner of Lights,..J. G. Macphail, Ottawa.
Chief Draughtsman.....L. E. Cote, Ottawa.
Superintending Engineer St. Lawrence Ship Channel.....V. F. W. Forneret, Ottawa.
Commissioner of Wrecks, H. F. George, Lindsay.
Superintendent of Agencies....A. De B. Tremaine.
Director of Shipyards Sorels.....W. L. Jackson.

AGENTS—DEPARTMENT MARINE AND FISHERIES.

Quebec, Q. .....T. Beland.
Montreal, Q. .....R. A. Wiallard.
St. John, N. B. .....G. H. Flood.
Halifax, N. S. .....Charles H. Harvey.
Victoria, B. C.....Geo. E. Robertson.
Charlottetown, P. E. I. .....T. G. Taylor.

SUPERINTENDENTS OF LIGHTS.

Halifax, N. S.....P. C. Johnson.
Ottawa, Ont.....P. Harty.
St. John, N. B.....John Kelly.
Quebec, Q. .....B. J. Kaine.
Montreal, Q., Assistant Inspector, Capt. J. D. Weir.
Victoria, B. C. .....Gordon Halkett.

EXAMINERS OF MASTERS AND MATES.

Acting Chief Examiner, Wm. R. Logan....Ottawa.
Collingwood, Ont.....Capt. C. C. Coles.
Montreal, Q. .....Capt. James Riley.
Nelson, B. C.....Lieut. Gordon Hallett.
Vancouver, B. C.....Capt. Chas. Eddie.
Victoria, B. C.....Vacant.
Yarmouth, N. S.....Jas. E. Murphy.
North Sydney, N. S.....Capt. James Sutherland.
Lunenburg, N. S..... .....A. J. Wolff.
Charlottetown, P. E. I.....Capt. A. Cameron
Edmonton, Alberta .....Capt. A. D. Grant.

LIGHTH (1SF 1C/1D

Chairman, A. Johnston, Deputy Minister, Ottawa.
Lieut. W. P. Anderson, Chief Engineer, Ottawa.
J. G. McPhail, Commissioner of Lights.....
.....Ottawa, Ont.
B. H. Fraser, Assistant Chief Engineer.....
.....Ottawa, Ont.
V. W. F. Forneret, Superintending Engineer of St. Lawrence Ship Channel
Hugh A. Allan, representative of Shipping Federation, Montreal; Jas. Playfair, Midland, Ont. President Dominion, Marine Association; Captain J. W. Troop, Victoria, B. C.; Secretary, F. H. Houde.

HARBOR MASTERS—PROVINCE OF ONTARIO.

Amherstburg .....Geo. Gott.
Bronte .....Thos. Joyce.
Byng Inlet .....H. L. Grasswell.
Collingwood .....William F. Toner.
Depot Harbor.....J. O. O'Grady.
Fort William.....James McAllister.
French River .....C. D. D. Udy.
Goderich .....Capt. Malcom McDonald.
Little Current .....W. D. Ritchie.
Meaford .....Samuel McClain.
Midland .....John White.
Oshawa.....Wm. T. Henry.
Owen Sound .....Wm. H. Smith.
Parry Sound .....Basil Taylor.
Penetanguishene .....Peter Light.
Port Arthur .....Basile Guerard.
Fort Stanley .....F. R. Dale.
Rondeau.....W. R. Fellowes.
Southampton .....W. H. Johnson.
Sarnia .....Robert McAdam.
.....S. L. Penkerwood.
Trenton .....Joseph Coutts.
Victoria Harbor .....Thomas Nottingham.
Whitby .....John Watson, Jr.

NAUTICAL ASSESSORS.

Montreal.....Capt. A. Reid.
Quebec.....Capt. J. Temple

INSPECTORS OF BOILERS AND MACHINERY OF STEAMBOATS.

Assistant Chairman of Board, Frank McDonnell ..... Ottawa.
Halifax, N. S. .....Norman A. Currie.
St. John, N. B.....C. E. Dalton.
Collingwood, Ont. .....E. W. McKean.
Toronto, Ont.....John Dodds.
Toronto, Ont. .....James B. Stewart.
Toronto, Ont. .....George. M. Arnold.
Kingston, Ont.....T. P. Thompson.
Ouebec .....J. H. Fontaine.
Montreal .....W. Laurie.
Montreal .....James E. Lunan.
Sorel, Que. .....F. H. Hamelin.
Kenora, Ont.....G. P. Phillips.
Port Arthur .....W. J. Vigars
Vancouver, B. C. .....H. G. Robinson.
Vancouver, B. C.....Alfred Edward Hopper.
Victoria, B. C. .....William J. Cullum.

INSPECTORS OF HULLS.

Toronto, Ont.....W. Evans.
Quebec, Q.....Philip Duclos.
St. John, N. B.....I. J. Olive
Halifax, N. S .....A. McDougall
Kingston, Ont.....Matthew R. Davis.
Kenora, Ont.....G. P. Phillips.
Collingwood, Ont. .....S. D. Andrews.
Victoria, B. C.....F. F. Pickard.

METEOROLOGICAL SERVICE.

Toronto .....R. F. Stupart, F. R. S., Director

Fleet Engineers of the Principal Steamship Lines of the United States.

Alison, W. H., for Pacific Coast Steamship Co., San Francisco, Cal.
Allwork, Roland, 24 State st., for Panama R. R. S. S. Line, N. Y. City.
Ancker, W., B. & O. R. R., Baltimore, Md.
Arnold, A., for Pickands, Mather & Co., Western Reserve Bldg., Cleveland.
Arnold, Geo. M., for Niagara River Day Line, Toronto, Can.
Aston, J. W., 86 Close ave., Toronto, Ont.; for Toronto Ferry Co., Toronto.

