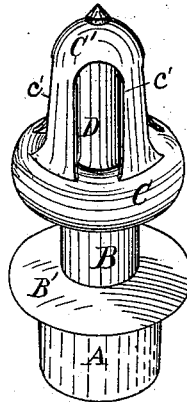


S. S. NEWTON.  
Bottle-Stopper.

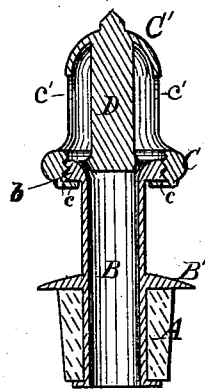
No. 221,091.

Patented Oct. 28, 1879.

*Fig. 1.*



*Fig. 2.*



*Witnesses:*

*N. N. Low.*

*L. H. Marshall*

*Inventor:*

*Stephen S. Newton*  
*by H. A. Doubleday atty*

# UNITED STATES PATENT OFFICE.

STEPHEN S. NEWTON, OF BINGHAMTON, NEW YORK.

## IMPROVEMENT IN BOTTLE-STOPPERS.

Specification forming part of Letters Patent No. **221,091**, dated October 28, 1879; application filed August 1, 1879.

### *To all whom it may concern:*

Be it known that I, STEPHEN S. NEWTON, of Binghamton, in the county of Broome and State of New York, 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 of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to bottle-stoppers which are especially adapted for use upon decanters or other bottles where a free and copious discharge of the contents of the bottle is required; and to this end it consists in combining with a discharging cork tube, provided at its upper end with an external screw-thread, a dome-shaped cap, screw-threaded internally at its lower end, and provided with a central plug attached to and depending from the inside of the upper end of the dome, the side walls of the dome being provided with openings for the discharge of the liquid, and with an inturning lip or flange, which clasps the tube below the screw-thread.

Figure 1 is a perspective view of my improved stopper, and Fig. 2 is a vertical central section of the same.

In the drawings, A represents an annulus of cork adapted to fit tightly within the neck of a bottle, and provided with a central opening, in which is secured the discharge cork tube, B. B' is a flange projecting from the discharge-tube and covering the upper end of the cork A, and also the upper end of the bottle-neck.

The discharging-tube is expanded at its upper end into a flange, *b*, which is screw-threaded externally, as shown plainly in Fig. 2. The upper end of the discharging-tube is made slightly flaring, by preference, to form a seat for a closing-valve, to be described.

The hood or dome is composed of a base or flange, C, screw-threaded internally to engage with the screw-threaded flange *b* on the dis-

charging-tube, and a tubular portion, C', rising from the flange and provided with discharge openings or ports *c'* in the sides, as plainly shown in Figs. 1 and 2.

*c* is an inwardly-projecting rim or lip attached to the lower edge of the flange C, fitting closely the outside of the discharging cork tube B, and engaging with the under side of the flange *b* at the upper end of the discharging-tube, when the parts are in the position indicated in Fig. 2.

D is the valve, consisting of a cylindrical plug attached to and depending from the under side of the upper end of the hood, the lower end of the plug corresponding in form to the valve-seat, which is formed upon the inner upper end of the discharging cork tube B.

By an examination of Fig. 2, it will be readily seen that, when the parts are in the position there shown, the contents of a bottle may pass up through the discharging-tube and out through the ports or openings in the sides of the hood; and when it is desired to close the discharging-tube the hood can be screwed down upon the flange *b*, so that the valve D will be closed.

It will be readily understood that the lip *c* limits the upward movement of the hood upon the discharging-tube, and thereby prevents said hood from being accidentally removed from the discharging-tube.

What I claim is—

In a bottle-stopper, the combination, with the discharging cork tube B, screw-threaded externally at its upper end, of the hood C C', provided with lateral ports *c'*, the valve D, and the inturning flange *c*, substantially as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

STEPHEN S. NEWTON.

Witnesses:

H. H. DOUBLEDAY,  
G. B. NEWTON, Jr.