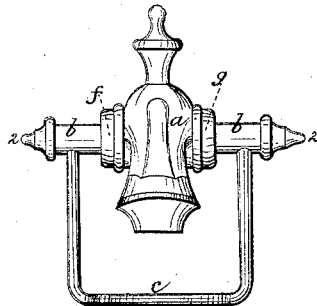
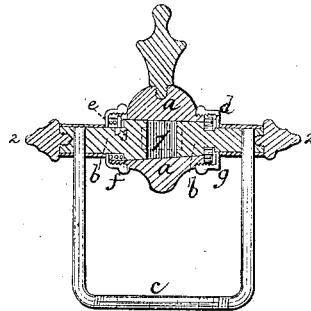


*A. Bain*  
*Faucet,*  
*No. 45,012,      Patented Nov. 15, 1864.*

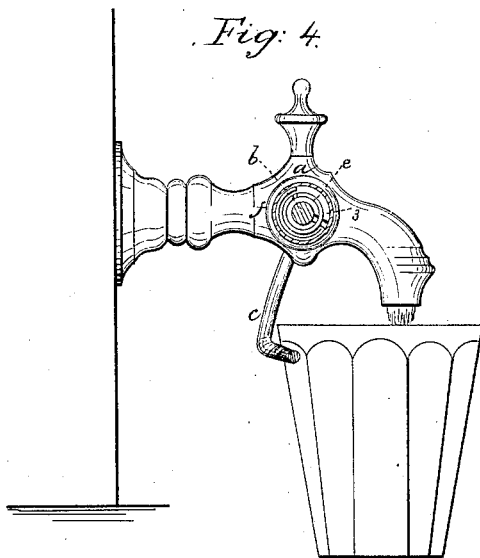
*Fig. 1.*



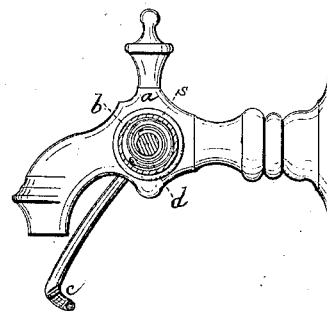
*Fig. 2.*



*Fig. 4.*



*Fig. 3.*



*Witnesses:*

*Lemuel W. Snell*  
*Chas. H. Smith*

*Inventor:*

*Alex. Bain*

# UNITED STATES PATENT OFFICE.

ALEXANDER BAIN, OF NEW YORK, N. Y.

## IMPROVEMENT IN FAUCETS.

Specification forming part of Letters Patent No. 45,012, dated November 15, 1864.

*To all whom it may concern:*

Be it known that I, ALEXANDER BAIN, of the city, county, and State of New York, have invented, made, and applied to use a certain new and useful Improvement in Means for Drawing Liquids; and I do hereby declare the following to be a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is a front elevation of my improved faucet or cock, and Fig. 2 is a section through the plug of the cock. Fig. 3 is a side view with the cap on one end of the plug in section and the parts at rest, and Fig. 4 represents the cock as in use for drawing liquids and the opposite cap of the plug in section.

Similar marks of reference denote the same parts in all the figures.

Various devices have heretofore been made for drawing liquids—such as tea, coffee, ice and boiling water, &c.—from the urn, cooler, or vessel containing the same, all of which have to be operated by the hand taking hold of the handle and turning the same so as to open the passage for the delivery of the said liquid. In all of said devices there has been great difficulty and inconvenience experienced, particularly in drawing hot liquids, on account of the heat communicated to the handle, and soldiers or others, having lost an arm or hand, are not readily able to draw liquids by such devices, because both hands are usually required to open the faucet and place the glass or other receptacle under the same. This is avoided with my apparatus, and only one hand is required.

The nature of my said invention consists in applying a yoke or lever below and to the plug of the faucet in such a manner that it shall stand in a vertical, or nearly vertical, position under the said plug, and when pushed back shall turn said plug so as to open the passage for the delivery of the liquid; and said plug is to be operated by placing the glass or other receptacle against said yoke or lever and pressing the same into the position shown in Fig. 4. Thereby the faucet does not have to be touched by the fingers, and when used with a water-cooler it is very convenient from the quick and simple way of in which it is used.

In the drawings, *a* is the barrel or body part of the faucet. *b* is the plug ground

into the same, and having the hole 1 for the delivery of liquids. *c* is the yoke or lever applied to the plug and turning the same when pressed upon. 2 2 are pointed screws, that secure the ends of the yoke *c* from becoming detached from the plug *b*, and at the same time make an ornamental finish to the ends of said plug. *d* is a volute spring, that winds up under the operation of drawing the liquid, and therefore turns the plug to close the passage when pressure is taken off of the yoke or lever *c*. *e* is a helical spring, applied between a shoulder on the plug *b* and the cap *f* for the purpose of creating a pressure on the said plug, thereby keeping it closely pressed into the barrel or body part of the faucet and preventing leakage. 3 is a pin on the plug to regulate the amount of turning motion of the same. *g* is a cap similar to the cap *f*, that completes the ornamental construction of the faucet and covers the spring *d*.

The operation of my improved faucet is as follows: Take the glass or other receptacle in the hand and place the same against the yoke or lever *c*; press it back to the position seen in Fig. 4, and the liquid will run into the glass. Upon relieving the pressure the spring *d* will cause the plug and yoke to assume the position shown in Fig. 3, thereby shutting off the supply.

It will be apparent that my said mode of operating the plug *b* is convenient, and that no handling of the yoke is required thereby preventing burning the fingers with hot liquids and making it easy for those having lost an arm or hand to operate the same.

The yoke or lever *c* might be bent into such a shape that the cock would be turned by pressing the vessel up against the same instead of said lever or yoke being pressed back.

Having thus described my said invention, what I claim, and desire by Letters Patent, is—

The yoke or lever *c*, applied below the plug of the cock or faucet in the manner specified, so that the liquid may be drawn by pressing the said yoke or lever by the vessel to receive the liquid, as specified.

In witness whereof I have hereunto set my signature this 24th day of June, 1864.

ALEXR. BAIN.

Witnesses:

LEMUEL W. SERRELL,  
CHAS. H. SMITH.