

(No Model.)

J. A. HERBERT.
STOPPER PULLER.

No. 580,524.

Patented Apr. 13, 1897.

Fig. 1.

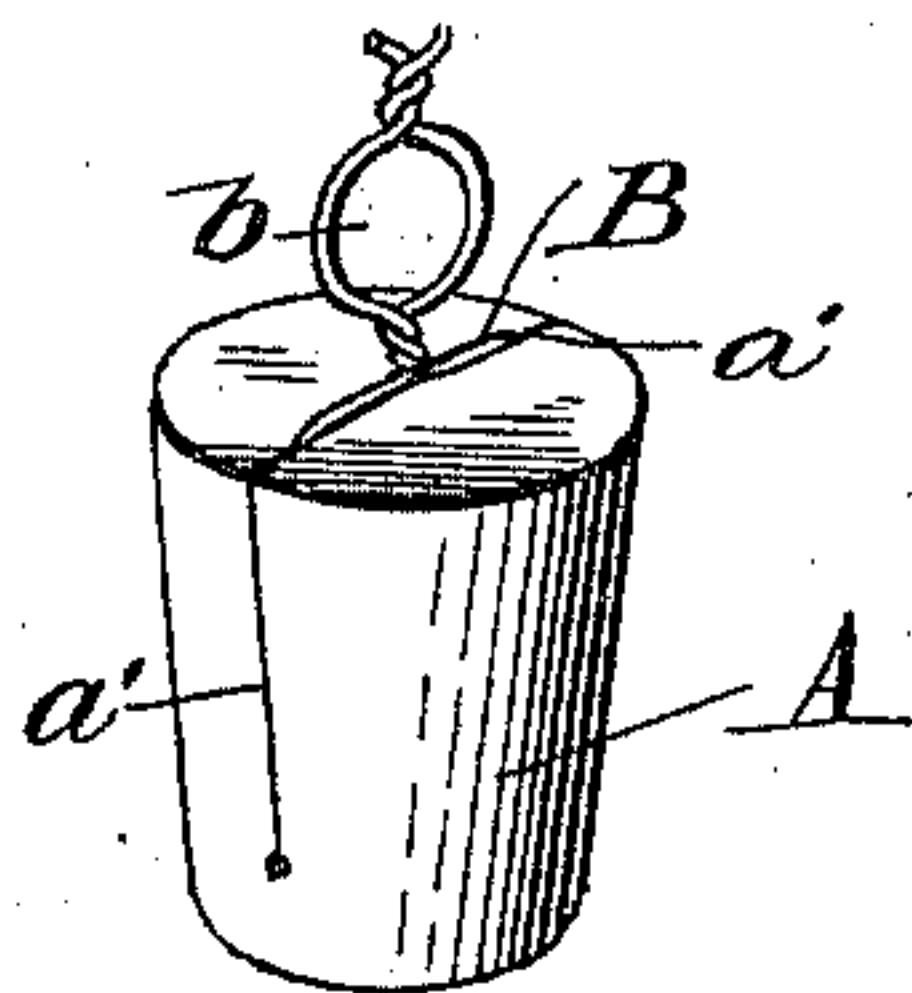


Fig. 2.

