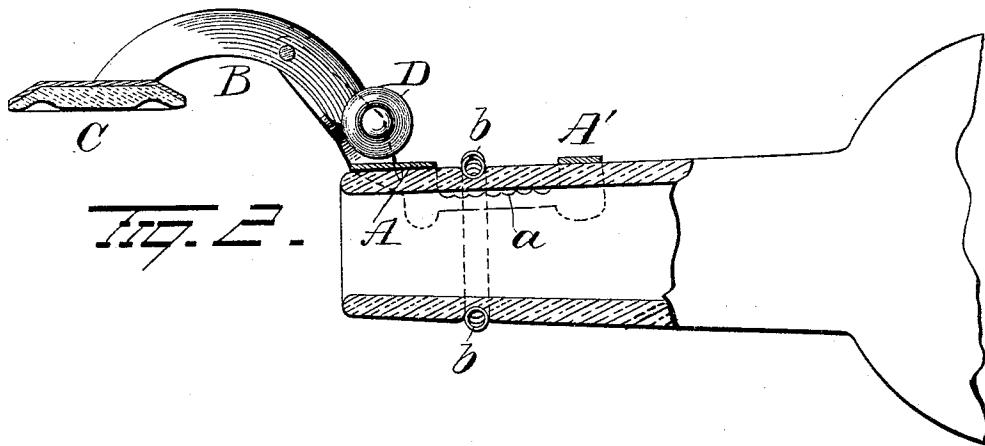
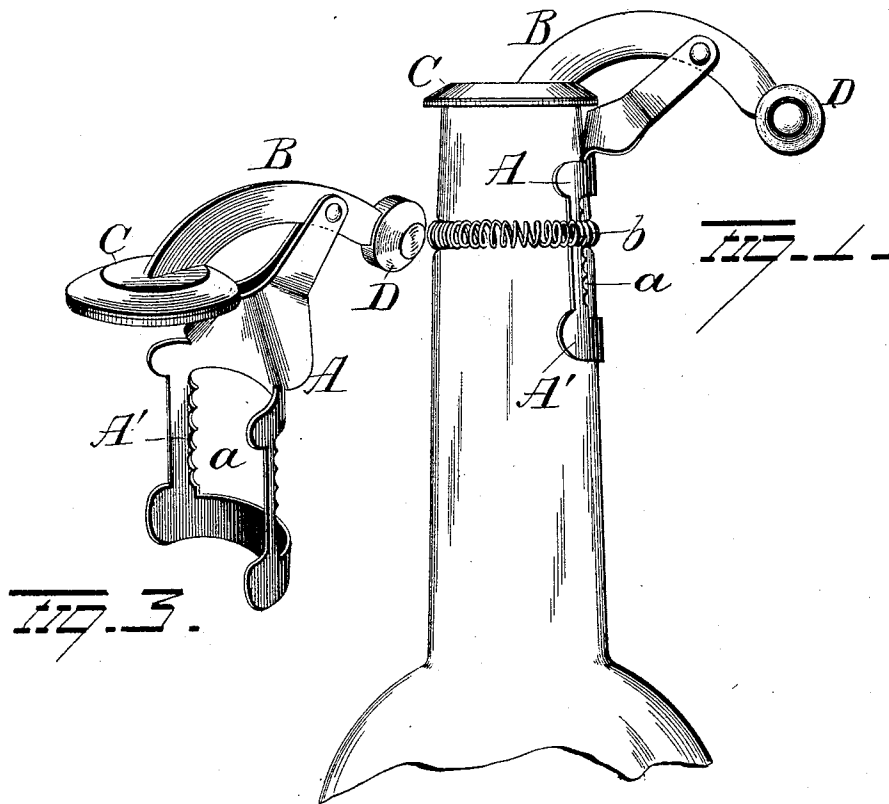


(No Model.)

C. WEINEDEL.
AUTOMATIC BOTTLE STOPPER AND COVER.

No. 481,644.

Patented Aug. 30, 1892.



Witnesses
C. A. Atterhough
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UNITED STATES PATENT OFFICE.

CHARLES WEINEDEL, OF LOUISVILLE, KENTUCKY, ASSIGNOR OF ONE-HALF
TO F. A. INDER STROTH, OF SAME PLACE.