Barker, E. A., Alexandria Bay, N. Y.; for Geo. Hall Coal Co., Ogdensburg, N. Y.
Barker, J., Matson Nav. Co., San Francisco, Cal.
Barnes, V. W., United Fruit Co., 131 State st. Boston.
Barrows, John, Greene Packet Line, Newport, O.
Bartmer, L. C., for Fred Linderman, San Francisco, Cal.
Batty, J. F., Chesapeake Steamship Co., Baltimore, Md.
Beach, F. A., for Beaufort and Savannah Line, Savannah, Ga.
Beatcher, C. T., New York & College Point Ferry Co., New York.
Belcher, A. W., for Cornell Steamboat Co., Rondout, N. Y.
Bell, W. E., Central-Hudson Stbt. Co., Newburg, N. Y.
Benson, Thos., Balt., Ches. & Atlantic Ry. Co., Pier 3, Light st., Baltimore.
Birdsall, Clarence, Toms River, N. J.
Bishop, C. F., for Puget Sound Navigation Co. and Inland Navigation Co., Seattle, Wash.
Blake, J., Southampton, England, for American Line.
Blankenship, J. M., for Merchants & Miners Trans. Co., Light and German sts., Baltimore, Md.
Bogaerts, W. G., for Royal Dutch West India Mail, New York.
Boschke, Geo. W., for Oregon-Washington Railroad & Navigation Co., Ilwaco, Wash.
Brassil, J. K., Northwestern Pacific R. R. Co., Flood bldg., San Francisco, Cal.
Brews, Douglas, for M. A. Hanna & Co., Perry-Payne bldg., Cleveland.
Brisbin, Samuel, for Northern Navigation Co., Sarnia, Ont.
Burks, H. V., for Oostanaula & Coosa River Steamboat Co., Rome, Ga.
Burns, Jas., California Nav. & Imp. Co., Stockton, Cal.
Burns, James, for California Transportation Co., Pier 5, Jackson st., San Francisco.

Cahan, Frank D., Commercial Tow Boat Co., Commercial Wharf, Boston, Mass.
Chapman, James, W. A. & A. H. Hawgood, Cleveland, O.
Charleton, C. E., for Oceanic Steamship Co., 327 Market st., San Francisco.
Cherry, J. M., Supt. Floating Equipment, Lehigh Valley R. R. Co., 143 Liberty st., New York, and Perth Amboy Towing Line, Jersey City, N. J.
Chisholm, Wm., Pacific Mail S. S. Co., San Francisco, Cal.
Collens, C. E., Gilchrist Transportation Co., Cleveland, O.
Collins, L., Ocean S. S. Co. of Savannah, Pier 35, N. R., New York.
Connolly, M. A., 514 Battery Park bldg., New York; for J. M. Guffey Petroleum Co., Pittsburg, Pa.
Craig, George L., for Monroe Transp. Co., Toledo, O.
Crighton, Robert, Antwerp, Belgium, for International Mercantile Marine Co., 9 Broadway, New York.
Cushing, G. P., Nantasket Beach Stbt. Co., Boston, Mass.

Dallas, John T., for Red "D" Line of Steamships, 82 Wall st., New York.
Davis, Geo. R., Tampa, Fla., for Independent Line Steamers, Jacksonville, Fla.
Decker, Frank, for Newburgh & Haverstraw Steamboat Co., Newburgh, N. Y.
Des Anges, H. L., Montauk Stbt. Co., Pier 13, E. R., N. Y.
Devereaux, D. H., for Brunswick & Florida Steamboat Co., Brunswick, Ga.
De Witt, Charles, Mississippi Packet Co., New Orleans, La.
Diericx, A. C., Associated Oil Co., Kohl bldg., San Francisco, Cal.
Dixon, H. W., Brunswick S. S. Co., 32 Broadway, New York.
Doane, N. J., End of Pier 2, Lewis Wharf, Boston, for Doane Towboat Co.
Dollar, A. M., Dollar Steamship Co., San Francisco, Cal.
Donnelly, Capt., for Norton Line, Pier 2, Bush docks, South Brooklyn, N. Y.
Dorward, Jos., Alaska Packers Assn., San Francisco, Cal.
Du Bois, W. J., 100 Broadway, New York, for American Mail S. S. Co.
Dubois, Winfield, for White Star Line, Foot Griswold st., Detroit, Mich.
Dudley, A. H., for Seneca Lake Steam Nav. Co., Geneva, N. Y.
Durkin, Thomas, 5710 Franklin ave., N. W., Cleveland, O.; for Cleveland-Cliffs Iron Co.

Elliott, W. E., for Goodrich Trans. Co., Foot Michigan ave., Chicago, Ill.
Emery, John M., Chief Engineer Floating and Lighterage Equipment, Delaware, Lackawanna & Western R. R. Co., 26 Exchange pl., New York.
Evans, H. H., Depot Harbor, Ont.; for Canada-Atlantic Trans. Co., Montreal.
Evers, Frank H., 1302 Call bldg., San Francisco, for the Progresso Steamship Co.

Fetting, William, for John Mitchell, Cleveland, O.
Fletcher, Andrew, Hudson Nav. Co., 43 Exchange pl., New York.
Fletcher, A., Jr., Citizens Steamboat Co., pier 46, N. R., New York.
Foler, I. C., F. W. Munn, 311½ Walnut st., Philadelphia.
Fowler, James, Alaska Pacific Steamship Co., Arlington Dock, Seattle, Wash.
Fowler, S. A., Evansville, Paducah & Cairo Line, Paducah, Ky.
Fox, Chas. J., for Anchor Line, Buffalo, N. Y.
Galloway, George, Dubuque, Iowa; for St. Jo Line of Steamers, St. Louis, Mo.

