

Ephraim D. Weatherbee's

113603 Imp<sup>d</sup> Cork Fastener

PATENTED APR 11 1871

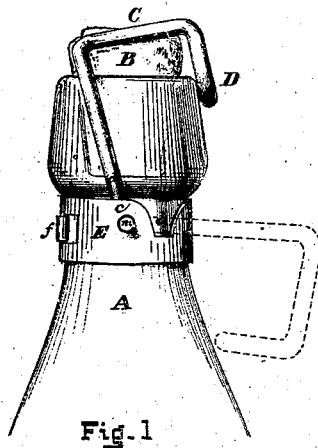


Fig. 1

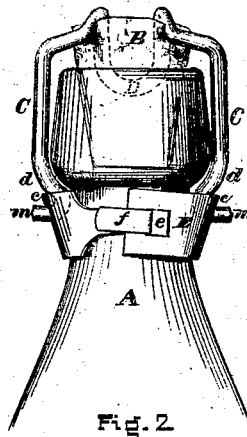


Fig. 2



Fig. 3

— Witnesses —

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# United States Patent Office.

EPHRAIM D. WEATHERBEE, OF WORCESTER, MASSACHUSETTS.

Letters Patent No. 113,603, dated April 11, 1871.

## IMPROVEMENT IN BOTTLE-FASTENINGS.

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, EPHRAIM D. WEATHERBEE, of the city and county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Cork-Fasteners for Bottles; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing which forms a part of this specification, in which—

Figure 1 represents a side view of my improved cork-fastener;

Figure 2 represents a front view of the same; and

Figure 3 represents a view of the collar when straightened out.

To enable those skilled in the art to which my invention belongs to make and use the same, I will proceed to describe it more in detail.

The nature of my invention consists in certain improvements in cork-fasteners, as hereinafter described.

In the drawing—

The parts marked A indicate the neck of the bottle;

B indicates the cork;

C; the wire-fastener provided with a loop or stop, D; and

E indicates the collar for securing the fastener C to the neck of the bottle.

The collar E is made of sheet metal, and is formed as shown in fig. 3, the metal being cut away, as shown at *a a*, so as to form ear-pieces, *c c*, in which are openings to receive the ends of the fastener-wire C.

The collar is secured to the bottle-neck A by passing its tongue *f* through the opening *e* at the opposite end of the collar, and, after drawing it tightly around the bottle-neck, the tongue *f* is folded down, as indicated in fig. 2, and thus holds the collar in place.

The top part of the fastening-wire C is made in

form as described in the Letters Patent No. 90,037, granted to me May 11, 1869, while the lower ends thereof are bent inward at *d* so as to fit around the swell of the bottle-head and pass under the collar.

The extremities *m* of the wire C are turned directly outward in a horizontal position and passed through the openings in the ear-pieces *c*, thus forming pivots, upon which the fastener C can be swung back when it is desired to release the cork.

When the collar E is secured around the neck of the bottle the ear-pieces *c* spread outward and allow sufficient space for the wire of the fastener C between the collar and the bottle-neck; and when the fastener C is sprung back the wire passes down into the depressions *a*, as indicated by dotted lines in fig. 1, so that it can be swung back freely to a horizontal position, without binding or straining upon the collar E.

The loop or stop D strikes against the side of the bottle and prevents the fastener from being swung back far enough to tear out the ear-pieces *c*, thus rendering the parts much more durable than in the ordinary fastenings.

It will be observed that the collar E may be adjusted to any size of bottle-neck with equal facility.

Having described my improved cork-fastener for bottles.

What I claim therein as new and of my invention, and desire to secure by Letters Patent, is—

The combination with the wire fastener C, provided with a loop or stop, D, of the adjustable collar E, formed with ear-pieces *c* and depressions *a*, substantially as and for the purposes set forth.

EPHRAIM D. WEATHERBEE.

Witnesses.

A. E. PEIRCE,

CHAS. H. BURLEIGH.