(No Model.)

W. A. COGHLAN.

BOTTLE STOPPER.

No. 589,698. Patented Sept. 7, 1897.

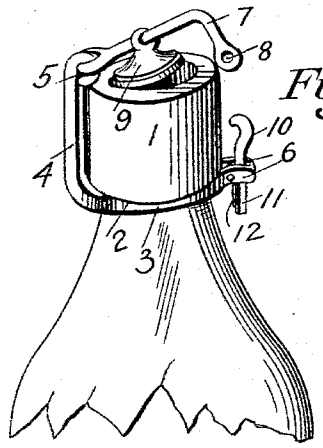


Fig. 1

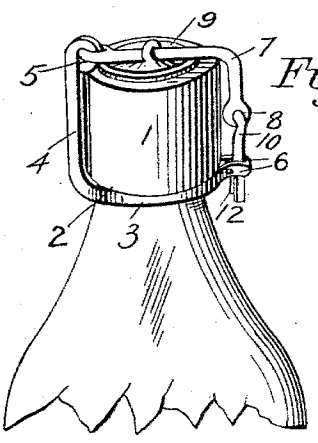


Fig. 2.

Fig. 3.

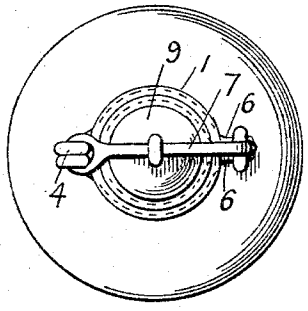


Fig. 4.

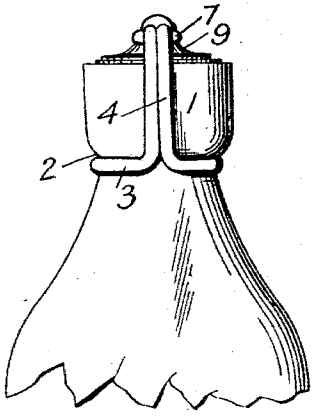
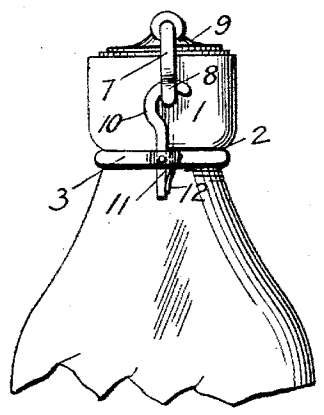


Fig. 5.



Witnesses:
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM ALLISOYIOUS COGHLAN, OF SANTA ROSA, CALIFORNIA.

BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 589,698, dated September 7, 1897.

Application filed May 11, 1897. Serial No. 635,992. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM ALLISOYIOUS COGHLAN, a citizen of the United States, residing at Santa Rosa, in the county of Sonoma and State of California, 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.

The invention relates to a bottle-stopper; and the object is to provide a stopper which shall be simple of construction, durable in use, and which may be easily and quickly removed from and closed upon the bottle.

With these objects in view the invention consists of certain features of construction and combination of parts, which will be hereinafter fully set forth and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a bottle, showing the stopper in the act of being clamped in the neck of a bottle. Fig. 2 is a similar view showing the stopper locked in position. Fig. 3 is a top plan view. Fig. 4 is a rear view, and Fig. 5 is a front view.

In said drawings, 1 denotes the neck of a bottle, which is provided with the usual annular shoulder or collar 2, and 3 denotes a stiff wire or rod, which is bent around the neck of the bottle below the shoulder and thence projects upwardly to form the posts 4, which are provided with eyes 5. The free ends of the rod or wire are preferably flattened to form parallel ears 6, which are firmly riveted together.

7 denotes an angular bail, one end of which is provided with an eye which is connected to the eye of the posts, and the downwardly-extending end of which is also provided with an eye 8. Hung upon this bail is the usual stopper 9.

10 denotes a hook provided with a flattened portion 11, embraced by the parallel ears 6 and pivoted thereto, and 12 denotes a spring also secured between the parallel ears and having its free end engaging the lower end of the hook to force its inner end inwardly.

When the bottle is closed, the eye 8 of the bail is engaged by the hook and the stopper securely held in the neck of the bottle by reason of the spring retaining the hook in firm engagement with the eye 8.

When it is desired to open the bottle, all that is necessary is to depress the lower end of the hook, thus releasing its upper end from engagement with the eye and allowing the bail to be swung up and the stopper to be removed from the mouth of the bottle.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the device will be readily understood without requiring an extended explanation.

The device is exceedingly simple, can be attached to any of the bottles now in use, and is easily operated in closing or opening a bottle.

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

The combination with a bottle having a shoulder near its mouth, of a rod or stiff wire bent around the neck of the bottle below the shoulder, thence bent upwardly to form a post, which is provided with an eye, the free ends of said wire being connected together, and then extending laterally to form parallel ears, a hook-lever having a flattened portion pivoted between said ears, a spring having one end secured between said ears and its other end engaging the lower end of the hook-lever, an angular bail having one end formed with an eye adapted to be engaged by the eye of the post, and having its other end formed with an eye to be engaged by the hook-lever, and a stopper hung upon said bail, substantially as set forth.

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

WILLIAM ALLISOYIOUS COGHLAN.

Witnesses:

MARVIN T. VAUGHAN,

JOHN COGHLAN.