

J. T. Hough,

Stopper Lock.

No. 107,778.

Patented Sept. 27, 1870.

FIG. 1.

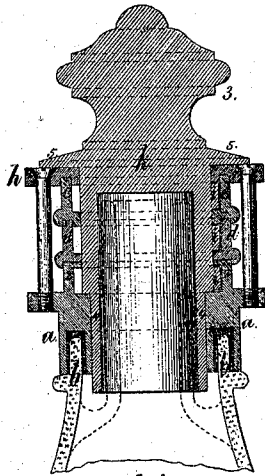


FIG. 3.

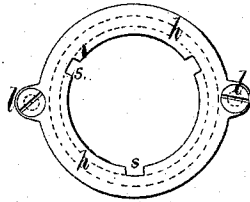
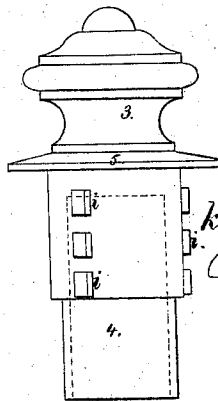


FIG. 2.



Witness

Chas. H. Smith

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United States Patent Office.

JAMES T. HOUGH, OF NEW YORK, N. Y.

Letters Patent No. 107,778, dated September 27, 1870; antedated September 26, 1870.

IMPROVEMENT IN LOCKING-CAPS FOR BOTTLES.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, JAMES T. HOUGH, of the city and State of New York, have invented and made a new and useful Improvement in Locks for Bottle-Stoppers, and the following is declared to be a correct description of the same.

Various devices have been made for securing bottles containing liquids, so that the same could not be easily opened. Stands have been provided with caps to inclose the stoppers, said caps being locked down to place after the bottle has been set into the stand. In other instances the said cap, to cover the stopper, has been provided with movable rings, forming a combination or dial-lock.

In these instances the stopper of the bottle has been a separate article, and has had to be removed from the bottle after the cap was taken off.

My improvement is made with reference to locking the stopper itself to place; and

My invention consists in a socket attached to the neck of the bottle and carrying movable notched rings, in combination with a stopper, to the bottle, upon which are projecting lugs to be held by the said rings.

In the drawing—

Figure 1 is a vertical section of the stopper and the socket upon the bottle.

Figure 2 is an elevation of the stopper detached.

Figure 3 is a plan of the locking rings.

The socket *a* is formed with a groove, receiving the neck *b* of the bottle or decanter, the parts being attached together by plaster of Paris, or other material.

The socket *a* has a rim or flange, 2, upon the circumference of which divisions and letters or num-

bers are placed, and above this rim 2 are the combination-rings *d* and *e*, also divided upon their peripheries in a similar manner, and each of these rings has an inward flange that is notched in one or more places, as shown at *s*, in fig. 3.

I have shown three notches, the retaining-ring *h* also similarly notched.

The ring *h* is held in place by the screws *l*.

The stopper *k* is made with a head, 3, a cylindrical portion, 4, that may be ground into the socket *a*, and a flange, 5, that sits over the ring *h*.

Upon the cylindrical portion of the stopper *k* are the lugs *i*, in the proper position for passing through the notches *s*; hence the stopper is secured by being turned after it has been entered, and by turning the rings *d* and *e*.

When the stopper is to be removed the parts are to be turned so that the notches *s* and lugs *i* are on line, and this is done by the letters or numbers on 2, *d* and *e* indicating the designated combination.

If desired, the glass neck of the bottle may extend up within the hollow stopper, as shown by dotted lines in fig. 1, to facilitate pouring out the liquid.

I claim as my invention—

The stopper *k*, formed with the cylinder 4, flange 5, and lugs *i*, in combination with the socket *a* fastened upon the bottle, and the combination-rings *d* and *e*, as and for the purposes specified.

Signed this 7th day of December 1869.

JAMES T. HOUGH.

Witnesses:

CHAS. H. SMITH,
GEO. T. PINCKNEY