

W. H. Newton,

Cork.

No. 112,070.

Patented Feb. 21, 1871.

FIG. 1.

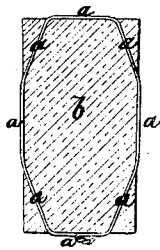


FIG. 2.

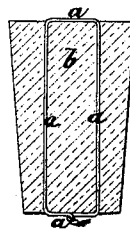


FIG. 3.

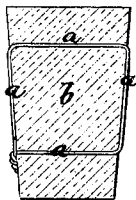
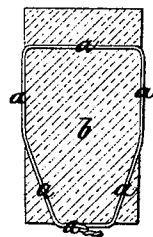


FIG. 4.



Wm Harrison Newton
by atty A. Pollok.

WITNESSES.

L. Bailey
C. B. Nottingham

United States Patent Office.

WILLIAM HARRISON NEWTON, OF NEWPORT, RHODE ISLAND, ASSIGNOR
TO HIMSELF AND SAMUEL W. FRANCIS, OF SAME PLACE.

Letters Patent No. 112,070, dated February 21, 1871.

IMPROVEMENT IN BOTTLE-CORKS.

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

To whom it may concern:

Be it known that I, WILLIAM HARRISON NEWTON, of Newport, in the county of Newport and State of Rhode Island, have invented certain new and useful Improvements in Corks for Stopping Bottles and other vessels, of which the following is a specification.

My invention relates to corks employed for stopping bottles or vessels of any kind, and its object is to prevent the breakage of such corks, an accident which often takes place when an attempt is made to draw them.

This is especially noticeable in bottles containing ale, porter, claret, or other beverages or liquids, and is frequently the occasion of much annoyance and trouble, one part of the cork remaining in the neck of the bottle while the other is broken away from it and pulled out.

The breaking of the cork takes place when a cork-screw is used, or when an attempt is made to extract the cork by hand or otherwise, and is due sometimes to the fact that the cork-screw is only partially inserted in the cork, and at other times to the imperfection and weakness of the cork itself, which has so little strength and coherence that the part taken hold of by the hand, or cork-screw, or other appliance for the purpose of drawing it, will be torn from that part which is wedged or compressed within the neck of the bottle or vessel.

To remedy this difficulty I bind the body of the cork, by means of a wire or cord passing through and through or around the same, in such manner as to prevent any portion of the cork from being drawn separately from the other portion, whereby, even if the cork-screw be inserted only partially through the cork, the whole cork will be drawn or pulled out, and all liability to breakage will be prevented. In other words, I produce a cork adapted to be drawn by the hand, a cork-screw, or other mechanical appliances, bound or sewn with wire or cord in such manner that the body of the cork cannot be broken or separated in the act of pulling or extracting it from the bottle.

In the accompanying drawing I have illustrated the manner in which my invention is or may be carried into effect.

In Figure 1 the wire or other binding-cord, *a*, is

passed through the body of and around the cork *b*, so as to appear on both the ends and the sides of the cork.

In Figure 2 the wire or cord passes through from top to bottom, binding together the two ends of the cork.

In Figure 3 the binding-wire passes laterally through, but does not quite extend to either the top or bottom of the cork.

In Figure 4 the wire or cord passes laterally through the cork, and then, after being carried down a short distance upon the outside of the cork, its ends pass diagonally down through the cork and are united under the bottom or lower end of the same.

These examples are sufficient to illustrate the nature of my invention; but it is manifest that the manner of binding or sewing the cork may be greatly varied, and that the binding-cord or wire may follow any suitable path through or around the body of the cork.

The binding-cord may be of any suitable material; but I prefer a copper or other metal wire of a small gauge, which may be manipulated and drawn through the cork almost as readily as sewing-thread.

With a cork sewn or bound as above described a cork-screw may be used as readily as with ordinary corks; and there is also the additional advantage that the wire or cord may be so arranged as to engage with the cork-screw, so as to prevent the latter from pulling out of the cork, an accident which sometimes occurs.

My invention is, of course, applicable to corks for champagne-bottles, or to other vessels or receptacles of whatever kind, which are closed by corks or stopples.

Having now described my invention, and the manner in which the same is or may be carried into effect,

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

As a new article of manufacture, a cork or stopper for bottles and like articles, interlaced or sewn with wire or cord in such manner that one portion of the cork cannot be drawn from the bottle without the other, substantially as herein shown and described.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

Witnesses: WM. HARRISON NEWTON.

GEO. E. WARING, Jr.,

GEORGE ENGS.