Gardner, J. Howland, The New England Nav. Co., Newport, R. I.
Garmey, John, for Prince Line, 8-10 Bridge St., New York.
Graham, J. W., for A. H. Bull & Co., Maritime bldg., New York.
Grapevine, W. H., Waterloo & Carondelet Turnpike & Ferry Co., 7306 So. Broadway, St. Louis, Mo.
Gray, W. J., for Ship Owners & Merchants Tug Boat Co., 302 California St., San Francisco.
Green, George, Natchez & Vicksburg Packet Co., Natchez, Miss.

Hall, J. H., Ottawa Forwarding Co., Ottawa, Ont.
Halliday, A. M., Union Ferry st., Canal St. Ferry, New Orleans, La.
Hammond, Geo. T., for Cape Cod Steamship Co., 33 Broad st., Boston, Mass.
Hammond, J. W., 404 Davol st., Fall River, Mass., for Staples Coal Co., Taunton, Mass.
Hanfield, B. F., Weehawken, N. J.; for N. Y., Ont. & Western Ry. Co., 56 Beaver st., New York.
Hang, John, Standard Oil Co., of Cal., San Francisco, Cal.
Hanlon, P. H., Key West, Fla.; for The Peninsula & Occidental S. S. Co.
Harrison, John, Deseronto Nav. Co., Deseronto, Cal.
Hartley, William, for St. Lawrence River Steamboat Co. and Thousand Islands Steamboat Co., Kingston, Ont.
Hathorne, F. E., Eastern S. S. Co., Fosters Wharf, Boston, Mass.
Hauxhurst, S. W., for Pacific Mail Steamship Co., San Francisco.
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Horton, Wm., for Kentucky & Indiana Ferry Co., Madison, Ind.
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Hough, Edward, Pacific Lumber Co., Room 132, 172 East st., San Francisco, Cal.
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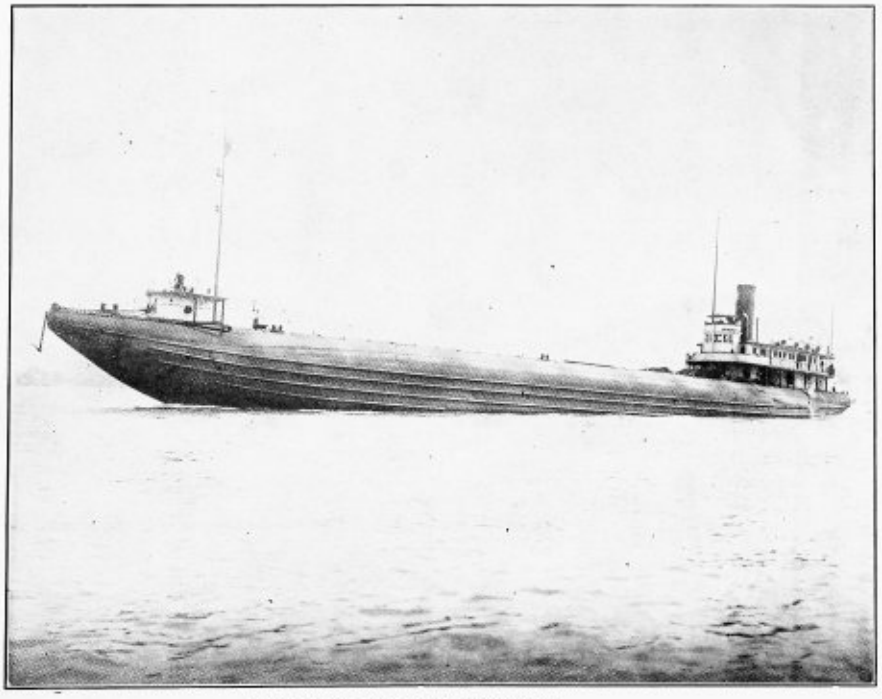

Whaleback Steamer Pathfinder

Marine Engineers' Beneficial Association.

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National Association of Marine Engineers of Canada.

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Iron Ore Trade of the Lakes.

Herewith is presented a statistical summary of the iron ore trade of the great lakes, the dominant trade of the lakes, and judged as a single item, the largest trade in the world. The statistical summary gives the shipments by ranges since iron ore was discovered in the Lake Superior country the rail rate from the mines to the shipping docks, the vessel freight rate, the price of ore delivered at lower lake ports and the average price of pig iron annually. The tables have value, if not commercially, at least historically.

LAKE FREIGHT RATES ON IRON ORE.
(From ports named to Lake Erie.)

