A. J. Morse,

Molasses Gate,

No. 44.813, Patented Oct. 25, 1864.

Fig: 1.

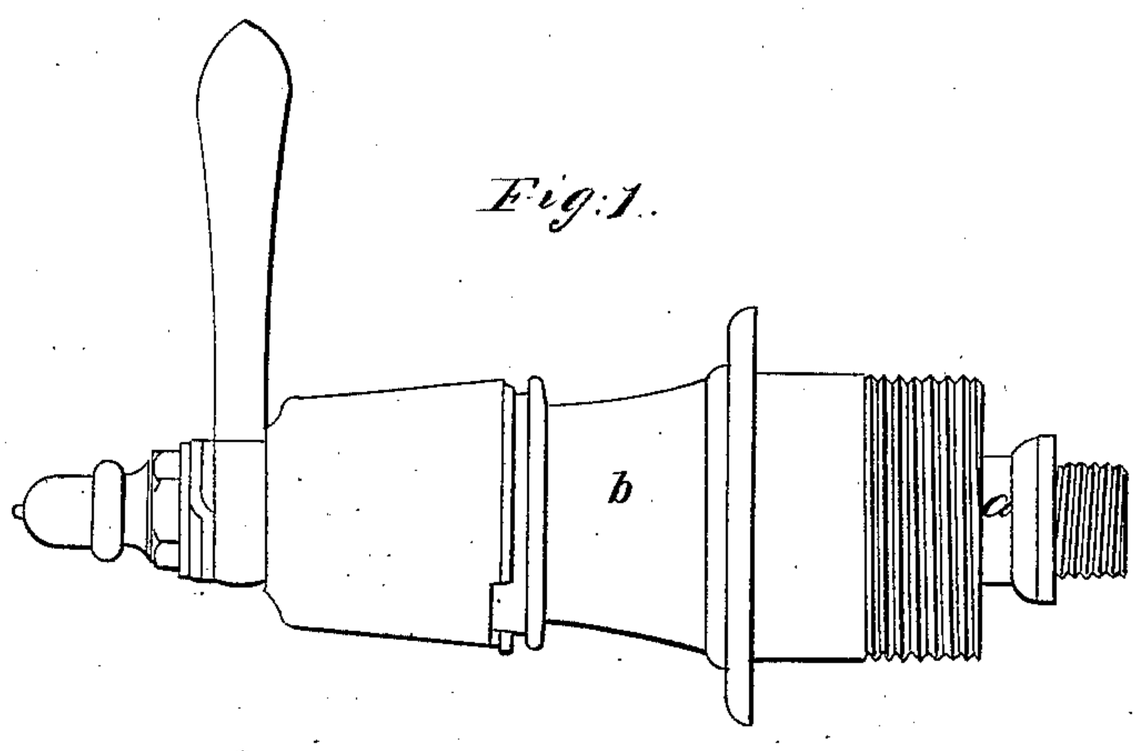


Fig: 2.

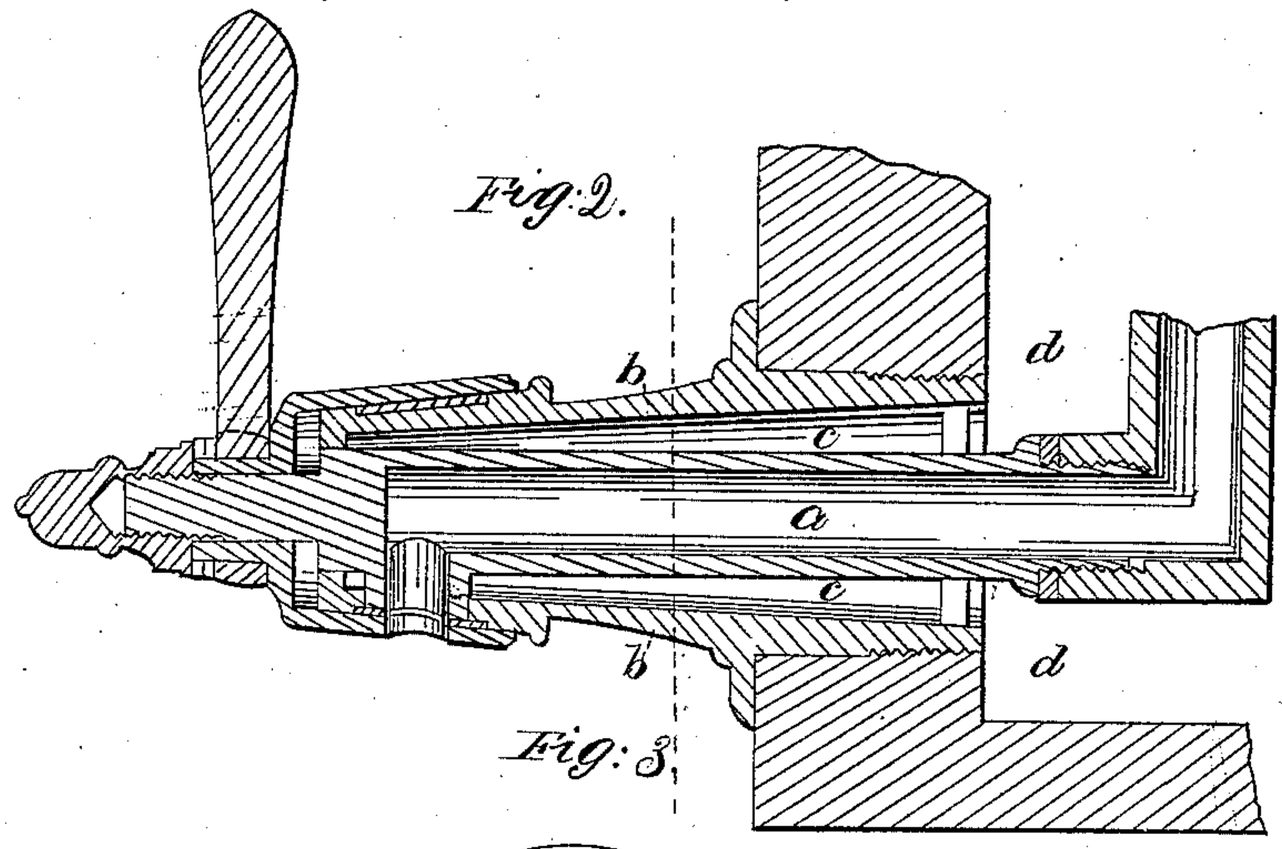
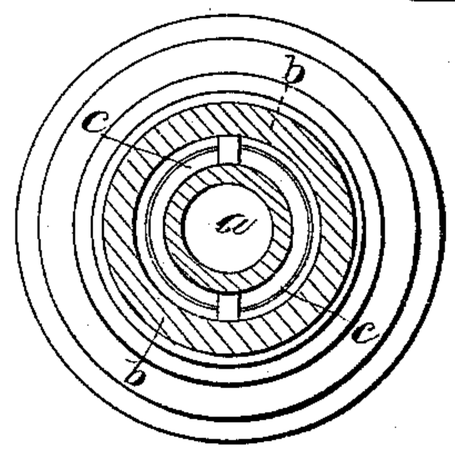