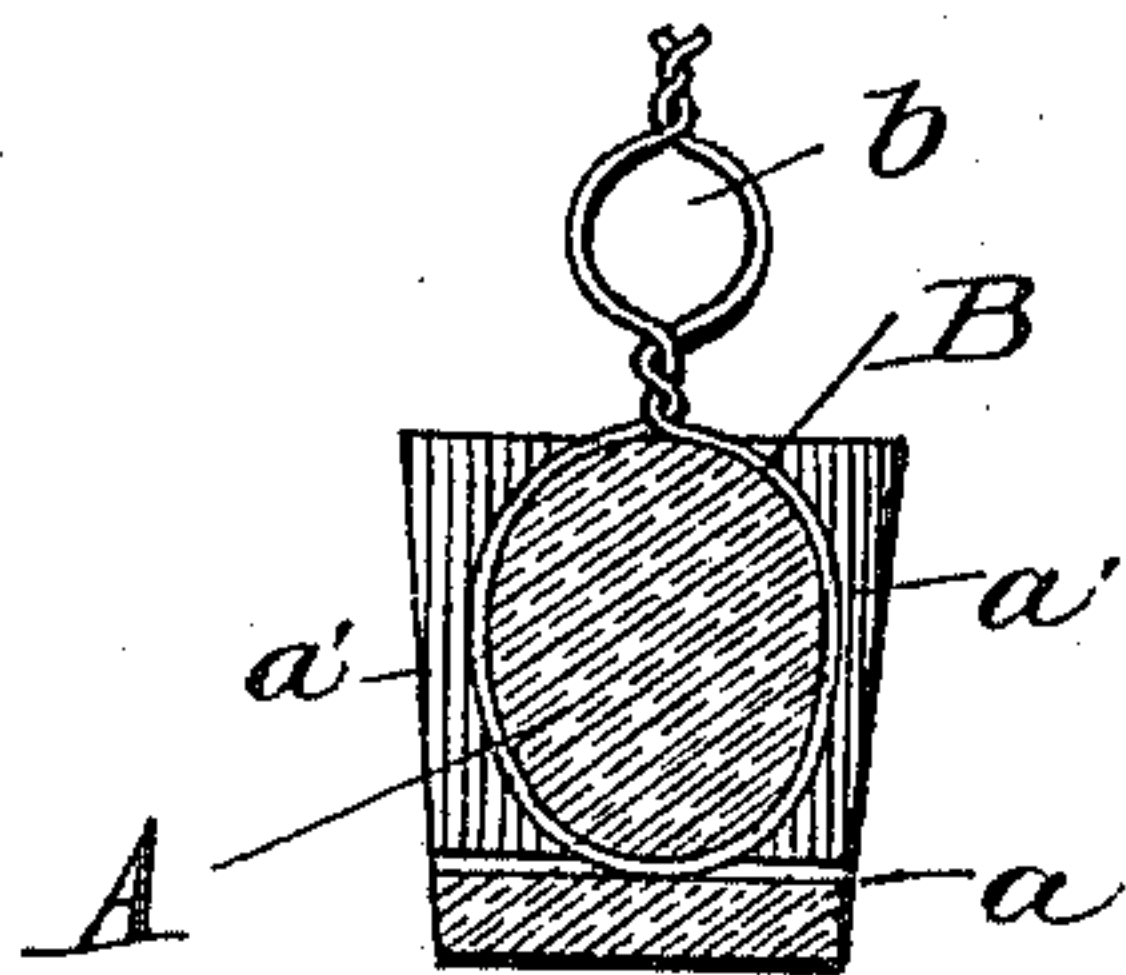
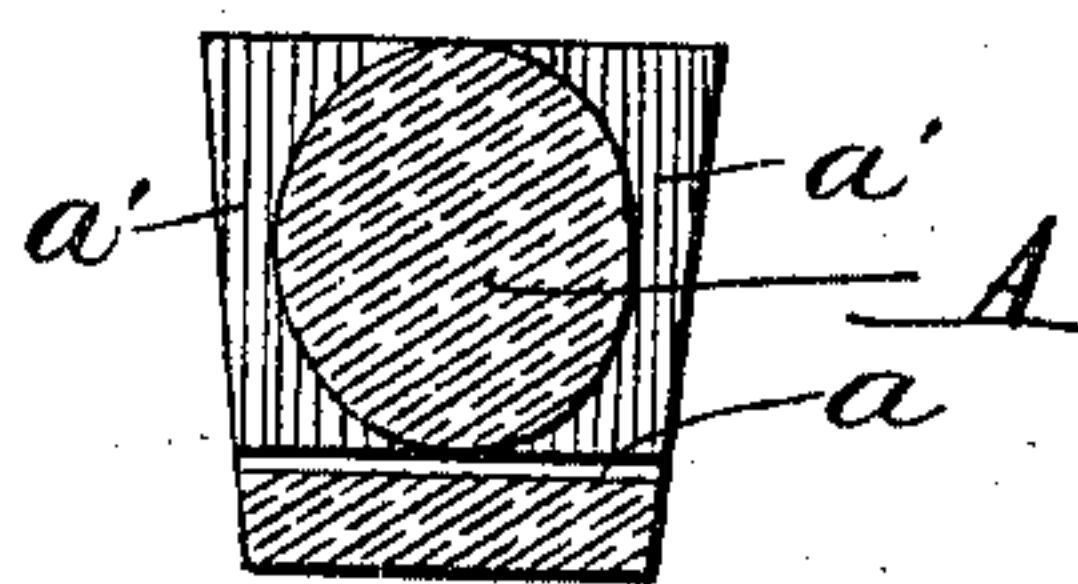


