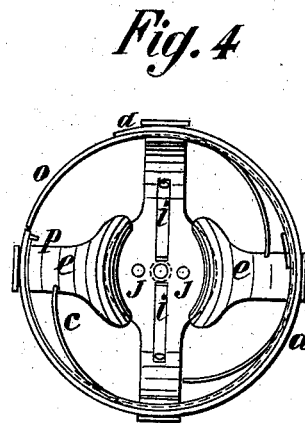
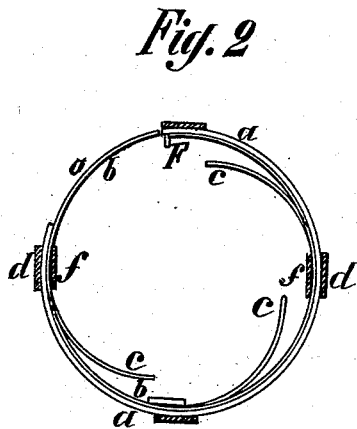
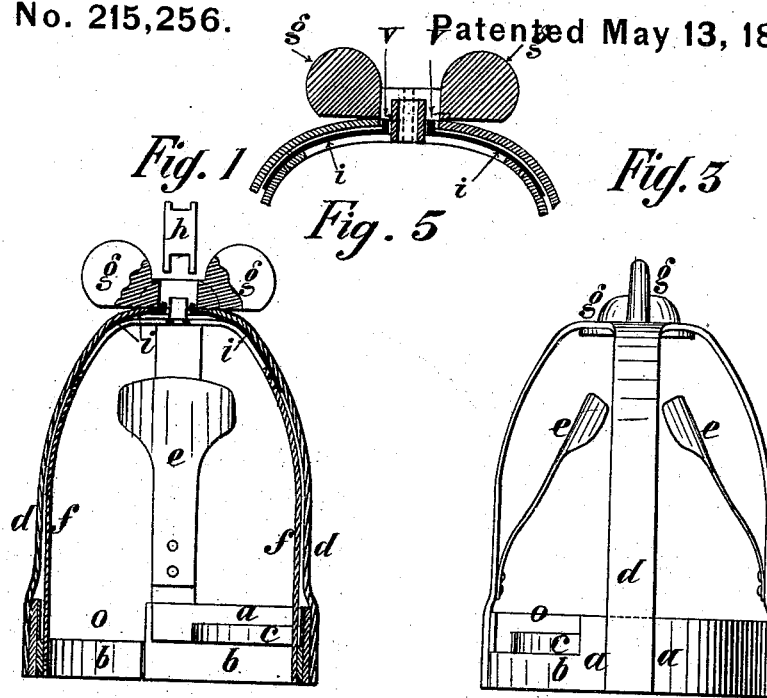


A. H. WARNER.  
Bottle-Stopper Lock.

No. 215,256.

Patented May 13, 1879.



Witnesses:  
Amos Broadus  
William H. Broadus

Inventor:  
Arthur H. Warner

# UNITED STATES PATENT OFFICE.

ARTHUR H. WARNER, OF NEW YORK, N. Y.

## IMPROVEMENT IN BOTTLE-STOPPER LOCKS.

Specification forming part of Letters Patent No. **215,256**, dated May 13, 1879; application filed September 10, 1878.

*To all whom it may concern:*

Be it known that I, ARTHUR H. WARNER, of the city, county, and State of New York, have invented a new and Improved Bottle-Lock, to be used upon jugs, bottles, or demijohns for the purpose of securing the cork, the lock to be opened only by those having its key; and I do hereby declare the following to be a description of the same, and of the manner of constructing and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the arts to which it appertains, or with which it is most nearly connected, to make and use the same, reference being had to the accompanying drawings, making part of this specification.

The object of my invention is to lock the cork or stopper in a bottle, jug, or demijohn, and secure it there in such manner that it cannot be removed without a key to unlock the fastening; and my invention consists of a bottle-lock composed of the following parts, substantially, in combination: first, of a metal band to slip over the collar on the neck of the bottle; secondly, of a spring or a series of springs fitted in said band to hug the neck of the bottle under the collar or shoulder usually made around the top of the neck; thirdly, of a crown piece or pieces fitted to said band, formed and arranged to reach over and embrace the top of the cork; fourthly, of a sliding metal band fitted snugly inside of the band first above mentioned; fifthly, of crown-pieces of the same form, and fitted inside of those above described, and connected to them by means of springs fitted with pins to match and work into holes made in the outside crown-bands, by which the inside band encircling the neck of the bottle and the inside crown-band are fixed and held in a given position in the outside bands or frame; sixthly, of a pair of springs or guides fixed to the outside crown-bands to embrace the neck of the bottle and hold the lock centrally over the cork; seventhly, of a thumb-button fitted with a shank or pins to pass through the top of the outside crown-bands and fasten to the top of the inside crown-bands, by which the inside crown-bands and neck-band are made to turn in the

outside ones and open and close the springs that secure the lock on the neck of the bottle.

In the drawings, Figure 1 is a vertical section through the lock; Fig. 2, a transverse section; Fig. 3, an elevation, and Fig. 4 an inverted view of the same.

Reference being had to the drawings, *a* represents the outside metal band that encircles the neck of the bottle. In this instance a section is cut out of this band at *o* to admit the handle of the jug or bottle in case there be one; but for bottles with no handles, or with handles that do not come to the top of the neck, this band is entire, and the same is true of the inside band *b*.

The springs to hug the neck of the bottle under the shoulder or collar are shown by *c*. They are fitted in a groove in the outside band above the top of the inside band, so that the crown-bands *f f*, which are fastened to the inside of the band *b*, in turning, force the springs back from under the collar on the neck of the bottle and release the lock.

The outside crown-bands, which, in conjunction with the band *a*, really constitute the frame of the lock, are shown by *d d*.

The inside crown-bands, by which the springs, which, in this instance, are the bolts of the lock, are operated, are shown by *f f*.

The springs or guide-pieces which hold the lock in a central position around the cork are shown by *e*. They are fastened to the outside crown-pieces in the manner shown.

The thumb-button is shown by *g*, and the key which passes through it, and by which, in conjunction with the button, it is operated, is shown by *h*. The under side of this button is fitted with a pair of pins, *J J*, that pass through a circular opening in the top of the outside crown-piece and enter the inside crown-piece, by which the latter is turned by the button when unlocked.

The springs by which the inside crown-pieces are fixed to the outside ones are shown by *i i*. They are united to the inside crown pieces or bands, and are provided with projections or pins *V V*, Fig. 5, to catch in a recess cut in the bottom of the thumb-button, through which the fork end of the key enters, by which the

springs are pressed back and the lock turned one way or the other to lock or unlock it, as may be desired.

I claim as my invention—

A bottle-lock consisting, first, of a band fitted with spring-catches to encircle and hug the neck of the bottle; second, of crown pieces or bands to embrace the cork; third, of an inside circular and movable band and crown-pieces to release the spring-catches from around the

neck of the bottle, and fitted with spring-catches to secure it to the outside crown-pieces or frame, and a key to detach the springs, the whole to be in combination, substantially as described.

ARTHUR H. WARNER.

Witnesses:

WILLIAM H. BROADNAX,  
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