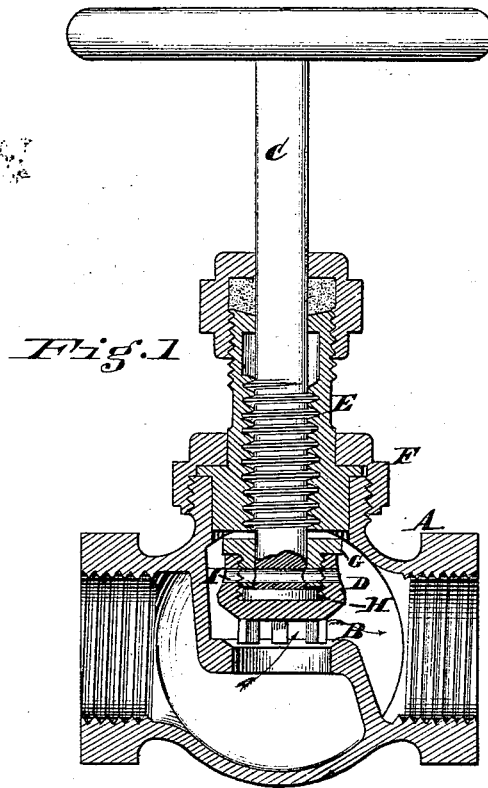


F. LUNKENHEIMER.
Globe-Valves.

No. 166,393.

Patented Aug. 3, 1875.



Attest

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UNITED STATES PATENT OFFICE.

FREDERICK LUNKENHEIMER, OF CINCINNATI, OHIO.

IMPROVEMENT IN GLOBE-VALVES.

Specification forming part of Letters Patent No. **166,393**, dated August 3, 1875; application filed May 19, 1875.

To all whom it may concern:

Be it known that I, FREDERICK LUNKENHEIMER, of Cincinnati, Hamilton county, State of Ohio, have invented an Improvement in Globe-Valves, of which the following is a specification:

My invention relates to that construction of globe-valve or stop-cock whose valve proper has a swiveling connection with its stem, so that it cannot revolve on its seat when being opened or closed; and my invention consists of a peculiar device for securing the valve rigidly to the stem when it is necessary to prevent its swiveling, in order to permit of the grinding of the valve in its seat by the use of the stem and hand-wheel.

Figure 1 is an axial section of a globe-valve embodying my invention. Fig. 2 is a cross-section through the valve and stem.

A is the case or shell; B, the seat of the same; C, the valve-stem, and D the valve. The nut E, through which the screw-threaded stem of the valve operates, is fitted, as shown in this drawing, and in a previous patent of mine, into the case, and secured by nut F, to render it a fixture when the valve is in use, and adapt it for release (so that it may revolve with the stem and the latter be prevented from rising and falling) when the valve is being ground. The valve D is recessed on top, and screw-threaded in the recess, for the oc-

cupancy of an annular nut, G, which confines the collar H, secured to the bottom of the valve-stem. This connection permits the valve to swivel freely on the stem, or, rather, it permits the stem to rotate in the valve, so that the latter may not rotate when seating or unseating. In order to connect the valve rigidly to its stem, and secure it in proper position when it is necessary to grind the valve, I provide a hole, I, diametrically through valve, nut, and stem, for the introduction of a pin, J, of any kind, or of any convenient material—as, for example, a common match may be inserted therein, and serve to keep the valve and stem rigidly together, and when the grinding is accomplished the match may be broken off by the forcible closing of the valve; or the pin J may be removed after grinding, and before the nut G is secured for use.

I claim—

The combination of the collared stem C H, nut G, and valve D, all perforated for the reception of pin J, substantially as and for the purpose specified.

In testimony of which invention I hereunto set my hand.

FREDERICK LUNKENHEIMER.

Witnesses:

JOHN E. JONES,
EDGAR J. GROSS.