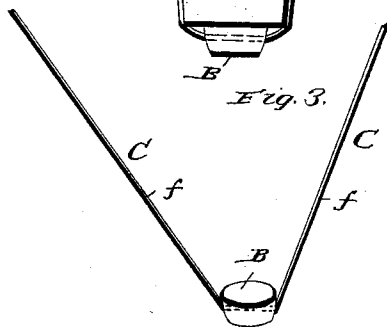
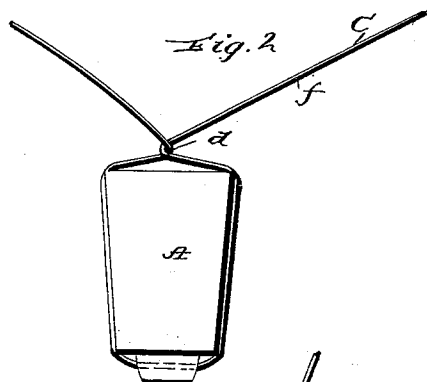
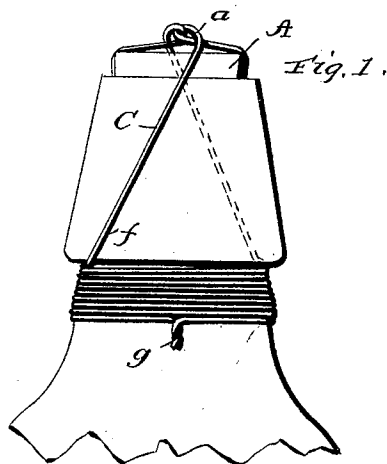


(No Model.)

G. F. ATWOOD.
BOTTLE STOPPER.

No. 500,182.

Patented June 27, 1893.



Witnesses:

C. Raeder
T. E. Turpin

Inventor

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Attorney

UNITED STATES PATENT OFFICE.

GEORGE FRENCH ATWOOD, OF MALDEN, MASSACHUSETTS.

BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 500,182, dated June 27, 1893.

Application filed September 29, 1892. Serial No. 447,215. (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 Fastenings for 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 that class of bottle stoppers in which arrangements are made for preserving the stoppers for future use, and it consists in providing such stoppers with a fastening of wire that is passed upward from the bottom of the stopper, one strand on each side thereof, and on the outer sides, and then after a twist at the top, is passed downward on the outside and secured by a series of coils or wraps to a bottle neck under the shoulder thereof.

In the drawings accompanying this application: Figure 1, represents my bottle stopper on duty in a bottle and my method of securing the same to the neck of such bottle. Fig. 2, represents a stopper with the fastening wire ready for use in a bottle and with its free ends adapted for bending down and encircling the neck, and: Fig. 3, shows the wire attached to a lifting button.

My bottle stopper proper is preferably made of cork and is marked A, on the drawings.

The letter B, indicates a button, preferably of wood, and is arranged immediately below and against the bottom of the cork where it is held in place by a fastening wire that passes through said button as represented on the drawings in Figs. 2, and 3.

The letter C, represents my fastening wire. This is preferably made of spring or malleable metal of convenient size for bending and

of sufficient strength for lifting the cork from the bottle. I first pass this wire through the button B, and pass it upward on the outside of the cork, as shown, one strand on each side thereof. After reaching the top of the cork, I bend said wire inward from each side until the strands meet, and then twist them around each other in the manner shown in Fig. 2, at *d*. One twist is usually sufficient. When this is done the stopper is ready for use.

To apply the stopper for use, I pass it into the neck of the bottle in the usual manner which will force the wire on each side into the cork. I then take the free ends of the wire marked *f*, and pass them downward, one on each side of the bottle neck, and wind them around such neck below its shoulder and fasten them together in the manner shown on Fig. 1, at *g*. By this method of construction and application, the cork or stopper is securely wired to the neck of a bottle.

To remove the stopper, I unfasten the wire from around the neck of the bottle and then lift the stopper upward by any suitable means.

Having described my invention, what I claim is—

A fastening for bottle stoppers consisting of a wire, the center of which is passed through a button B, below the stopper, from whence each strand is passed upward on the outside of the stopper as shown, and after being twisted together on the stopper's top, is passed down on the outside of the bottle neck, and made secure by winding around said neck directly under the shoulder thereof, substantially as specified.

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

GEORGE FRENCH ATWOOD.

Witnesses:

A. E. ALVORD,
J. E. DEARBORN.