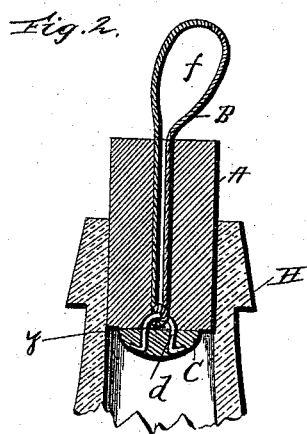
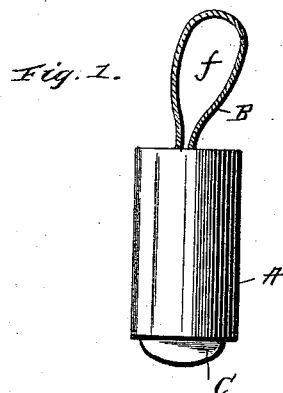


(No Model.)

G. F. ATWOOD.  
BOTTLE STOPPER.

No. 490,405.

Patented Jan. 24, 1893.



Witnesses:

*C. J. Pender.*

*James J. Sheehy*

*Inventor*

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# UNITED STATES PATENT OFFICE.

GEORGE FRENCH ATWOOD, OF MALDEN, MASSACHUSETTS, ASSIGNOR, BY  
DIRECT AND MESNE ASSIGNMENTS, TO GEORGE M. FRENCH, OF SAME  
PLACE.

## BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 490,405, dated January 24, 1893.

Application filed September 4, 1891. Renewed June 30, 1892. Serial No. 438,636. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE FRENCH ATWOOD, a citizen of the United States, residing at Malden, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Bottle-Stoppers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to bottle stoppers, and it consists in the novel construction, and improvements hereinafter specified, whereby a stopper of cork or other suitable material may be readily drawn and preserved without injury for future uses.

Figure 1, of the drawings represents an external side view of my bottle stopper, and Fig. 2, represents a sectional view thereof placed in the neck of a bottle.

In the drawings A, represents a bottle stopper of the usual external form which is made of any suitable material but preferably of cork wood. Vertically through this stopper I form one opening or more, adapted to receive and hold securely the lifting cord or wire, which is marked B, on the drawings.

The letter C, of the drawings represents a button preferably of wood but which may also be formed of any substance or composition that will by contact work no injury to the contents of a bottle and be substantially not liable to oxidization or corrosion. In this button is inserted an eye marked *d*, to which the lifting cord or wire is attached. To provide for receiving said eye or shank within the stopper and away from the contents of the bottle, I form a recess in the bottom of the stopper of the shape and size necessary for that purpose, and which when the stopper is completed will hold such eye or shank securely. This recess is shown in Fig. 2, of the drawings with the eye therein and is marked *y*. It will be observed that the lifting cord or wire has a loop above the top of the stopper as shown at *f*.

This loop is usually formed by making the lifting cord of a single piece of string or wire and attaching its free ends to the button as shown on the drawings in Fig. 2.

A bottle stopper formed in the manner described is ready for use, care being taken that in all cases the upper surface of the button C, is of less diameter than the bottom of the stopper, and its upper surface which is preferably flat fits closely against such bottom.

In Fig. 2, of the drawings my stopper is represented when on duty in a bottle, the neck of which is shown at H. To draw this stopper no cork-screw is required.

The operator is only required to pass a common lead pencil or other suitable bar through the loop and lift the stopper upward. The stopper is thus removed without being injured and may be used again indefinitely.

It is obvious that the shape of my button C, may be varied from that herein described, without departing from the nature and scope of my invention. As for example it may be formed in a ball, conical, or elliptic shape, and will serve the same purposes as in the form I have represented. It is obvious also that other methods than those I have described may be employed for attaching the lifting cord to the button, and I do not therefore desire to limit myself to the precise methods I have set forth.

Having described my invention what I claim and desire to secure by Letters Patent is:

A bottle stopper of cork or other suitable material having a recess *y*, formed in its bottom and provided with the button C, eye *d*, and lifting cord or wire B, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE FRENCH ATWOOD.

Witnesses:

JAMES J. SHEEHY,  
HOLMES E. OFFLEY.