

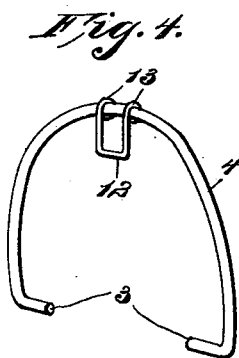
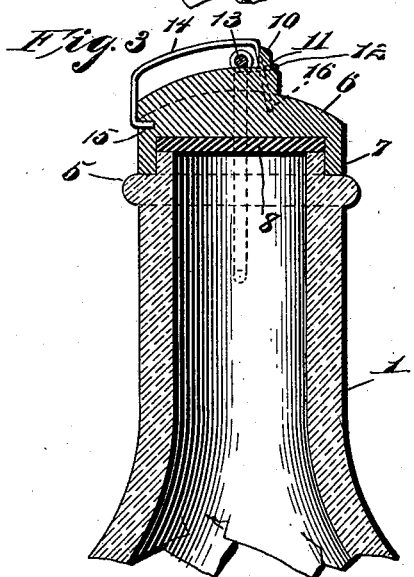
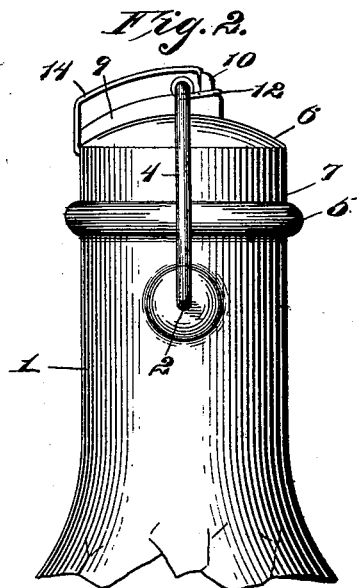
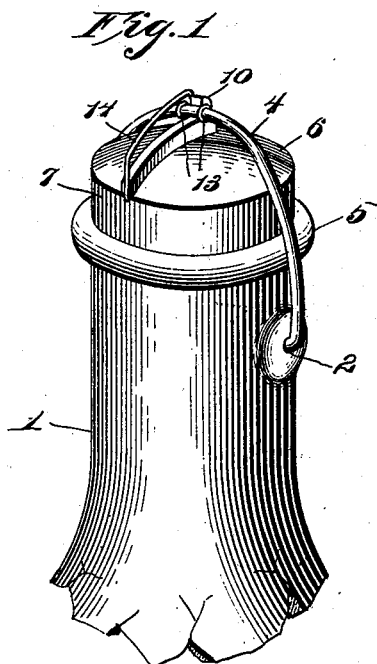
No. 646,653.

Patented Apr. 3, 1900.

J. S. ALSTON.
BOTTLE STOPPER.

(Application filed July 14, 1899.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN S. ALSTON, OF ATLANTIC CITY, NEW JERSEY.

BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 646,653, dated April 3, 1900.

Application filed July 14, 1899. Serial No. 723,845. (No model.)

To all whom it may concern:

Be it known that I, JOHN S. ALSTON, a citizen of the United States, residing at Atlantic City, in the county of Atlantic and State of New Jersey, have invented certain new and useful Improvements in Bottle-Stoppers, of which the following is a specification.

My invention relates to stoppers adapted especially for beer-bottles; and it consists of a cap adapted to fit over and close the mouth of the bottle and provided with improved fastening means, as hereinafter disclosed.

The invention also consists in providing the cap or stopper with an internal disk or washer coated with paraffin or equivalent material.

The construction of the improvement will be fully described in connection with the accompanying drawings, which form a part of this specification, and its novel features will be defined in the appended claims.

In the drawings, Figure 1 is a view in perspective of a bottle-neck with my improvement applied thereto. Fig. 2 is a side elevation of the same. Fig. 3 is a central vertical section of the device, and Fig. 4 is a detail perspective view of the cap-bail and its securing-loop.

The reference-numeral 1 designates a bottle-neck formed at diametrically-opposite sides with openings 2 to receive the bent ends 3 of the securing wire bail 4. The bottle-neck is also formed with an annular flange or collar 5, which serves as a guard to prevent displacement of the cap 6, which is provided with an annular depending flange 7, fitting over the top of the neck. The under surface of the cap 6 is provided with a disk or washer 8, coated with paraffin or equivalent material to avoid the deterioration of the contents of the bottle which results from the use of rubber stoppers. Upon the rounded upper surface of the cap is located a radial rib 9, and at the center of the cap, adjoining the inner end of the rib 9, is a projecting lug 10, having a depression 11, adapted to be engaged by a loop 12, which is secured to the center of the bail 4 by bending its ends 13 around the bail.

14 represents a guard or keeper of wire, the ends of which are bent, as shown, to enter openings 15 and 16, formed in the cap.

The function of the radial rib 9 is to present a narrow bearing for the bail 4, thus avoiding undue friction in forcing the bail over the cap.

The utility and mode of operation of the device will be readily understood. After the cap has been placed upon the mouth of the bottle-neck the bail 4 is raised to the position shown in Figs. 1, 2, and 3, and the loop 12 is turned over the lug 10 to secure the bail and cap in place. The contact of the securing-bail with the radial rib 9 forces the cap into close contact with the mouth of the bottle-neck, insuring an air-tight closure thereof.

To open the bottle, it is only necessary to disengage the loop 12 from the depression in the lug 10, after which the bail may be turned down to release the cap.

I claim—

1. A bottle-stopper comprising a cap fitting over the mouth of the bottle; a washer within said cap; a radial rib projecting from the outer surface of the cap; a guard arranged above said rib; a catch-lug projecting centrally from the cap; a bail pivotally secured to the bottle-neck; and a loop loosely secured to the bail, and adapted to engage said catch-lug.

2. The combination with a bottle-neck, provided with diametrically-opposite openings, and with an annular flange or collar, of a cap formed with an annular depending flange, fitting over the bottle-neck and provided with a radial rib; a lug projecting centrally from the cap and formed with a depression; a guard or keeper arranged above said rib; a bail pivotally secured in the openings in the bottle-neck; and a loop pivotally secured to the bail and adapted to engage the depression in said lug.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN S. ALSTON.

Witnesses:

JOSEPH E. COFFEY,
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