

W. H. Gibbs,

Bottle Stopper.

No. 105797.

Patented July 26, 1870.

FIG. 1.

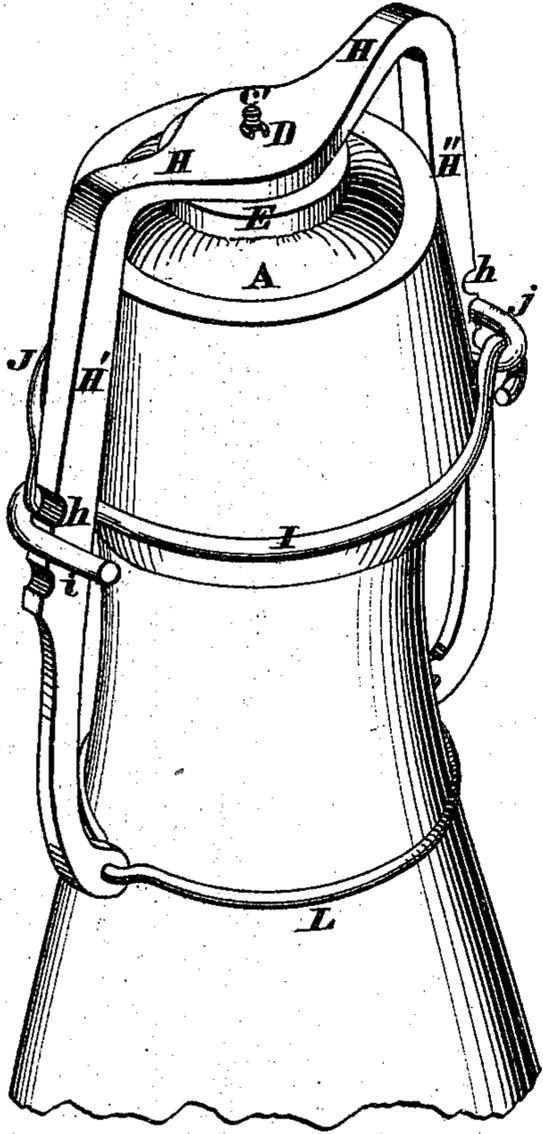


FIG. 2.

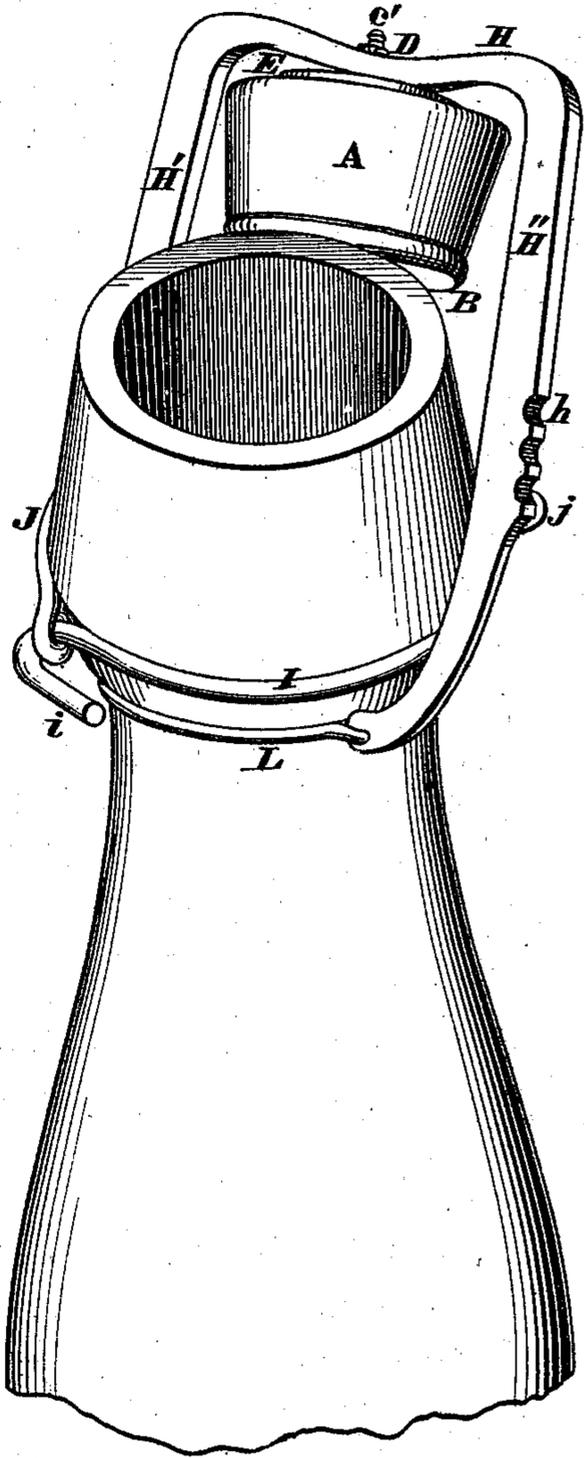
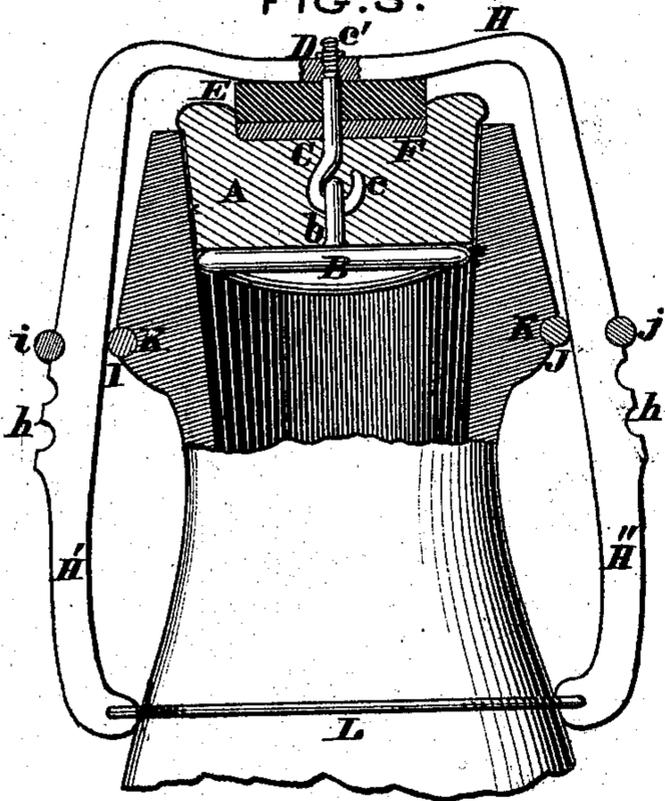


