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UNITED STATES PATENT OFFICE.

DANIEL MILLER, OF MARIETTA, OHIO.

IMPROVED CORK-FASTENER FOR BOTTLES.

Specification forming part of Letters Patent No. 32,306, dated May 14, 1861.

To all whom it may concern:

Be it known that I, DANIEL MILLER, of Marietta, in the county of Washington and State of Ohio, have invented a new and Improved Cork-Fastener for Bottles; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a vertical transverse section of a common mineral-water bottle, and through my improved fastener, which is applied to it, representing the fastener in three positions. Fig. 2 is a side view of the neck part of the bottle, showing in an end view my improved fastener applied to it and holding a cork. Fig. 3 is a top view of the fastener detached from the bottle. Fig. 4 is a perspective view of the fastener.

Similar letters of reference indicate corresponding parts in the several figures.

This invention is applicable to any kind of bottles which are used for holding fermented liquids; but it is more especially intended for mineral-water bottles for holding the corks in the bottles, and to take the place of wire fastenings, now so commonly used on mineral-water bottles.

To enable those skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawings, *a a* represent two vertical portions, which are curved, as represented in Figs. 1, 2, and 4, and connected at their upper ends to the sides of a curved holder, *b*, which in a top view represented in Fig. 3 resembles the letter *U*. The ends of this *U*-shaped cap or holder *b* are bent downward on each side of the arms *a a*, so that the curve of this *U*-shaped cap is concentric with a point at *x*, Fig. 1. This peculiarly-curved holding portion *b*, with its two curved arms *a a*, may be cast of malleable iron in one piece.

B is a triangular-shaped collar with its sides curved outward, which is made of strap metal and placed around the neck of the bottle *A*, under the head portion *C* of this neck,

and secured at the ends by a tongue, *e*, formed on one end, which passes through an eye formed on the other end, and is bent over so as to form a hook, as represented in Figs. 1, 2, 3, and 4. On each side of the collar, and at the points lettered *g g*, the lower ends of curved arms *a a* are pivoted. These pivoted points are on one side of a vertical line drawn through the center of the bottle *A*, and represented by the dotted red line *y y* in Fig. 1. The arms *a a* are also curved outward, as represented in Fig. 2, so as to pass on each side of the head *C* of the bottle, and over the rounded edges of the cork *D*. The prongs of the holder or cap *b* are sufficiently near together (and parallel to each other) to pass well over the top of the cork *D*. It will be seen by reference to Fig. 1 that the prongs *b b* are longer than the diameter of the top of the cork *D*, and when they are slipped over the cork, as represented in black lines in this figure, their ends will project out equal distances from each side of the cork. The arms *a a* are so curved and pivoted to one side of the center line, *y y*, that the cap *b* will have a regular downward draft in forcing it over the cork *D* to the position represented in black lines, Fig. 1, and when the fastener is brought to this position it will be seen that the upward pressure of the cork against the *U* portion *b* will not cause this fastener to fly back, as the curved prongs of the *U* portion have nearly a level bearing, whether they be partially or completely on the cork.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

As an improved article of manufacture, a bottle-cork fastener that has the arms *a* of its cap *b* pivoted in the rear of the center of the neck-collar *B*, and otherwise made as herein shown and described.

DANIEL MILLER.

Witnesses:

F. A. LOVELL,
WM. LOVELL.