Year.	Escanaba.	Marquette.	Ashland and other ports at head of Lake Superior.
1855		$3.00	
1856		3.00	
1857		2.67	
1858		2.09	
1859		2.00	
1860		2.00	
1861		2.21	
1862		2.89	
1863		3.19	
1864		3.37	
1865		3.23	
1866	$3.77	4.17	
1867	3.28	2.98	
1868	2.44	3.11	
1869	2.43	3.21	
1870	2.40	3.06	
1871	2.07	2.83	
1872	2.50	3.59	
1873	2.74	3.44	
1874	No shipment	3.84	
1875	No shipment	2.87	
1876	No shipment	2.54	
1877	No shipment	1.40	
1878	.85	1.26	
1879	1.07	1.61	
1880	1.77	2.50	
1881	1.55	2.25	
1882	1.22	1.50	
1883	1.11	1.30	
1884	.98	1.21	
1885	.84	1.01	$1.20
1886	1.16	1.35	1.49
1887	1.49	1.75	2.11
1888	.97	1.22	1.34
1889	1.00	1.14	1.29
1890	.99	1.16	1.26
1891	.74	.96	1.05
1892	.87	1.06	1.20
1893	.70	.85	.88
1894	.53	.70	.79
1895	.64	.83	.96
1896	.61	.80	.91
1897	.45	.60	.63
1898	.48	.60	.61
1899	.72	.84	.95
1900	.85	.94	1.05
1901	.62	.74	.84
1902	.59	.68	.76
1903	.63	.73	.83
1904	.54	.61	.70
1905	.60	.70	.76
1906	.60	.70	.75
1907	.60	.70	.75
1908	.50	.60	.65
1909	.50	.60	.65
1910	.55	.65	.70
1911	.45	.55	.60
1912	.35	.45	.50
1913	.40	.50	.55

Iron ore was discovered in the Lake Superior country in 1844, but it was not until 1855 when the ship canal at Sault Ste. Marie was finished that shipments were commercially practicable. Prior to that time about 3,000 tons of ore had been consumed in Catalan forges in the peninsula and in the small blast furnaces of Pennsylvania and Ohio. This ore had been hauled in sleighs to the shore of the lake and portaged around the falls at Sault Ste. Marie, a most tedious and expensive process.

It will be noted in the table giving the rail freights of iron ore from the mines to shipping docks that the rate for 1855 was placed at $3 as against $1.27 for 1856. The railway which had been projected for Marquette to the Jackson and Cleveland mines on the Marquette range was not quite finished when the canal was opened, so that all the ore shipped that year had been hauled from the mines to Marquette in sleighs at a cost of $3 per ton. The ore brought down that year, some 1,449 tons, all shipped by the old Cleveland Iron Mining Co., now the Cleveland-Cliffs Iron Co., was sold at $10 a ton. It will be observed that this price has been exceeded three times in the history of the trade, in 1866, 1867 and 1873.

In compiling the lake freight rate the average price has been taken. During 1855 and 1856 the ore was moved at a flat rate of $3 per ton, but in later years, notably 1866, a number of cargoes were moved at $6 per ton, the highest rate ever paid on the lakes. The rail rate from the Marquette range underwent a steady reduction until 1894, when it was established at 32 cents. It has been held at this figure continuously since with the exception of the years from 1899 to 1904, when it was reduced to 25 cents.

When the Mesabi range was opened the rail rate was established at 80 cents and has been maintained at that figure ever since. In fact, when the Rockefeller interests controlled both the railway and the mines, there was a provision in the contract that if the rail rate was ever adjudged by the state to be excessive, such reduction as it might suffer should be added to the royalty on the ore. The Vermillion rate has also been maintained at an even figure, ranging from $1 to 80 cents, according to the length of haul.

In the schedule of pig iron prices it will be noted

PRICES OF PIG IRON SINCE 1854.

1855	$27.75	1884	17.16
1856	27.12½	1885	15.27
1857	26.37½	1886	18.96
1858	22.25	1887	21.37
1859	23.37½	1888	17.38
1860	22.75	1889	18.00
1861	20.25	1890	22.15
1862	23.87½	1891	15.15
1863	35.25	1892	16.40
1864	59.25	1893	12.65
1865	46.12½	1894	9.65
1866	46.87½	1895	9.40
1867	44.12½	1896	12.40
1868	39.25	1897	8.35
1869	40.62½	1898	9.55
1870	33.25	1899	10.30
1871	35.12½	1900	24.15
1872	48.87½	1901	16.15
1873	42.75	1902	15.90
1874	30.25	1903	21.50
1875	25.50	1904	13.35
1876	22.25	1905	15.50
1877	18.87½	1906	17.25
1878	17.62½	1907	21.50
1879	21.50	1908	18.00
1880	28.50	1909	18.50
1881	25.12½	1910	17.20
1883	19.04	1911	15.70
*1882	21.85	1912	15.85

*Prior to 1882 prices are for No. 1 anthracite foundry pig iron at Philadelphia. Succeeding figures are for Bessemer pig iron at Pittsburg.

that the highest prices were in the concluding years of the civil war. As high as $75 was paid for pig iron in 1864, the average for the year being $59.25. The lowest average was in 1897, following a period of four years' depression, when it fell to $8.35 a ton.

PRICES OF IRON ORE AT LOWER LAKE PORTS FOR EACH RANGE SINCE OPENING.

