

W. BOURGUIGNON.
Bottle-Stoppers.

No. 158,464.

Patented Jan. 5, 1875.

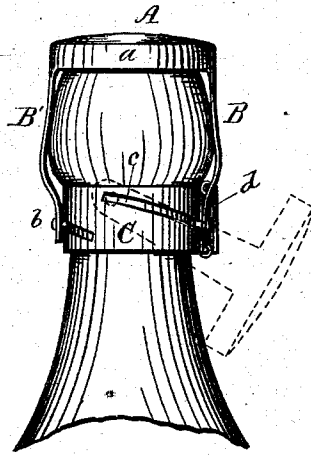


FIG. 1.

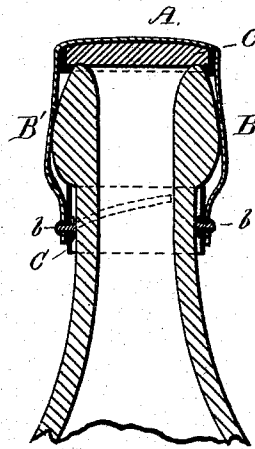


FIG. 2.

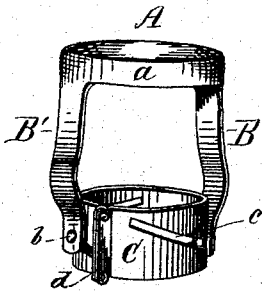


FIG. 3.

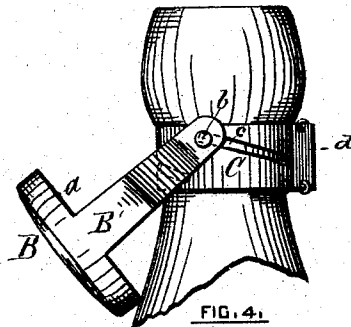


FIG. 4.

WITNESSES.

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WENDEL BOURGUIGNON, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN BOTTLE-STOPPERS.

Specification forming part of Letters Patent No. **158,464**, dated January 5, 1875; application filed October 24, 1874.

To all whom it may concern:

Be it known that I, WENDEL BOURGUIGNON, of Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Bottle-Stoppers; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 represents an elevation of my improved bottle-stopper; Fig. 2, a vertical central section of the same; Fig. 3, a perspective view of the cap detached from the neck of the bottle; and Fig. 4, an elevation of the bottle-neck and fastening, showing the cap removed.

Similar letters of reference indicate corresponding parts.

This invention has relation to that class of stoppers where a cap or cover is used in connection with suitable fastenings to allow of the cap or cover being secured to or removed from the mouth of the bottle; and my invention consists in a cap provided with arms, working in oppositely-inclined slots or grooves in a band or strap encircling the neck of the bottle, as will be hereinafter more fully described.

A in the drawing represents a cap having an annular flange or rim, *a*, which receives a suitable packing of cork, india-rubber, or other elastic material, forming an air or liquid tight joint between the cap and mouth of the bottle. This cap A is provided, upon opposite sides, with arms B B', slightly curved in an outward direction to conform to the swell in the bottle-neck. A band or strap, C, formed of

suitable material, encircles the bottle-neck, and is provided with oppositely-inclined grooves *c c*, in which slide or travel pins *b b*, secured to the ends of the arms B B'. This strap or band C, after being placed around the neck of the bottle, is securely fastened thereon, the ends of the band forming a thumb-piece, *d*, with which to operate the fastening.

The cap A is released from the mouth of the bottle in the following manner: The band or strap C is turned in the required direction by the thumb-piece *d*, at the same time holding the cap A in a vertical position, the pivots or pins *b b* following the inclined grooves *c c* until the cap A is raised sufficiently to allow of its being moved aside, as shown in Fig. 4 of the drawing.

When it is desired to fasten the cap A upon the mouth of the bottle, the cap is placed in an upright position, and held there while the band or strap C is moved in an opposite direction to that in releasing the cap until the same is brought down firmly upon the mouth of the bottle.

This stopper-fastening is simple in construction, and capable of being secured to bottle-necks of any form or size.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

In combination with the oppositely-inclined grooved band C, the cap A, provided with arms B B' and suitable fastening-pins *b b*, constructed to operate substantially as and for the purpose set forth.

WENDEL BOURGUIGNON.

Witnesses:

D. B. POTTER,
IRA O. SEAMANS.