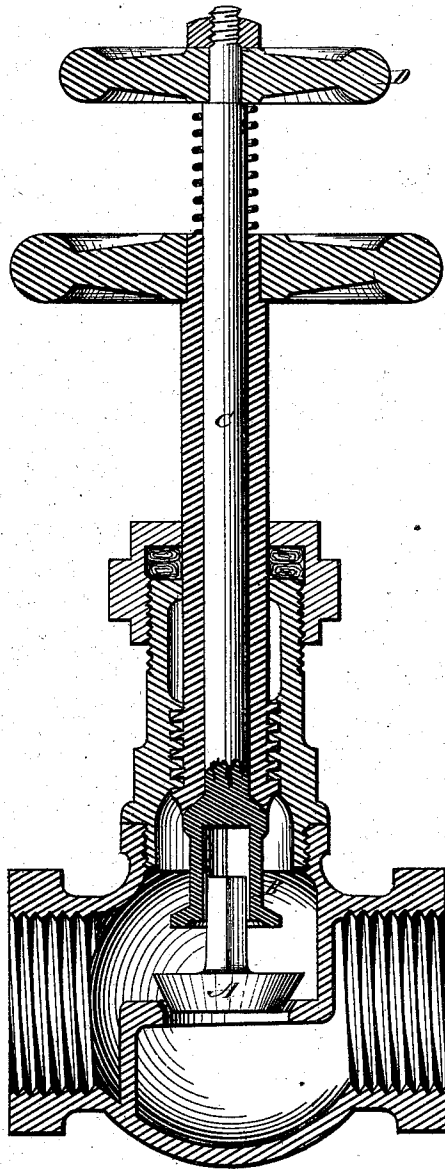


I. W. BROWN.

Combined Globe and Check Valve.

No. 161,002.

Patented March 23, 1875.



WITNESSES:

A. Jones
James B. Bishop

INVENTOR:

I. W. Brown

UNITED STATES PATENT OFFICE.

ISAAC W. BROWN, OF GLENNVILLE, MARYLAND, ASSIGNOR OF ONE-HALF
HIS RIGHT TO JOHN LYNCH, JR., OF PORTLAND, MAINE.

IMPROVEMENT IN COMBINED GLOBE AND CHECK VALVES.

Specification forming part of Letters Patent No. **161,002**, dated March 23, 1875; application filed
July 31, 1874.

To all whom it may concern:

Be it known that I, ISAAC W. BROWN, of Glennville, Prince George's county, Maryland, have invented an Improvement in Combined Globe and Check-Valves; and hereby declare that the following is a full, clear, and exact description thereof.

In order to more clearly define my invention I will refer to Letters Patent No. 102,085, bearing date April 19, 1870, granted to me, for an improvement in globe-valves, which read as follows:

The object of this invention is to provide an arrangement whereby the valves may be ground to their seats at any time while in position, and any obstruction getting on the valve-seat may be readily removed.

My invention consists in constructing on each of the stems A and C a hand-wheel, separated by extending the stem C after it passes through the hollow stem A a sufficient distance to enable a person to hold a wheel in each hand, allowing him to loosen and tighten the lower wheel with one hand, while, at the same time, with the other hand he can operate the upper wheel for grinding the valve B on its seat. The lengthened spring D will give the stem C an easy upward motion while the grinding is taking place.

The object of my present invention is to make a combination of globe and check valves so that one valve may be used for either purpose.

My invention consists in constructing on the lower end of the stem C (refer to accompanying drawing) a square or fluted socket, B, into which the stem of the valve A works. The hollow or fluted socket B acts as a guide to the valve A to keep it in place, and also permits the rotation of the valve A on its seat for the purpose of grinding.

I claim—

The combination of the hollow square or fluted socket B on the stem C and corresponding square or fluted stem on valve D, for the purpose of a combined globe and check valve, and to permit the rotation of the valve on its seat for grinding or keeping tight while in use.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 30th day of July, 1874.

ISAAC W. BROWN. [L. S.]

Witnesses:

JAMES B. BISHOP,
GEO. C. PYLE.