Fig. 3.



Witnesses:

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JOHN A. HERBERT, OF BRIDGEPORT, OHIO.

STOPPER-PULLER.

SPECIFICATION forming part of Letters Patent No. 580,524, dated April 13, 1897.

Application filed May 15, 1896. Serial No. 591,598. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. HERBERT, a citizen of the United States, residing at Bridgeport, in the county of Belmont, State of Ohio, have invented certain new and useful Improvements in Stopper-Pullers; and I do hereby 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.

My invention relates to an improvement in stopper-pulling devices, as well as means for securing the stopper in position when desired.

The invention will first be described in connection with the accompanying drawings and then particularly pointed out in the claim.

In the drawings, Figure 1 is a perspective view of a cork provided with my improved pulling device. Fig. 2 is a sectional view of the cork, showing the pulling device in elevation. Fig. 3 is a sectional view of the cork with wire removed.

Referring to the drawings, A is a cork, which is first provided with a transverse opening or puncture *a*, passing diametrically through the cork a short distance above its bottom. From each end of the said puncture *a* a slit is made, each slit extending upward in the side of the cork, one of said slits being shown at *a'*, the said slits being on opposite sides of the cork. A wire, string, or similar flexible strand, preferably a wire B, is passed through the aperture *a* and has its ends then brought up each side of the cork, said ends of the strand lying in the slits *a'* and at the top turning over the edges of the cork to the center, where they meet and are twisted or tied together, being drawn tight, so that the portions lying in the slits will sink into the slits far enough to be out of sight, the cork readily closing, so as to render the slits nearly if not quite invisible. Furthermore, the body

portion of the cork surrounded by the wire is substantially round, as shown, whereby the puller has an even purchase on the cork when force is required to extract the same. The free ends of the strand may be formed into a loop, as shown at *b*, Fig. 1, or, if desired, may be left long enough to be brought down and secured around the neck of the bottle, thereby serving to hold the cork firmly in place.

In the construction shown in Fig. 1 the loop *b* is employed for withdrawing the cork.

It will be seen that under my construction the slits *a'* in the sides of the cork do not extend entirely to the bottom of the cork, and hence there is no danger of leakage through the slits. Furthermore, the ordinary pressure of the cork against the sides of the bottle tends to close the said slits tightly against the wires.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a stopper-puller, the combination, with a stopper having an aperture through it a short distance above its bottom and a slit in each side connecting with said aperture at a point inside its extreme end and forming a solid core, of a strand of wire passing through the aperture and along the bottom of the slits and entirely embedded therein, the free ends projecting above the top of the stopper and being twisted together on a line with the top of said stopper and at the outer free ends of said wire, whereby a finger-loop is formed, substantially as and for the purpose described.

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

JOHN A. HERBERT.

Witnesses:

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