

No. 807,381.

PATENTED DEC. 12, 1905.

J. A. HICKS.

MEANS FOR SECURING STOPPERS FOR VESSELS IN THEIR CAPS.

APPLICATION FILED JAN. 10, 1905.

Fig. 1.

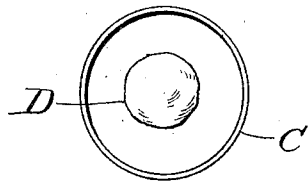


Fig. 2.

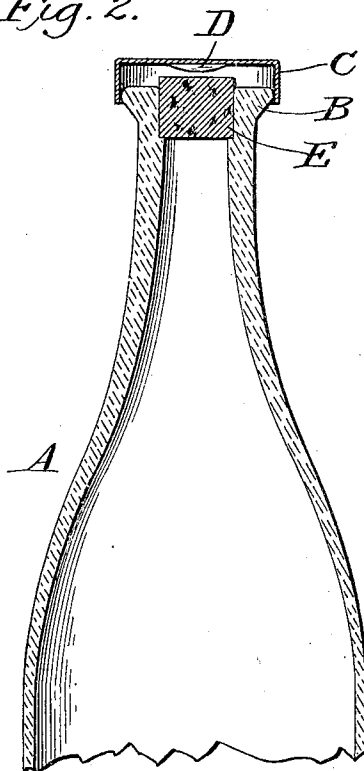


Fig. 3.

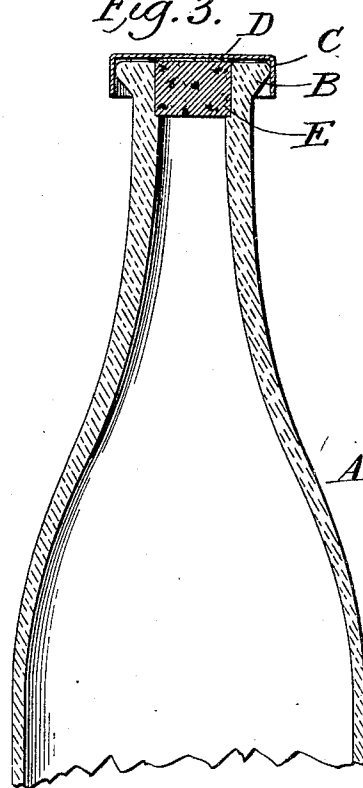
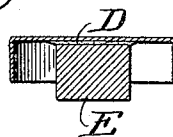


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN AUGUSTUS HICKS, OF SUMMIT, NEW JERSEY, ASSIGNOR TO THE
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MEANS FOR SECURING STOPPERS FOR VESSELS IN THEIR CAPS.

No. 807,381.

Specification of Letters Patent.

Patented Dec. 12, 1905.

Application filed January 10, 1905. Serial No. 240,437.

To all whom it may concern:

Be it known that I, JOHN AUGUSTUS HICKS, a citizen of the United States, residing at Summit, Union county, New Jersey, have invented certain new and useful Improvements in Means for Securing Stoppers for Vessels in their Caps, of which the following is a specification.

My invention relates to means for securing stoppers for vessels to their caps; and it consists in a certain operation fully set out in and claimed at the end of the following specification.

In order that persons skilled in the art to which my invention appertains may understand and practice my invention, I will proceed to describe it, referring to the accompanying drawings, in which—

Figure 1 is an inside view of a metal sealing-cap having a deposit of gum near its central portion. Fig. 2 is a longitudinal central section of a bottle with cap of Fig. 1 placed above its mouth previous to locking the cap to the bottle and joining it to the stopper. Fig. 3 is a similar view to Fig. 2, showing the several parts with the cap down upon the bottle mouth and stopper as it would appear when locked to the bottle. Fig. 4 shows a sectional view of the cap and stopper secured to it after removing it from over the bottle-mouth.

A is the body of the bottle.

B is the usual bead at the top of the neck.

C is a cap.

D is a deposit of gum inside the cap C.

E is the stopper, usually of cork.

The operation is as follows: The gum hav-

ing been placed in cap C in any manner and the stopper having been placed in the mouth of the bottle after filling the bottle with liquid the stopper will necessarily be wet. The cap is then placed over the mouth of the bottle and locked to the bottle, bringing the cap and stopper in close contact by pressure. This dampens the gum in the cap and the cap and stopper then adhere to each other, and when after a time they become dry when removing the cap from the bottle the stopper comes away with it. In lieu of putting the adhesive material in the cap itself of course the adhesive material may be placed on the stopper to the same end; but it is not as convenient nor the preferred form of my invention.

Having now fully described my invention and the manner in which I have embodied it, what I claim as new and as my invention, and desire to secure by Letters Patent, is—

An article of manufacture consisting of a sealing-cap for vessels comprising a cup-shaped cap, and sealing-stopper of less diameter than the inner diameter of the said cap, the one cemented to the other by adhesive material between the top of the stopper and the inner surface of the top of the cap only, substantially as specified.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 9th day of January, 1905.

JOHN AUGUSTUS HICKS.

Witnesses:

JAMES M. HICKS,

C. H. CARLIN.