Fig: 3.



Witnesses:
P. Gould.
S. B. Kidder.

Inventor.
A. J. Morse.
by his Atty
J. B. Crosby

UNITED STATES PATENT OFFICE.

ANDREW J. MORSE, OF MELROSE, MASSACHUSETTS.

IMPROVEMENT IN FAUCETS.

Specification forming part of Letters Patent No. **44,813**, dated October 25, 1864.

To all whom it may concern:

Be it known that I, ANDREW J. MORSE, of Melrose, county of Middlesex, and State of Massachusetts, have invented an Improved Cock for Soda-Water Apparatus; and I do hereby declare that the following, taken in connection with the drawings, which accompany and form part of this specification, is a descripton of my invention sufficient to enable those skilled in the art to practice it.

This invention relates principally to the construction of sirup-cocks for soda-water apparatus, though applicable to other vessels from which fluids are to be drawn in either a heated or cooled condition.

It is well known that in the various kinds of apparatus now in use for preparing soda beverages, employing a refrigerating-box, containing the sirup-vessels and soda-tube, that the cocks projecting from the box or case have no means of being kept cool outside of the refrigerator, and as the sirup which is used for each successive draft from the same sirup-vessel is contained or mostly contained in the chamber of its projecting cock, the temperature of the beverage is raised thereby by the position of the same.

The object of my invention is to remedy this defect, and this result I accomplish by constructing the cock with an inner conduit for attachment to the sirup-pipe, and a surrounding chamber or passage, open at the end, so that when the cock is applied to the refrigerating box or vessel this outer chamber shall open directly into the ice-chamber thereof. It is this construction that constitutes my present invention.

Figure 1 is an elevation of my improved cock; Fig. 2, a longitudinal central section thereof; Fig. 3, a cross-section on the line *x x* of Fig. 2.

a denotes the central conduit or passage through which the sirup or other liquid is drawn; *v*, the outer casing of the cock, between which and the conduit *a*, and entirely around the conduit *a* is a passage or chamber, *c*. This chamber is open at its rear end, and so that when applied, as seen in Fig. 2, to the vessel *d*, it shall open directly into the same, permitting the fluid in the vessel, or the cold or hot air therein, to pass into the chamber *c*, and thus maintain the temperature of the fluid within the conduit *a* at the temperature within the vessel *d* out to the eduction opening of the cock.

My invention is intended principally for use with a novel construction of apparatus invented by me, the new features in which constitute the subject of another application for a patent of even date herewith; but this construction of the cock is applicable to any other soda apparatus of the general character shown in such application, and to many other kinds of vessels used for maintaining liquids at high or low temperature.

The pipe *a* may be arranged against one side of the chamber *b*, instead of passing centrally through the same, but I prefer the construction as shown and described.

I claim—

The improved cock, as constructed with a chamber surrounding the conduit through the same, or arranged in juxtaposition therewith.

In witness whereof I have hereunto set my hand.

ANDREW J. MORSE.

In presence of—
FRANCIS GOULD,
J. B. CROSBY.