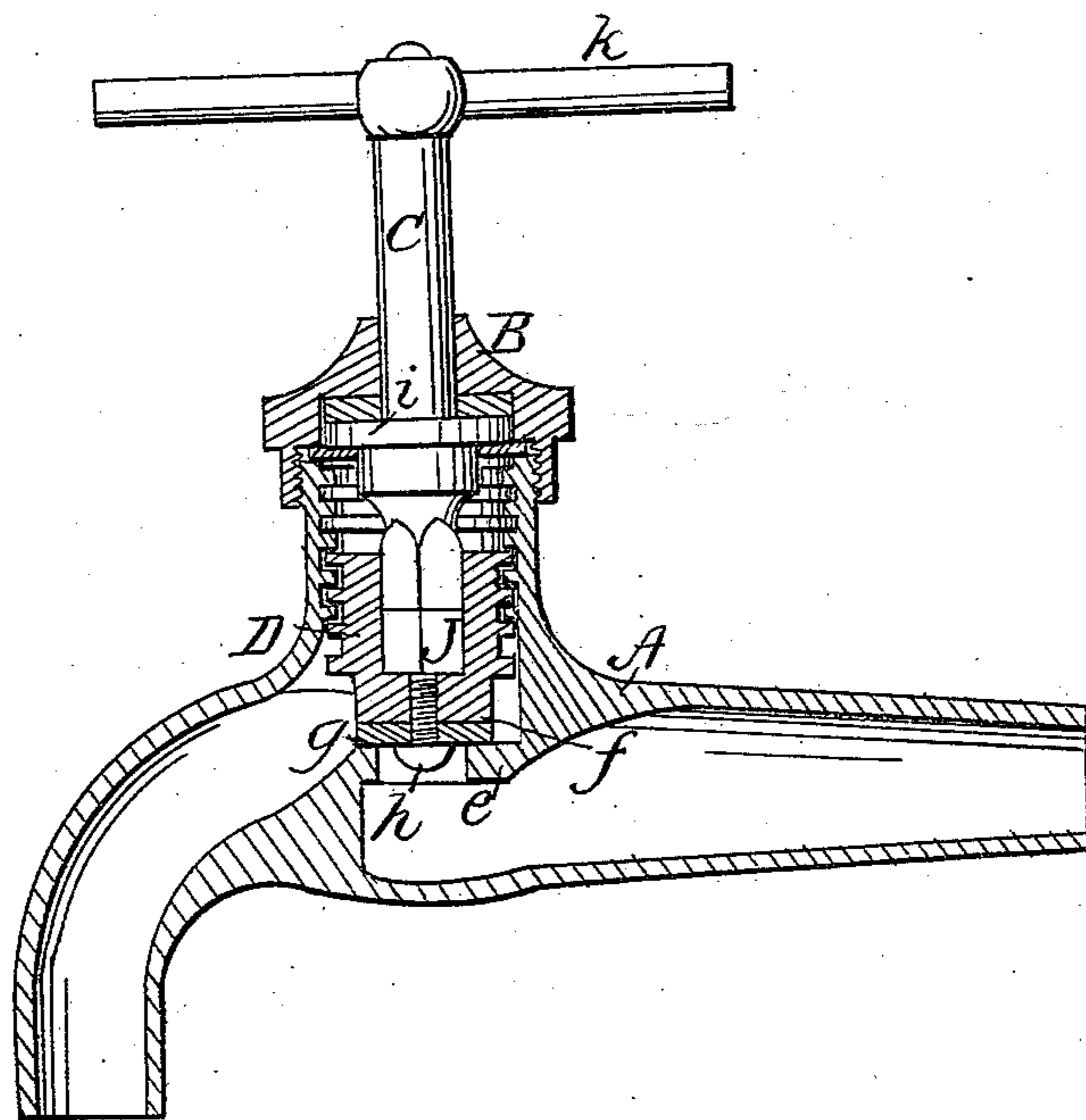


G. E. Boisselier,
Globe Valve,
No 84,792, Patented Dec. 8, 1868.



Witnesses:

Wm A Morgan
G. L. Cotton

Inventor

G. E. Boisselier

per Munnell
Attorneys

United States Patent Office.

G. E. BOISSELIER, OF ST. LOUIS, MISSOURI.

Letters Patent No. 84,792, dated December 8, 1868.

IMPROVEMENT IN COMPRESSION-COCKS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, G. E. BOISSELIER, of St. Louis, in the county of St. Louis, and State of Missouri, have invented a new and improved Compression-Cock; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in cocks for discharging liquids or fluids; and

It consists in operating a socket-valve within the shell of the cock, by revolving the stem, and in securing the stem beneath the cap, as will be hereinafter described.

The drawing represents a longitudinal central section of the cock, showing the manner of its construction and operation.

Similar letters of reference indicate corresponding parts.

A is the shell of the cock;

B is the cap;

C is the stem; and

D is the socket-valve.

A screw-thread is cut in the upper portion of the shell, and the socket D has a corresponding screw-thread on its outside, which engages with that in the shell.

e is the valve-seat, and

f is the valve, which has an elastic face, *g*, secured by the screw *h*.

The socket J or cavity of the valve is square, or angular, or in any other convenient shape, so that it may be readily turned by revolving the stem, and the lower part of the stem is made to fit, as seen in the drawing.

i is a collar on the stem, which is rendered watertight by packing on both sides beneath the cap.

The cap screws on to the upper part of the shell, and thereby prevents all longitudinal motion in the stem C.

It will readily be seen that when the stem is turned or revolved by the handle *k*, the valve will be raised or lowered, and that by screwing the cap on to the shell, as in the drawing, the stem is kept securely in place, while all breakage is prevented, by the elastic or rubber packing above and below the collar *i*.

I claim as new, and desire to secure by Letters Patent—

The valve D, having a screw-thread cut upon its outer surface, and furnished with a smooth socket, J, in which the squared end of the valve-stem C is fitted, said stem having a disk, *i*, bearing against the under surface of the packing placed in the recess of the cap B, and resting upon the lower packing-disk, secured to the shell A by the screw-cap, all arranged and operating as described, for the purpose specified.

The above specification of my invention signed by me, this 4th day of June, 1868.

G. E. BOISSELIER.

Witnesses:

C. F. SCHULZE,

JOHN KUPFERLE.