"KWIKLEEN" AIR-TIGHT BLAST GATES

TO meet the demand for a pressure tight, full pipe area, readily cleanable gate to control the flow of materials of a liquid or powdery character, we offer the "Kwikleen" gates shown in Figs. 1 and 2.

Fig. 1 shows a modification of our standard blast gate as illustrated in Figs. 4 and 5, and consists of an iron casing made in two parts and bolted together; a brass blade completely housed in; a handle passing through a stuffing box, and a clean-out opening with by-passes.

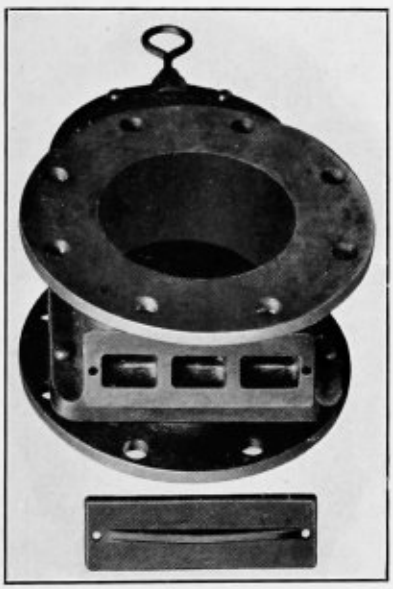

Fig. 1. "Kwikleen" Blast Gate. Showing clean-out opening with by-passes and removable plate.

Should liquid material collect in the blade runway, after the gate has been opened and in operation, it will, with the closing of the gate, be pushed through the by-passes into the discharge side of the gate. Should semi-liquid or other viscous material accumulate in the runway or by-passes, it may be quickly removed through the clean-out opening, without disconnecting the gate, as shown in Fig. 1.

Another type of pressure-tight, full pipe area "Kwikleen" gate is shown in Fig. 2. This blast gate has an iron body, brass blade, a handle passing through a stuffing box, and removable end plates. The blade, pierced as shown in Fig. 3, affords a full area opening when the gate is in use, and is designed to prevent the lodgment of any substance in the blade runway. Should very fine particles lodge in the runway, they may be quickly removed, without disconnecting the gate, by unfastening the end plates and blade. This would be necessary only for exceptional requirements that involve the control of hard or gritty substances.

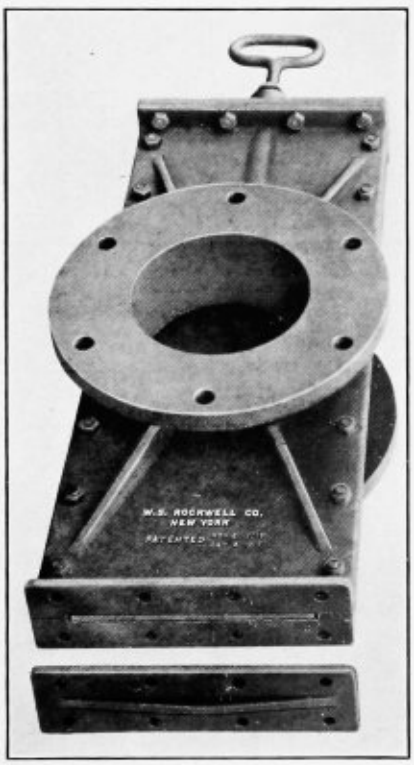

Fig. 2. "Kwikleen" Blast Gate with pierced blade (Fig. 3) and removable end plates.

These "Kwikleen" gates can be furnished with threaded or flanged connections. Prices of any size will be furnished on request.

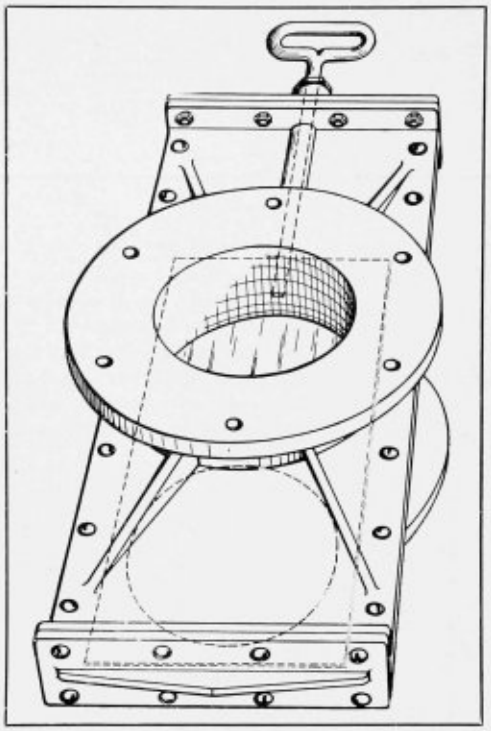

Fig. 3. Position of pierced blade when gate is closed.

Both our "Kwikleen" and New Air-Tight Blast Gates, ordinarily made with iron body and brass blade, can be made of other metal to suit individual manufacturing requirements. For example, the blast gates can be made of brass throughout, as were those shown in Fig. 6. These gates, of our New Air-Tight design, were made to handle chemicals.

Fig. 5. Range of sizes of flanged blast gates. American Standard on left, Riveted Pipe Mfrs.' Standard on right.

An idea of the different sizes of blast gates which we are prepared to furnish is given in Figs. 4 and 5. Fig. 4 shows a range of sizes with threaded connections. We make the flanged type, Fig. 5, with flanges of the American Standard, Riveted Pipe Manufacturers' Standard, or with special flanges to meet individual requirements. The blast gates on the left in Fig. 5 are of the American Standard, and those on the right of the Riveted Pipe Standard.

Fig. 4. Range of sizes of threaded blast gates.

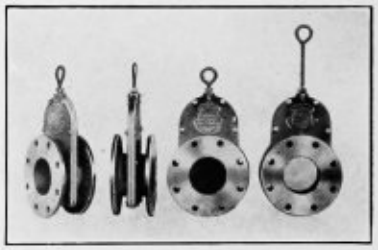

Fig. 6. All-brass New Air-Tight blast gates for handling chemicals.

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