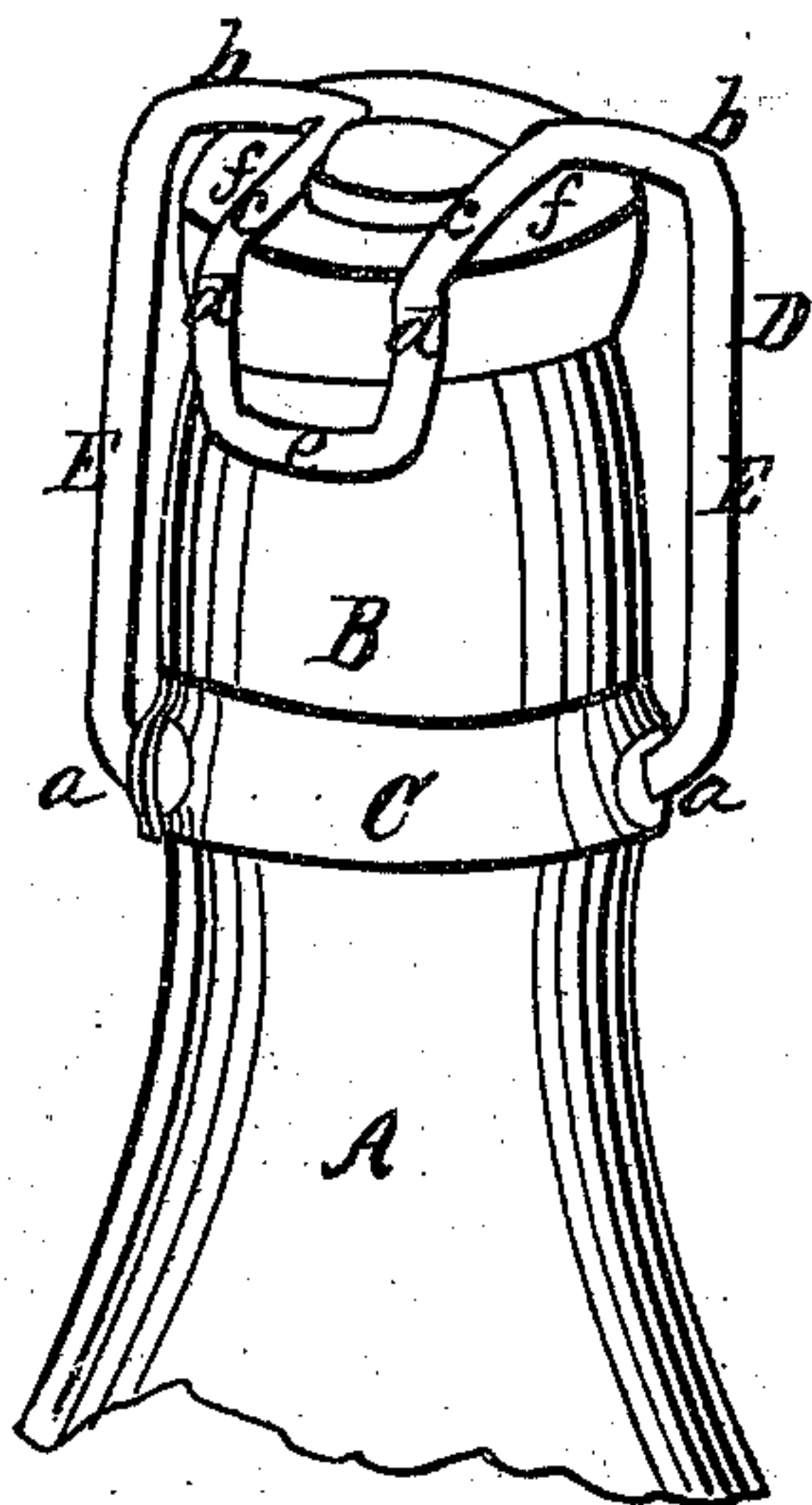


E. I. Weatherbee,

Cork Fastener.

No. 90,037.

Patented May 11, 1869.



Witnesses

Thos. H. Dodge
D. L. Miller

Inventor

E. I. Weatherbee

UNITED STATES PATENT OFFICE.

E. D. WEATHERBEE, OF WORCESTER, MASSACHUSETTS.

IMPROVED CORK-FASTENER.

Specification forming part of Letters Patent No. 90,037, dated May 11, 1869.

Know all men by these presents:

That I, E. D. WEATHERBEE, of the city and county of Worcester, and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Cork-Fasteners for Bottles; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which so much of a bottle is shown as is necessary to illustrate my present improvement.

To enable others 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 a peculiarly-constructed metal fastening for retaining the cork in place, as will be hereafter explained.

In the drawings, A is the neck or top of the bottle, having the usual projection B, and under which a metal band, C, is secured, and in which band the ends *a a* of the wire cork-fastening D are secured in the common mode heretofore practiced.

From the tops of the side arms E E the wire is bent in at a right angle, or nearly so, as shown at *b b*, then back, as shown at *c c*, then down to form the loop or stop *d d e*.

The mode of applying the fastening to the cork is as follows: The cork being inserted, the fastening D is forced forward over the top of the cork until the loop or stop *d d e* strikes against the top of the bottle, as shown in the drawings. When in this position the inward bends *b b* are past the center of the cork, while the stop or loop presses close against the top of the bottle, the side arms E E occupying oblique positions as respects a vertical line passing up through the center of the bottle and cork.

From the foregoing description it will be seen that my present improvement obviates the objection to the somewhat similar wire cork-fastening heretofore in use. In that fastening the arms E E occupied vertical positions in line with the center of the cork while the side stop or loop *d d e* was wanting. The objections to this old fastening were that it was liable to be slipped either way from the top of the cork by any casual blow or pressure.

The fastening shown in the drawing is prevented from slipping off in one direction by the stop *d d e*, while the bends *b b* are forced so far over toward the opposite side from said stop that the expansion of the cork at the points *f f* prevents the fastening from slipping back without much force is applied for that purpose.

It will be further noticed that as the tops of the arms E E are past the center of the cork, while their lower ends are fastened to band C at the center of the bottle-neck, the expansion of the cork against the fastening tends to draw the stop *d d e* closer against the top of the bottle.

Those skilled in the art of bottling mineral waters cannot fail to appreciate the practical value of my present improvement.

Having described my improvement in cork-fasteners for bottles, what I claim therein as new and of my invention, and desire to secure by Letters Patent, is—

A cork-fastener having a side stop or loop, *d d e*, and otherwise constructed substantially as shown, and for the purposes described.

E. D. WEATHERBEE.

Witnesses:

THOS. H. DODGE,
D. L. MILLER.