Year	Marquette		Menominee		Gogebic		Vermilion		Mesabi	
	Bess.	Non-Bess.	Bess.	Non-Bess.	Bess.	Non-Bess.	Bess.	Non-Bess.	Bess.	Non-Bess.
1855	$10.00	$10.00								
1856	8.00	8.00								
1857	8.00	8.00								
1858	6.50	6.50								
1859	6.00	6.00								
1860	5.25	5.50								
1861	5.25	5.00								
1862	5.25	5.37								
1863	7.50	7.50								
1864	8.50	8.50								
1865	7.50	7.50								
1866	9.50	9.50 to 14.00								
1867	10.50	8.00 to 11.50								
1868	8.25	8.25								
1869	8.25	9.50								
1870	8.50	8.50 to 9.50								
1871	8.00	8.00								
1872	9.00	7.50								
1873	12.00	9.00								
1874	9.00	7.00								
1875	7.00	5.50								
1876	6.75	4.50								
1877	6.50	4.25								
1878	5.50	4.25								
1879	6.25	4.75								
1880	9.25	8.00								
1881	9.00	7.00								
1882	9.00	6.25								
1883	6.25	5.00	$6.00	$4.75						
1884	5.76	4.50	5.25	4.50	$5.25	$4.50	$4.75	$4.50		
1885	5.50	4.25	4.75	4.00	4.75	4.00	5.00	4.00		
1886	5.50	4.75	5.25	4.50	5.25	4.50	5.75	4.50		
1887	7.25	5.25	6.00	5.00	6.00	5.00	6.75	5.00		
1888	5.50	4.75	4.75	4.00	4.75	4.00	5.75	4.00		
1889	5.50	4.50	4.50	4.50	4.50	4.50	5.50	4.50		
1890	6.75	5.75	5.50	5.25	6.00	4.35	6.50	5.50		
1891	6.00	4.75	4.50	4.25	4.25	3.55	5.50	4.00		
1892	5.50	4.85	4.50	3.65	4.50	3.40	5.65	4.85		
1893	4.25	3.00 to 3.50	3.85	3.20	3.75	2.90	4.50	4.00	$3.00	
1894	2.75	2.15	2.75	2.50	2.75	2.25	3.35	3.00	2.35	
1895	2.75 to 3.50	2.15 to 2.30	2.90	2.25	3.00	2.10	3.40	3.00	2.15	$1.90
1896	4.00	2.45 to 2.85	4.00	2.70	4.15	2.25	3.50	2.25	3.50	2.25
1897	2.65	2.00 to 2.60	2.60	2.15	2.65	1.90	2.25	1.90	2.25	1.90
1898	3.10 to 3.35	2.35 to 2.45	2.75	1.85	2.75	1.90	2.25	1.75	2.25	1.75
1899	3.21 to 3.50	2.50	3.00	2.15	2.95	2.00	2.40	2.00	2.40	2.00
1900	5.93 to 6.48	5.00	5.50	4.25	5.50	4.15	4.50	4.00	4.50	4.00
1901	4.66 to 4.92	3.65 to 3.85	4.25	3.00	4.25	3.00	3.25	2.75	3.25	2.75
1902	4.65 to 5.00	3.80 to 4.00	4.25	3.25	4.25	3.25	3.25	2.75	3.25	2.75
1903	4.85 to 5.15	4.00 to 4.25	4.50	3.60	4.50	3.60	4.00	3.20	4.00	3.20
1904	3.60 to 3.85	3.10 to 3.35	3.25	2.75	3.25	2.65	3.00	2.50	3.00	2.50
1905	3.75	3.20	3.75	3.20	3.75	3.20	3.50	3.00	3.50	3.00
1906	4.25	3.70	4.25	3.70	4.25	3.70	4.00	3.50	4.00	3.50
1907	5.00	4.20	5.00	4.20	5.00	4.20	4.75	4.00	4.75	4.00
1908	4.50	3.70	5.00	4.20	4.50	3.70	4.75	4.00	4.75	4.00
1909	4.50	3.70	4.50	3.70	4.50	3.70	4.50	3.70	4.25	3.50
1910	5.00	4.20	5.00	4.20	5.00	4.20	5.00	4.20	4.75	4.00
1911	4.50	3.70	4.50	3.70	4.50	3.70	4.50	3.70	4.25	3.50
1912	3.75	3.00	3.75	3.00	3.75	3.20	3.75	3.00	3.50	2.85

YEARLY SHIPMENTS OF IRON ORE FROM VARIOUS RANGES OF LAKE SUPERIOR DISTRICT.

Year	Marquette	Menominee	Gogebic	Vermillion	Mesabi
1855	1,449				
1856	36,343				
1857	25,646				
1858	15,876				
1859	68,832				
1860	114,401				
1861	49,909				
1862	124,169				
1863	203,055				
1864	243,127				
1865	236,208				
1866	278,798				
1867	475,567				
1868	491,449				
1869	617,444				
1870	830,940				
1871	779,607				
1872	900,901				
1873	1,162,458				
1874	919,557				
1875	891,257				
1876	992,764				
1877	1,010,494	4,593			

YEARLY SHIPMENTS OF IRON ORE FROM VARIOUS RANGES OF LAKE SUPERIOR DISTRICT—Continued.

Year	Marquette	Menominee	Gogebic	Vermillion	Mesabi	Cayuna
1878	1,033,082	78,028				
1879	1,130,019	245,672				
1880	1,384,010	524,735				
1881	1,579,834	727,171				
1882	1,829,394	1,136,018				
1883	1,305,425	1,047,415				
1884	1,548,034	895,634	1,022	62,124		
1885	1,480,422	690,435	119,860	225,484		
1886	1,627,383	880,006	747,589	304,396		
1887	1,851,414	1,193,343	1,303,267	394,252		
1888	1,918,750	1,191,101	1,424,699	511,953		
1889	2,634,816	1,796,755	2,016,391	844,682		
1890	2,993,664	2,282,237	2,847,786	880,014		
1891	2,512,242	1,824,619	1,839,574	894,618		
1892	2,665,169	2,261,499	2,971,991	1,167,650	4,245	
1893	1,837,580	1,466,197	1,329,385	820,621	613,620	
1894	2,059,330	1,137,949	1,809,468	948,513	1,793,052	
1895	2,097,838	1,923,798	2,547,976	1,077,838	2,781,587	
1896	2,604,221	1,560,467	1,799,971	1,088,090	2,882,079	
1897	2,715,035	1,937,013	2,258,236	1,278,481	4,275,809	
1898	3,125,039	2,522,265	2,498,461	1,265,142	4,613,766	
1899	3,757,010	3,301,052	2,795,856	1,771,502	6,626,384	
1900	3,457,522	3,261,221	2,875,925	1,655,820	7,809,535	
1901	3,245,346	3,619,053	2,938,155	1,786,063	9,004,890	
1902	3,868,025	4,612,509	3,654,929	2,084,263	13,342,840	
1903	3,040,245	3,749,567	2,912,708	1,676,699	12,892,542	
1904	2,843,703	3,074,848	2,398,287	21,822,839	12,156,008	
1905	4,210,522	4,495,451	3,706,737	34,353,456	20,153,699	
1906	4,057,187	5,109,088	3,641,985	1,792,355	23,792,553	
1907	4,388,073	4,964,728	3,637,907	1,685,267	27,492,949	
1908	2,414,632	2,679,156	2,699,856	841,544	17,257,350	
1910	4,392,726	4,237,738	4,315,314	1,203,177	29,201,760	
1911	2,833,116	3,911,174	2,603,318	1,088,930	22,093,532	147,43.
1912	4,202,308	4,711,440	5,006,266	1,844,981	32,047,981	305,111

