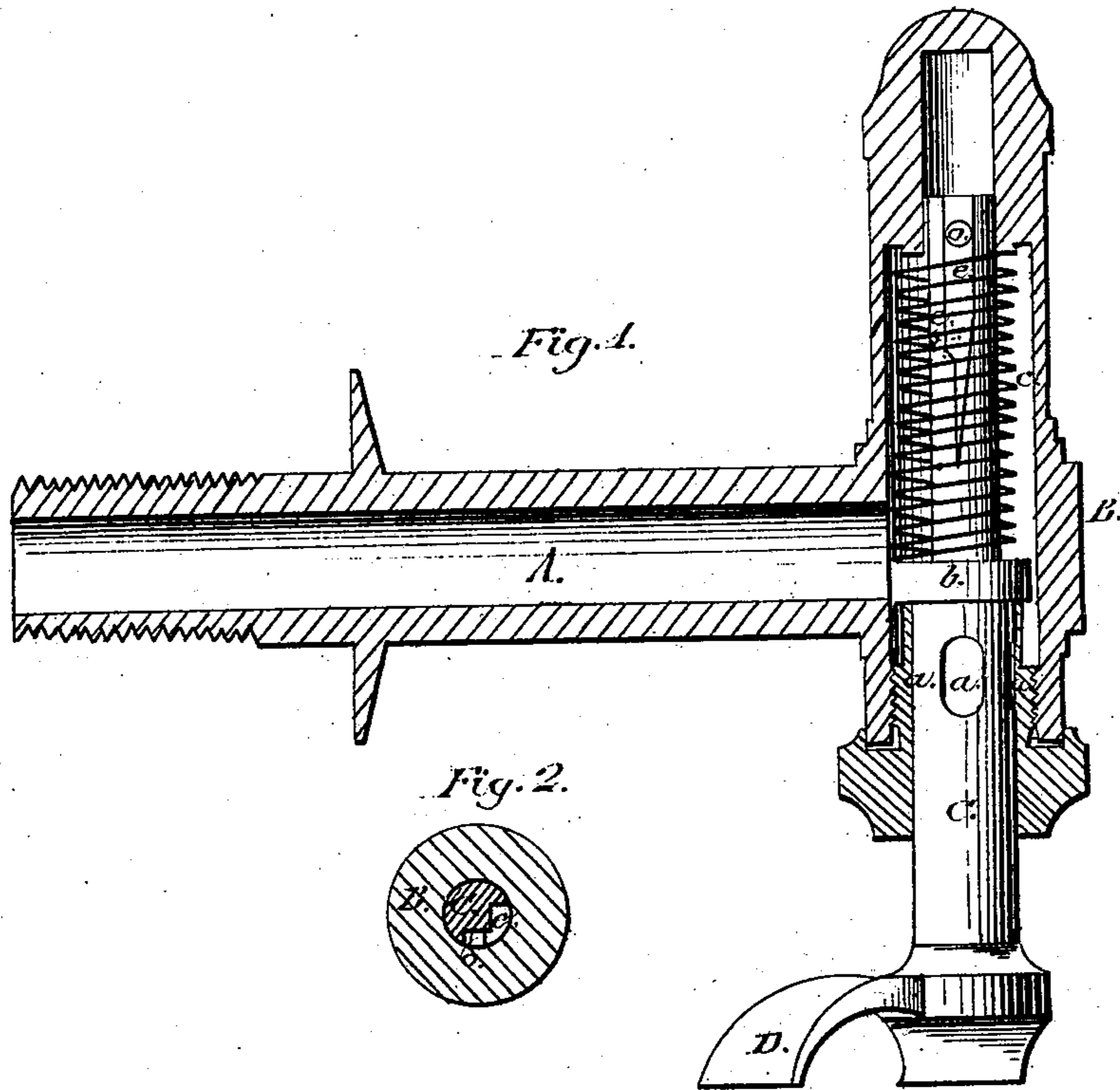


W. Weaver.

Faucet.

N^o 96,519.

Patented Nov. 2, 1869.



WITNESSES:

J. A. Westman
Lehigh Co.

INVENTOR:

Wm Weaver,
per
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Attorneys.

United States Patent Office.

WILLIAM WEAVER, OF NASHUA, NEW HAMPSHIRE.

Letters Patent No. 96,519, dated November 2, 1869.

IMPROVEMENT IN FAUCETS.

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, WILLIAM WEAVER, of Nashua, in the county of Hillsborough, and in the State of New Hampshire, have invented certain new and useful Improvements in Faucets; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the construction and arrangement of a "self-closing faucet," which closes instantly and completely, having no packing subject to friction, and an air-chamber over the valve.

In order to enable others skilled in the art to which my invention appertains, to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is a side view, in section, and

Figure 2 is a cross-section, showing the latching-process.

A represents a tube, the rear end of which is provided with screw-threads, to be inserted in a cask or barrel, or other vessel desired to be tapped.

The front end of the tube A opens in a vertical tube, B, which is open at the lower end, and closed at the upper end.

The lifter C, which is inserted in the tube B, from the lower end, forms a tube about one-half its length, so that the liquid which passes through the tube A, into the tube B, will find an outlet through the lifter C, by means of apertures or openings *a a*.

Above these openings is placed a valve, *b*, and above this, around the upper part of the lifter C, is a spiral spring, *c*, which presses the valve downward, preventing the liquid from escaping through the openings *a a*.

The tube B, above the valve *b*, thus forms an air-

chamber, and it will be seen that the pressure of the liquid, in addition to the pressure of the spring, will tightly close the valve, a seat being, of course, formed for the same in the tube B.

The valve *b* may be made of soft metal, or of a nut and rubber packing, whichever may be deemed most advantageous.

A valve thus constructed may also be used to prevent the escape of steam, when the steam will act in concert with the spring to close the valve.

The upper part of the lifter C is provided with a vertical slot, *e*, of suitable length, and a notch, *i*.

In the upper part of the tube B is a pin, *o*, which fits in the slot *e*, so that the lifter can not be turned around, except when it is raised high enough to allow the pin *o* to enter the notch *i*, when the lifter can be latched open.

The orifice or outlet of the lifter C is provided with a flange or projection, D, against which the cup or receiver is placed.

By then pressing the cup upward, the lifter is raised far enough to open the valve, and allow the liquid to flow. As soon as the cup or pressure is removed, the valve will be pressed back into its seat again.

Having thus fully described my invention,

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

The upward-acting lifter C, with valve *b*, slot *e*, and notch *i*, in combination with the latching-pin *o*, tube B, and stem A, all substantially as herein shown and described.

In testimony that I claim the foregoing, I have hereunto set my hand, this 27th day of November, 1868.

WILLIAM WEAVER.

Witnesses:

VIRGIL C. GILMAN,

J. P. S. OTTERSON.