FIG. 3.



W. H. Gibbs
INVENTOR.
By his Attorneys
Knight & Brod.

ATTEST

Wm. F. Bauer.

United States Patent Office.

WILLIAM H. GIBBS, OF CINCINNATI, OHIO.

Letters Patent No. 105,797, dated July 26, 1870.

IMPROVEMENT IN BOTTLE-STOPPERS.

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

I, WILLIAM H. GIBBS, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Improvement in Bottle-Stoppers, of which the following is a specification.

Nature and Objects of my Invention.

This is an improvement in the class of stoppers which are secured within or released from the necks of bottles by a clamp attached thereto; and

My invention consists, as to its first part, in the provision, in connection with a common cork, of a headed rod or button of vitreous exterior, which both serves to protect the bottom of the cork and affords a secure attachment for the clamp or other retaining device.

The second part of my invention relates to a construction of the clamp itself, adapted to retain the stopper securely in position, or to permit of its ready removal from the mouth of the bottle without being detached therefrom so as to be lost.

In the accompanying drawing—

Figure 1 is a perspective view, exhibiting both of my improvements, the stopper being shown in position in the bottle;

Figure 2 is a perspective view, showing the stopper withdrawn from the neck of the bottle; and

Figure 3 is a section through the stopper and neck of the bottle, with the retaining device shown in elevation.

A represents the cork, which is of the customary form, and which is protected on its under side by some material that will not injure the flavor of any liquid with which the bottle may be filled; and said material is represented in the illustration as being composed of an ordinary porcelain button, B, whose eye or staple *b* has attached to it the hooked end *c* of a rod or stem C, whose upper end is screw-threaded at *c'*.

The cork A is confined between the button B and a metallic disk, E, an India-rubber washer, F, being interposed between the said cork and disk.

The yoke to which the stopper is attached consists of a cross-bar, H, having two downwardly-projecting arms, H' H", whose lower extremities are united by a wire, L, that surrounds the neck of the bottle.

These arms have each a series of notches, *h*, that

are adapted to engage with the projecting and recurved ends *i j* of two wires, I J, which are secured together and retained within the customary circumferential groove K of the neck of the bottle.

After the stopper has been forced down into the neck of the bottle, the arms H' H" are rotated around said neck until the projecting ends *i j* of the wires I J are caused to engage with the notches *h*, thereby securing the stopper from accidental displacement; but, whenever it is desired, the stopper can be instantly removed in the following manner:

The arms H' H" of the yoke are rotated in such a way as to cause the notches *h* to become disengaged from the projections *i j*, when the stopper can be withdrawn and thrown over to one side of the neck, as shown in fig. 2, the wire D preventing the yoke and its accompanying stopper being disengaged from the bottle.

After the cork A has become so worn as to become useless, the wire D may be unwound from the screw-threaded portion *c'* of the stem C, the old cork removed and a new one substituted for it, which will be the work only of a few minutes.

Instead of employing an ordinary glass or porcelain button, the bottom of the cork may be protected by an iron or other metallic disk, whose exterior should be covered with some suitable vitreous enamel, and the disk could have a stem cast with it, so as to dispense with the hook-and-eye fastening.

Claims.

I claim herein as new and of my invention—

1. A bottle-stopper, whose cork A is protected on its under side with an attaching button or disk, B, that is coated with a vitreous enamel, as and for the purpose specified.

2. The retaining device, consisting of the yoke H H' H" *h*, connected wires I J, recurved projection *i j*, and wire L, for the purpose set forth.

In testimony of which invention I hereunto set my hand.

W. H. GIBBS.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.