AUTOMATIC BOTTLE STOPPER AND COVER.

SPECIFICATION forming part of Letters Patent No. 481,644, dated August 30, 1892.

Application filed March 21, 1892. Serial No. 425,780. (No model.)

To all whom it may concern:

Be it known that I, CHARLES WEINEDEL, of Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Automatic Bottle Stoppers and Covers, 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 automatic bottle stoppers or covers, the object being to provide a simple and inexpensive device which can be quickly adjusted to any-sized bottle, and when in position will prevent the entrance of dust, insects, and other foreign matter into the bottle.

A further object is to provide a device which will open automatically to permit the contents of a bottle to flow out, and when the latter is turned to a vertical position will close and seal it.

With these ends in view my invention consists in certain novel features of construction and combinations of parts as will be hereinafter be more fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view of my invention attached to a bottle, which latter is in its normal or upright position. Fig. 2 represents the same attached to a bottle horizontally inclined or in the position for pouring, and Fig. 3 is a view of the device detached.

A represents a bracket, the body A' of which is bent to conform to the shape of the neck of a bottle or other vessel. This bracket extends above the neck of the bottle and the upper portion thereof is bifurcated, and the arms thus formed are bent backward and upwardly toward each other, forming a support to which the lever or arm carrying the stopper is attached. The bracket A is also provided with an oblong opening α , the side edges of which are provided with a series of teeth, which later engage the fastening device placed around the neck of the bottle and prevents any vertical or horizontal movement of the bracket.

At a point near and between the ends of the bent portion of the bracket A is pivotally secured a lever or arm B, one end of which is

provided with a stopper or cover C for sealing the mouth of a bottle, while the other or opposite end is provided with a weight D. The stopper or cover C has its edges bent slightly downwardly and is interiorly lined with cork or other suitable material, said lining conforming to the shape of the cover, and when said stopper or cover is in position on the mouth of a bottle or other vessel seals it and prevents the entrance of dust and insects. The lever or arm B is so pivoted that the stopper C and the weight D are evenly balanced, and hence when the bottle is tipped the weight maintains the stopper in its horizontal position. By bending the bifurcated ends of the bracket in the manner described and shown an abutment and recess are formed into which the weight D enters when the bottle is in use.

In attaching my improvement to an ordinary bottle the coil-spring or rubber band b is placed on the neck of the bottle, and the concaved portion of the bracket A is brought in contact with the neck of the bottle and adjusted until the cover or stopper C rests against and covers the mouth of the bottle. The coil-spring or rubber band b is then passed around the bracket, thereby holding the same tightly against the neck of the bottle, and thus prevents any undue lateral or vertical movement of the device.

With the devices now in use in saloons and other places, where one or more bottles are continuously in use, it is necessary before the contents of a bottle can be poured out to first remove the cork or cast the stopper or cover aside with the hand; but with my device the stopper or cover is automatically moved during the act of tilting the bottle, and thus the time and trouble necessary in removing corks, &c., is obviated.

It is evident that numerous slight changes in the constructive details of my invention might be resorted to without departing from the spirit and scope of my invention. Hence I would have it understood that I do not wish to confine myself to the exact form and construction shown, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

Having fully described my invention, what

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

1. The combination, with a plate bent to conform substantially to the shape of a bottle-neck, said plate provided with notches, and a band adapted to surround a bottle-neck and rest in notches of the plate for retaining the plate in position, of an arm pivotally supported at the upper end of the plate and provided at the inner end with a cap for closing the bottle-mouth, the outer end of the arm adapted to act as a counter-balance for the cap and opposite end of the arm, substantially as set forth.
2. The combination, with a plate bent to conform to the general shape of a bottle-neck and having a central slot the edges of which are notched, and a band adapted to surround the bottle-neck and rest in notches of the plate, of an arm pivoted on the plate and provided

at one end with a cap and at the other with a weight, substantially as set forth.

3. The combination, with a bracket bent in the form shown and provided with a series of teeth, of a curved arm pivotally connected to said bracket, a cover or stopper lined with cork and attached to one end of said arm and a weight connected to its opposite end, and a coil-spring or rubber band which engages the teeth in the bracket and holds the parts against displacement on the bottle, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

CHARLES WEINEDEL.

Witnesses:

JULIUS MANNER,
CLARENCE F. MILLER.