RAIL FREIGHTS ON IRON ORE FROM MINES TO LAKE SHIPPING POINTS.

	Marquette Range.		Menominee Range.	Gogebic Range. Ashland.		Mesabi and Vermillion Ranges.				
Year.	Marquette.	Escanaba.	Escanaba.	Wis.Cent. Railway.	C. & N. W. Railway.	Duluth.	Superior.	Ely.	To Two Harbors from Tower & Soudan.	Other points.
1855	$3.00									
1856	1.27									
1857	1.27									
1858	.87									
1859	.87									
1860	1.09									
1861	1.09									
1862	1.09									
1863	1.09									
1864	1.09									
1865	1.10									
1866	1.10	$1.55								
1867	1.10	1.80								
1868	1.10	1.80								
1869	1.10	1.85								
1870	1.10	1.85								
1871	.95	1.70								
1872	.84	1.70								
1873	.84	2.00								
1874	.84	2.00								
1875	.65	1.25								
1876	.55	1.15								
1877	.55	1.15								
1878	.55	1.15								
1879	.55	1.15								
1880	.55	1.25								
1881	.55	1.25								
1882	.55	1.25								
1883	.55	1.10								
1884	.40	.80								
1885	.45	.80								
1886	.55	.80								
1887	.55	.80	$0.85	$0.80	$0.80					
1888	.45	.70	.75	.70	.70					
1889	.45	.70	.75	.70	.70					
1890	.45	.70	—	.70	—					
1891	.45	.70	.70	.65	.65					
1892	.40	.65	.70	.65	.65	$0.80	$0.80	$1.00	$0.90	$0.80
1893	.40	.65	.70	.65	.65	.80	.80	1.00	.90	.80
1894	.32	.52	.70	.52	.65	.80	.80	1.00	.90	.80
1895	.32	.52	.52	.52	.52	.80	.80	1.00	.90	.80
1896	.32	.52	.52	.52	.52	.80	.80	1.00	.90	.80
1897	.32	.52	.52	.45	.52	.80	.80	1.00	.90	.80
1898	.32	.40	.45	.40	.45	.80	.80	1.00	.90	.80
1899	.25	.40	.40	.40	.40	.80	.80	1.00	.90	.80
1900	.25	.40	.40	.40	.40	.80	.80	1.00	.90	.80
1901	.25	.40	.40	.40	.40	.80	.80	1.00	.90	.80
1902	.25	.40	.40	.40	.40	.80	.80	1.00	.90	.80
1903	.25	.40	.40	.40	.40	.80	.80	1.00	.90	.80
1904	.25	.40	.40	.40	.40	.80	.80	1.00	.90	.80
1905	.32	.40	.40	.40	.40	.80	.80	1.00	.90	.80
1906	.32	.40	.40	.40	.40	.80	.80	1.00	.90	.80
1907	.32	.40	.40	.40	.40	.80	.80	1.00	.90	.80
1908	.32	.40	.40	.40	.40	.80	.80	1.00	.90	.80
1909	.32	.40	.40	.40	.40	.80	.80	1.00	.90	.80
1910	.32	.40	.40	.40	.40	.80	.80	1.00	.90	.80
1911	.32	.40	.40	.40	.40	.80	.80	1.00	.90	.80
1912	.32	.40	.40	.40	.40	.60	.60	.60	.60	.60

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BLUE BOOK
of
AMERICAN SHIPPING
1913

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of the
MARINE TRADE

PORT DIRECTORY
in which the prominent firms engaged
in Marine Lines are listed
according to cities

