J. S. MORTON.

Device for Attaching Faucets.

No. 168,171. Patented Sept. 28, 1875.

Fig. 3.

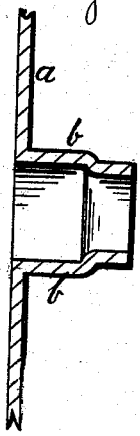


Fig. 4.

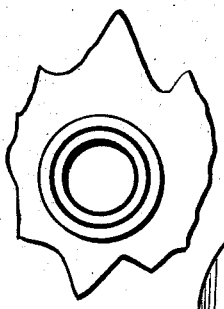
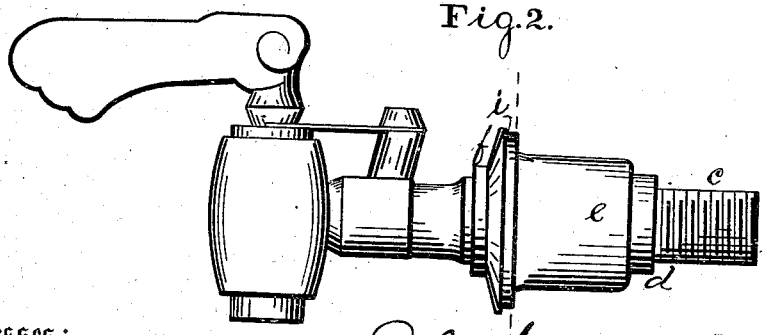


Fig. 1.

Fig. 2.



Witnesses:

John Wickfort

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UNITED STATES PATENT OFFICE.

JOHN S. MORTON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO DEMPSEY WICKER-COVERED GLASSWARE COMPANY.

IMPROVEMENT IN DEVICES FOR ATTACHING FAUCETS.

Specification forming part of Letters Patent No. **168,171**, dated September 28, 1875; application filed July 12, 1875.

To all whom it may concern:

Be it known that I, JOHN S. MORTON, of Philadelphia, Pennsylvania, have invented an Improvement in Glass Bottles and Demijohns, of which improvement the following is a specification:

My invention consists of a combination of devices for securing a faucet or spigot in the side of any glass vessel, such as a bottle or demijohn.

In the drawings, Figure 1 is a sectional elevation of a bottle and faucet, showing, in section, my said devices. Fig. 2 is an elevation of a faucet, also of the boss *f*, packing *i*, tube *c*, and the nut or bush *d*, with its cup-shaped attachment. Figs. 3 and 4 are, respectively, sectional and front elevation views of a portion of the side of a bottle, and of the hollow projection *b* within the bottle.

In Fig. 1, *a* is the bottle. *b* is a hollow projection, preferably tubular, a little tapered on the exterior, proceeding from some point in the side within the bottle. This projection forms a part of the body of the bottle, being molded with it when the bottle is molded. *c* is a tube, provided with an exterior screw-thread at either end, as shown. *d* is a nut, to which there is soldered, or otherwise securely attached, a cup, *e*, a little flared or tapered, so as to correspond with and fit over the exterior shape of the projection *b*, to which it is applied. *f* is a boss. *g* is a tubular washer, of cork or other elastic material, through which the leg *h* of the boss passes. *i* represents spongy or compressible packing, preferably formed by winding lamp-wick around the cork washer *g* against the inner side of the boss *f*.

In getting these several parts into their proper respective positions I am obliged, by the comparatively small size of the bottle's mouth, to proceed as follows: The nut *d* is screwed onto the tube *c* more or less—that is to say, sufficiently to unite the two. A fine wire or a strong twine string, provided with a knot, cross-stick, or curb of any kind, sufficiently large or long to prevent the curb from being drawn through the bore of nut *d*, (said curb being located at or about the middle of the length of the wire or string,) is passed through the nut *d*, the curb being above the nut; one end of the wire or string is then inserted into the bottle, and allowed to drop to the bottom of the bottle. A hooked wire, or some equivalent implement, being then inserted through the open tubular projection *b*, the end of said string is caught and drawn out through said projection. The nut *f* is then allowed to slide down on the string to the projection *b* and the end of the tube *c* to enter the projection, while the cup *e* of the nut *d* is applied to the exterior of the projection. The wire or string is then drawn through the tube *c* until the curb above mentioned comes in contact with the end of the inserted tube *c*. A small quantity of cement is now introduced into the tubular projection *b* around the inserted tube *c*. The drawn-out end of the string is then passed through the boss *f*, which is then screwed onto the inserted tube *c*. The string and curb are then drawn out of the mouth of the bottle, and a forked rod or a long-handled wrench introduced through the mouth of the bottle is applied to the cup *e*, to hold it firmly while the boss is being screwed into position.

I claim—

The combination of the hollow interior projection *b*, the tube *c*, provided with exterior screw-threads, the nut *d*, with its cup *e*, and the boss *f*, forming means for securely attaching faucets to glass vessels, such as bottles and demijohns, substantially as set forth.

JOHN S. MORTON.

Witnesses:

JOHN NEIL FORT,

THOS. A. BURTT.