

ELI THAYER.

Globe Valves.

No. 123,848.

Patented Feb. 20, 1872.

Fig. 1.

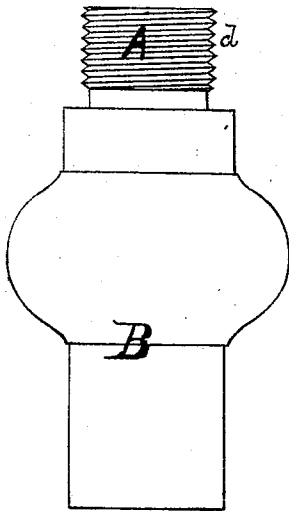


Fig. 2.

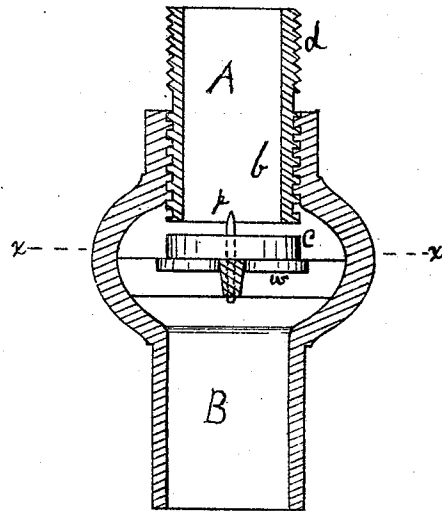
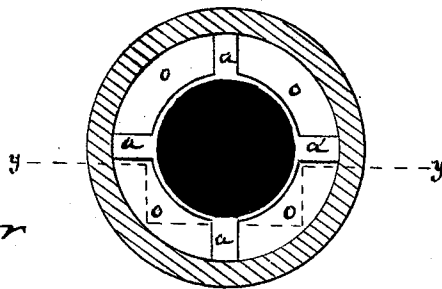


Fig. 3.



Inventor

Eli Thayer

Witnesses.

Spring C. Smith
Thomas Van Antwerp

UNITED STATES PATENT OFFICE.

ELI THAYER, OF WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN GLOBE-VALVES.

Specification forming part of Letters Patent No. 123,848, dated February 20, 1872.

To all whom it may concern:

Be it known that I, ELI THAYER, of Worcester, in the State of Massachusetts, have invented a new and useful Improvement in Globe-Valves for discharging or conducting fluids from reservoirs and for regulating or graduating the flow of the same; and that the following is a true and accurate description thereof, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 represents a perspective view; Fig. 2, a vertical section of the same; Fig. 3, a section transversely through the center.

The invention consists in constructing the valve-cock or faucet in two sections, the lower one provided with and carrying the valve so that the opening and closing and regulating of the flow of the fluids are secured by turning the lower section in the direction required for the purpose.

A and B, Fig. 2, represent two sections of hollow cylinders or pipes. The upper end of A is provided with screw-threads *a*, or other suitable device to secure it to the supply-pipe reservoir or other receptacle of the fluid, and its lower part with screw-threads *b* to work easily in corresponding threads in section B. These screw-threads may be of any size or pitch desired to facilitate the movement of section B in opening and closing the valve. The

lower end should have sufficient surface to secure a close connection with the valve without cutting or abrading it. The opening in section B at and below the valve *c* must be larger than in A, so as to permit an easy discharge of the fluid, and prevent a rebound or backward pressure through the screw-threads uniting the two sections A and B. The whole section B may be so enlarged as to allow the arms *a a* and the valve *c* to be put into position from below; but the better construction is a hollow globe containing the valve, as shown in the drawing.

For economy in manufacture the globe should be either spherical or spheroidal, though with greater cost it may be made square or polygonal. The valve *c* is secured to the arms at their junction by the pin *p*.

This valve may be made of rubber, leather, soft metal, or other suitable material, and should have beneath it a metallic washer to revolve on the arms *a a'*, so as to prevent its wearing or abrasion in opening and closing.

What I claim as my invention, and desire to secure by Letters Patent, is—

The movable globe or section B, carrying the valve *c*, substantially as set forth.

ELI THAYER.

Witnesses:

IRVING C. SMITH,
THOMAS VAN ANTWERP.