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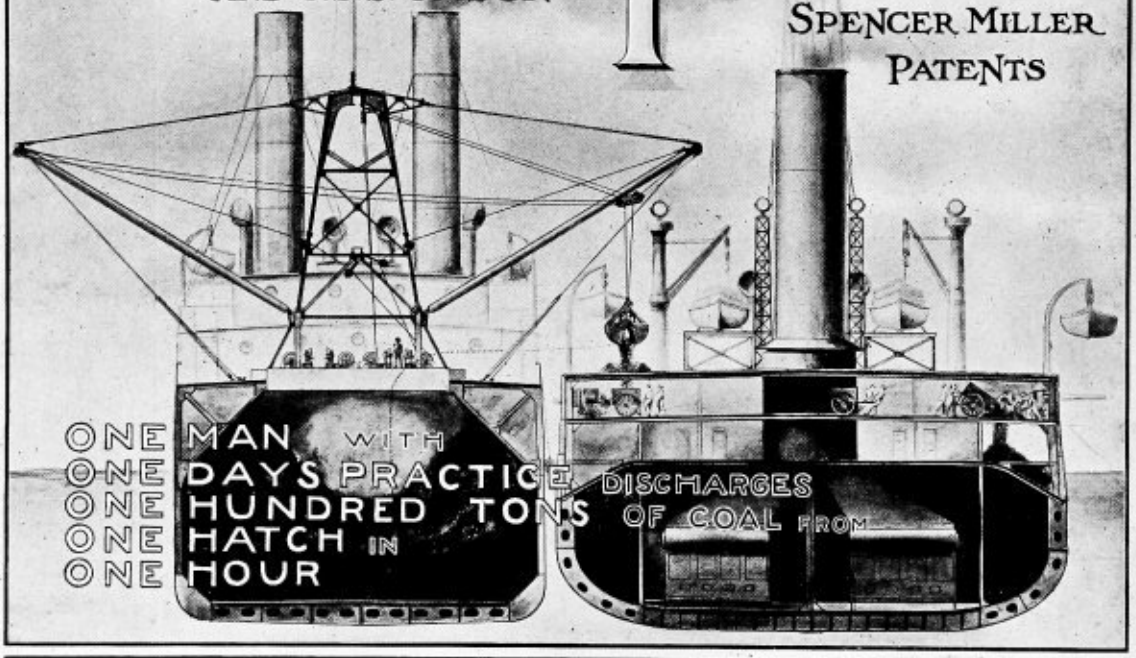
LATEST TYPE
ON U.S.S. ORION
AND U.S.S. JASON

SPENCER MILLER PATENTS



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CAXTON HOUSE

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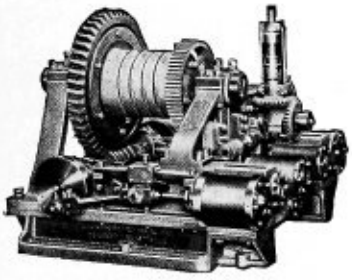
CARGO WINCHES
STEERING ENGINES



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STEERING ENGINES
Combined HAND and STEAM

ALL-STEAM

TORPEDO BOAT TYPE

SCREW GEAR TYPE

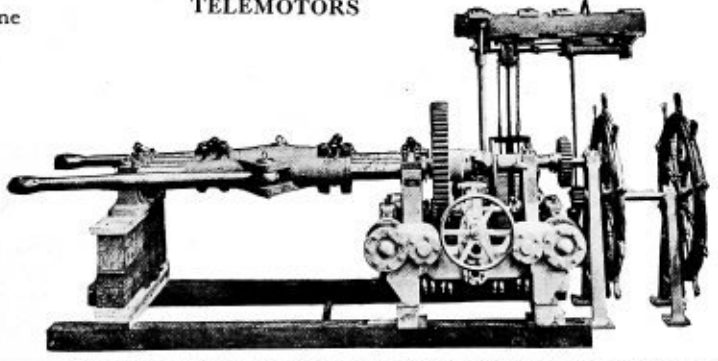
TELEMOTORS

ASH HOISTS

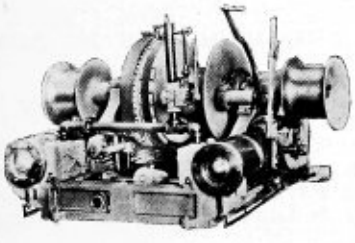
SHIP'S ELEVATOR HOISTS

DREDGE ENGINES

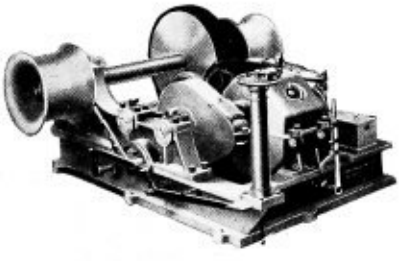
MARINE CABLEWAYS



Screw Gear Steering Engine with Telemotor and Steering Wheel



Ship's Winches
STEAM
and
ELECTRIC



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Ammonia Acids Oil Air
Saturated and Superheated Steam

PISTON PACKING

Thoroughly Lubricated
Gives Greatest Satisfaction
Spiral Coil Round Square

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With Braided Asbestos Jacket.

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FOR SCOTCH MARINE BOILERS

USED BY

White Star Line	Coastwise Transportation Co.
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and many others.

Installed without drilling or in any way damaging the boiler.

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Baldt Anchor Co., Chester, Pa.

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Baldt Anchor Co., Chester, Pa.

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Hoyt, Dustin, Kelley, McKeehan & Andrews, 702 Western Reserve bldg., Cleveland, O.
Warren, Cady & Ladd, Union Trust bldg., Detroit, Mich.

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MacKinnon Boiler & Mach. Co., Bay City, Mich

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FOR STEAM VESSELS

¶ Contains no chemicals, only air at 65 lbs. pressure in pipes and at 34 degrees below zero when the seawater is at 90 degrees. It is placed in the engineroom and attended by the regular engineers, while the meatroom, ice making box and other refrigerators are at the usual places.

¶ Proven by 15 years' service in the tropics on U. S. men-of-war, steam yachts and passenger steamers. More than 250 in active service.

¶ The size 3 ft. by 3 ft. 6 in. keeps the meat and other refrigerator provisions and makes the ice on large steam yachts and many smaller men-of-war.

