

S. P. BROWER.

STOP-COCK.

No. 178,724.

Patented June 13, 1876.

Fig. 1.

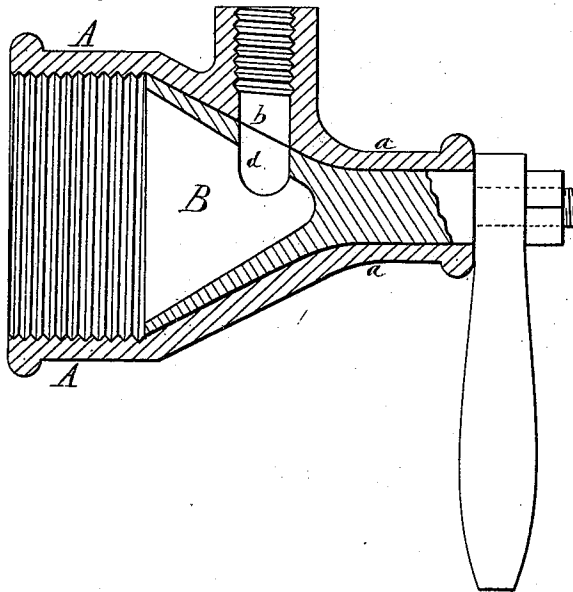


Fig. 2.

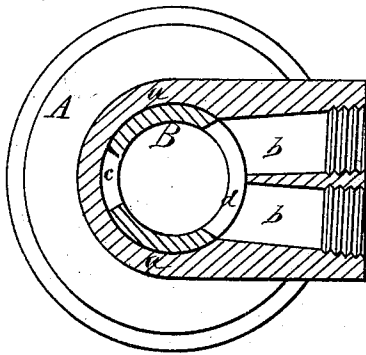
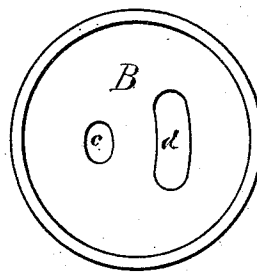


Fig. 3.



Samuel P. Brower

WITNESSES

M. P. Utley.
W. G. Chaffee.

By

INVENTORS

Wm. C. Stone

Attorney

UNITED STATES PATENT OFFICE.

SAMUEL P. BROWER, OF GLEN'S FALLS, NEW YORK, ASSIGNOR OF THREE
FOURTHS HIS RIGHT TO FREDERICK J. P. CHITTY, ISAAC J. DAVIS, AND
ISAAC CRANDELL, OF SAME PLACE.

IMPROVEMENT IN STOP-COCKS.

Specification forming part of Letters Patent No. **178,724**, dated June 13, 1876; application filed
May 17, 1876.

To all whom it may concern :

Be it known that I, SAMUEL P. BROWER, a resident of Glen's Falls, in the county of Warren and State of New York, have invented certain new and useful Improvements in Self-Packing - Faucets; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The object of this invention is to produce a valve or faucet which shall be self-adjusting and compensating, and which shall admit of a supply from a large pipe or reservoir to one, two, or any number of delivery pipes or orifices, as may be desired.

Figure 1 represents a longitudinal section of a valve-seat and valve constructed according to my invention. Fig. 2 is a cross-section of the valve-seat, showing the delivery orifices or pipes. Fig. 3 is a front or face view of the valve.

A represents the seat adapted to be screwed onto the end of a supply - pipe, provided with a conical bearing, *a*, and hole or perforation for the stem of the valve or faucet. Leading laterally from the conical part *a* are a series of perforations or pipes, *b b*.

B represents the valve, having an outside conical bearing-surface to correspond with and fitted to the bearing-surface *a* of the seat. The inner end or side of the valve is recessed, and is provided with perforations *c d*.

The stem projects through the outer end of the seat, and is provided with a suitable operating knob or handle, which is secured preferably by means of a screw, which serves the purpose of tightening the valve, as well as of securing the handle.

The orifice *d* is elongated, as shown, so as to uncover all of the perforations *b b*, or any number of them, as may be desired, or the orifice *c* may be used to permit communication with either of said perforations or pipes *b*.

By this construction of valve and seat the greater the pressure from within the better the fit, and by means of the differential orifices in the face of the valve the discharge may be regulated to either, any number, or all of the discharge pipes, at will.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The self-packing and compensating valve or faucet herein described, having the conical bearing-surface, recessed face, and differential orifices, as and for the purposes set forth.
2. The combination of a valve, constructed as herein described, with a seat provided with a plurality of discharge-orifices, substantially as and for the purposes set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

SAMUEL P. BROWER.

Witnesses:

WM. A. WAIT,
A. R. CARPENTER.