J. T. Cree,

Bottle Stopper.

No. 106,557. Patented Aug. 23. 1870.

Fig. 3.

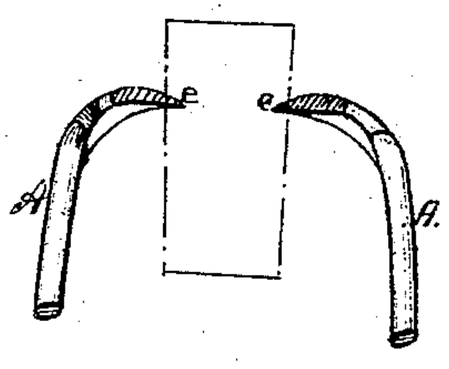


Fig. 1.

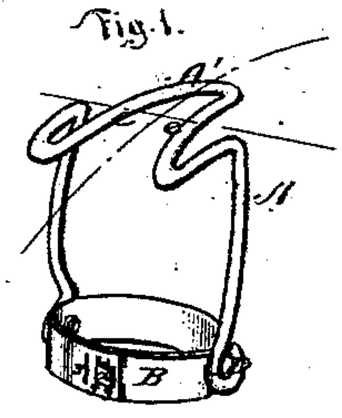
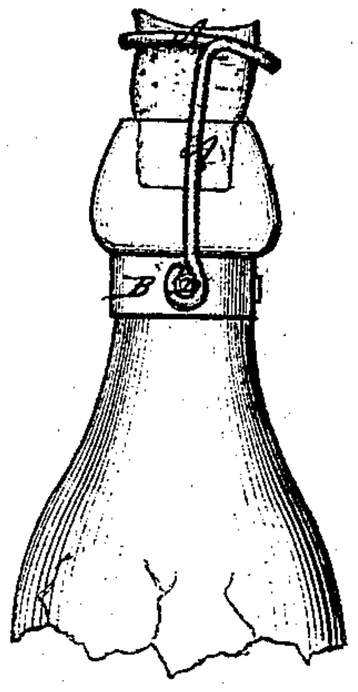


Fig. 4

Fig. 2.



Witnesses.
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JAMES THOMPSON CREE, OF WORCESTER, MASSACHUSETTS.

Letters Patent No. 106,557, *dated August* 23, 1870.

IMPROVEMENT IN BOTTLE-STOPPERS.

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 THOMPSON CREE, of the city and county of Worcester, and State of Massachusetts, have invented a new and useful Improvement in "Bottle-Stoppers," for the purpose of driving corks within the neck of the bottle; and I do hereby declare the following is a full and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, in which—

Figure 1 is a perspective view of the "stopper," and

Figure 2 is a side elevation, showing the connection of the bottle and cork with the stopper.

Figure 3 shows a sectional view of the curved and beveled knife-edge, when brought in contact with the cork of the bottle.

Figure 4 is an enlarged sectional view of the same, showing the curvature and beveled knife-edge of the bottle-stopper or cork-holder.

The nature of my invention consists in the construction of a bottle-stopper or cork-holder, the top of which is curved, and of what is termed a "U"-shape, the inner edges of which, having formed upon them beveled knife-edges, to cut into the cork and retain it in its proper position.

Fig. 1 shows the device unattached to a bottle.

A represents a piece of metal wire bent in the form shown, the top portion of which (A′) being constructed in the form of the letter U, the inner edges of which, at *e e*, are beveled knife-edges, surrounding the whole of the inner side of A′. This portion or part of the device is curved, and embraces the sides of the cork, when driven or partly driven into the bottle, cutting into the same sharp incisions, and of a shape conforming to the curve of the part A.

This stopper or cork-fastener, by reason of the prolongation of its arms A, may be attached, by rivets or otherwise, to a band, D, surrounding the neck of the bottle, and moved or pressed backward or forward, as may be desired, in order to cork or uncork the bottle.

Fig. 2 represents this device as applied to a bottle and its cork.

It may be observed that corks used for bottling purposes may differ in length, and it is also desirable to use such corks more than once, as they are expensive

By many or most of what are termed "bottle-stoppers," the object seems to have been to so construct the cork-holders as to allow them to cover only the top of the corks. It is apparent that the corks must in that event be driven "home," into the neck of the bottle, before the stoppers can be forced over and upon them. By this means the force of the gases contained within the bottle has a tendency to force the corks upward and spread apart the device that secures them, thus allowing the escape of gas.

By my invention this result is avoided. The curved shape of the part A′ and its cutting or knife-edges *e e*, fitting into the cork of the bottle, furnishes a uniform resisting surface to the gas contained within the bottle.

By this invention the corks are longer preserved for use, as may be illustrated in fig. 2. The cork, when driven partially into the bottle, will be embraced by the part A′ of the stopper, and, when used a second time, if driven further into the neck of the bottle, it can be secured in the same manner, until, by a repeated use of the cork, the curved part A′ is brought in contact with it, near the top of the same.

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

The bottle-stopper or cork-holder, with its curved top A′, and beveled knife-edges *e e e* formed upon the same, in the manner and for the purpose herein described.

JAMES THOMPSON CREE.

Witnesses:
B. F. JAMES,
J. H. ADAMS.