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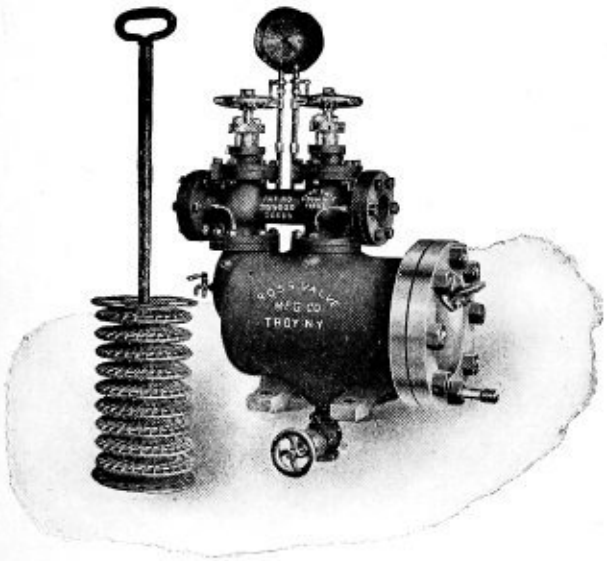

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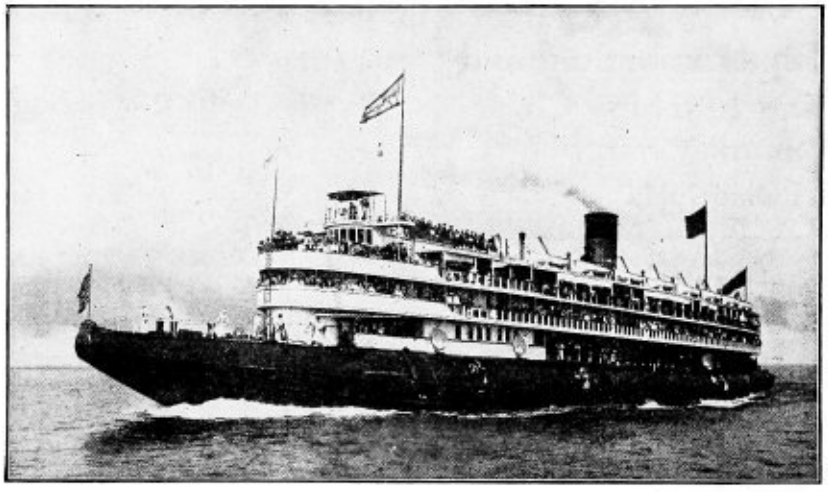

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Interest paid on certificates amounts to - - 21,266,755.45

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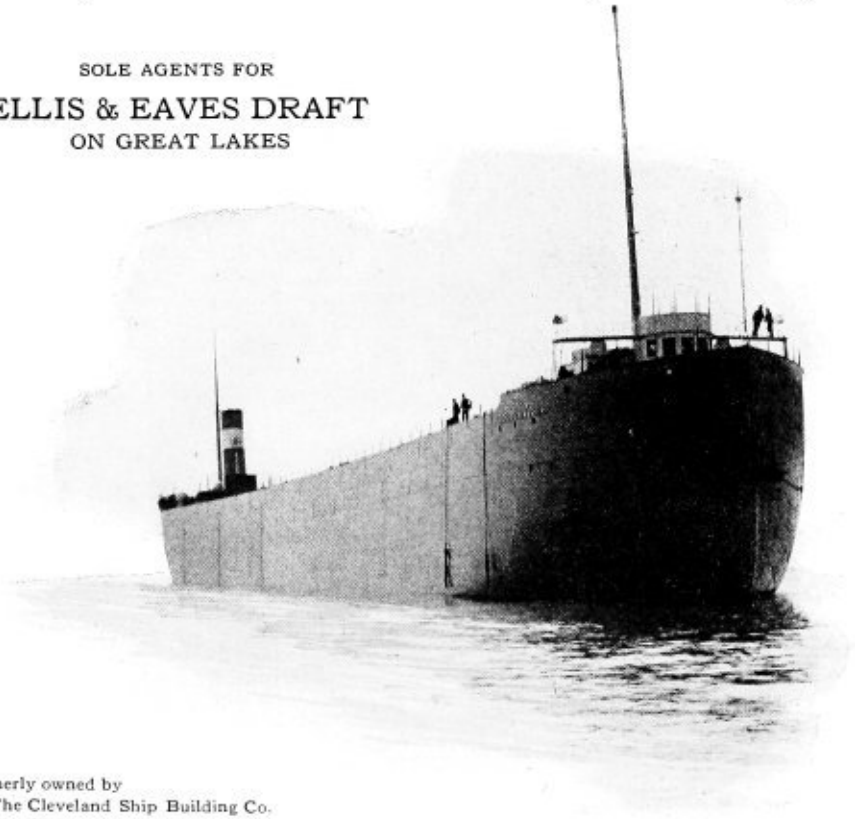

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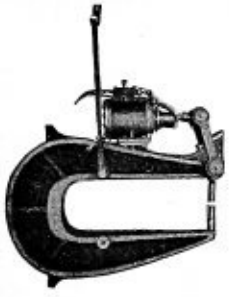

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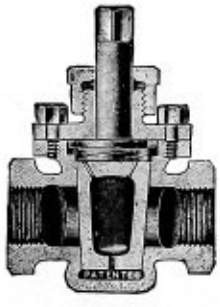

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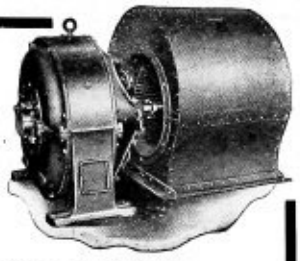

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