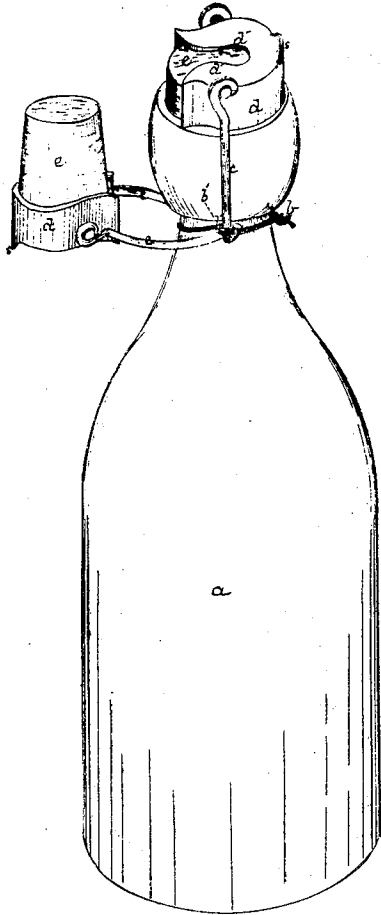


*C. L. Knecht,*

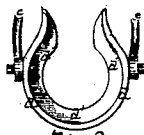
*Stopper Fastener.*

*No. 103624.*

*Patented May 31, 1870.*



*Fig. 1.*



*Fig. 2.*

*Witnesses:*

*R. Wrenshaw*

*Thos. M. ...*

*Inventor:*  
*Charles L. Knecht,*  
*by Batewell & Christy,*  
*his Attys.*

# United States Patent Office.

CHARLES L. KNECHT, OF LOWER ST. CLAIR TOWNSHIP, PENNSYLVANIA.

Letters Patent No. 103,624, dated May 31, 1870.

## IMPROVEMENT IN CORK-SAVING BOTTLE-FASTENING.

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, CHARLES L. KNECHT, of Lower St. Clair Township, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Cork-saving Fastening; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 shows in perspective my improved cork-saving fastener, when holding the cork in the bottle, also, the position of the parts when the cork is drawn, and

Figure 2 is a view of the under or inner side of the cap.

Like letters of reference indicate like parts in each.

My invention consists in the construction of a cork-securer, whereby the cork is not only secured tightly in bottles containing expansive liquids or liquids charged with expansive gases, but may be removed without being forced out by the liquid and lost, (as has heretofore been the case,) and so saved for future use.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and mode of operation.

In the drawing—

*a* represents the bottle, and

*b*, a collar around the neck of the bottle, made with eyes *b'* in two opposite sides, which engage two swinging arms *c*.

At the outer ends of the arms *c*, and swinging between them, is a horse-shoe shaped holder or cap *d*, made of angle iron, and having a flange *d'* extending inward from its upper edge, so that when it is in position, it will extend around and over the edge of the cork *e*.

This cap *d* is loosely riveted to the arms *c*, so as to allow it to swing freely between them.

The flange *d'* extends inward over the top of the cork *e* only far enough to hold it in place, thus leaving the center of the surface of the cork bare or exposed. This is for the purpose of leaving a bearing-surface for the press when the cork is forced into the bottle.

In making use of my improvement, the cork *e* is forced in in the usual manner, and the cap *d* swung up and pushed over the top of the cork. Then, in taking out the cork, the thumb is pressed against the raised side *s* of the cap *d*, until it is forced across the mouth of the bottle and over the other side, carrying the cork with it.

The cork cannot escape from the cap, for the greater the pressure upon it from the inside of the bottle, the more firmly it is held in the cap *d*, and so when the cap is pushed over from the mouth of the bottle, it draws the cork and holds it, as shown by dotted lines. In this manner the cork *e* is prevented from flying out, and thus being lost.

My improvement is cheap in construction, convenient for use, and accomplishes great saving in corks.

What I claim as my invention, and desire to secure by Letters Patent, is—

A cork-fastening and saving device, consisting of a horseshoe-shaped holder *d*, having an inwardly-projecting flange *d'*, operating between arms *c*, by which it is connected with a collar or ring on the neck of the bottle, substantially as described.

In testimony whereof, I, the said CHARLES L. KNECHT, have hereunto set my hand.

C. L. KNECHT.

Witnesses:

JOHN GLENN,  
R. C. WRENSHALL.