Nov. 27, 1923. 1,475,908

W. P. WALSH

LOCK BOTTLE AND CAP

Filed May 26, 1922

Fig. 1.

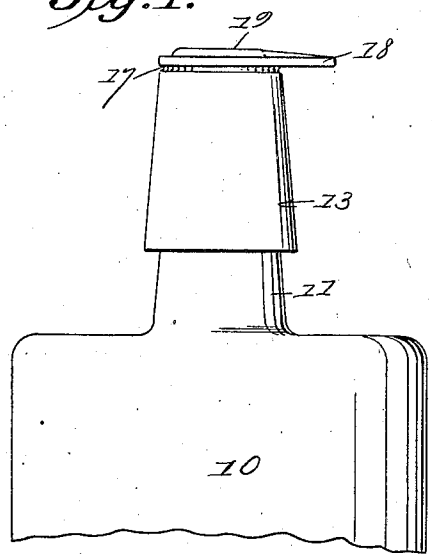


Fig. 2.

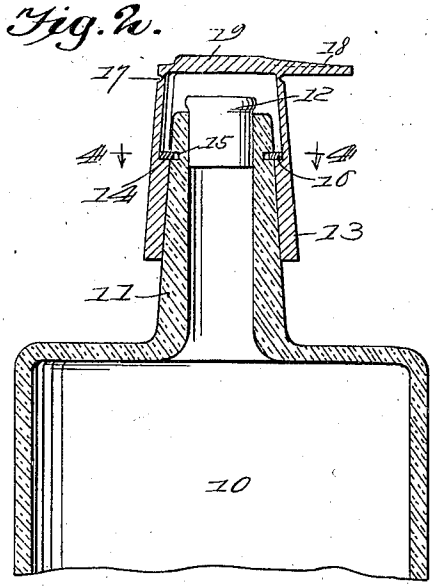


Fig. 3.

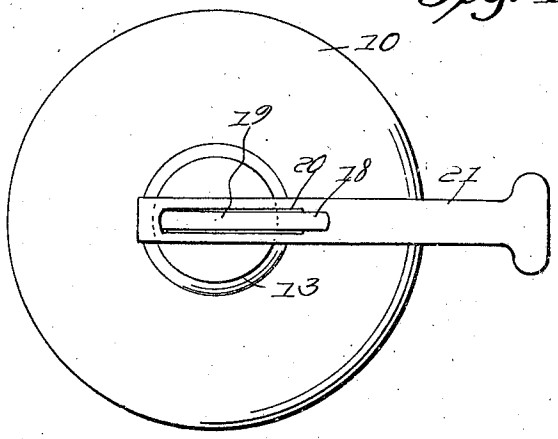
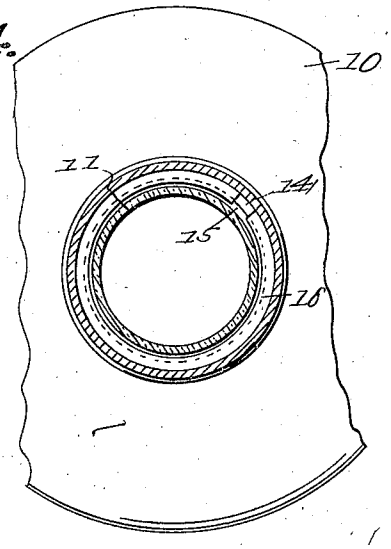


Fig. 4.



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UNITED STATES PATENT OFFICE.

WILLIAM P. WALSH, OF CHICAGO, ILLINOIS.

LOCK BOTTLE AND CAP.

Application filed May 26, 1922. Serial No. 563,815.

To all whom it may concern:

Be it known that WILLIAM P. WALSH, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, has invented new and useful Improvements in Lock Bottles and Caps, of which the following is a specification.

The object of the invention is to provide a construction of bottle and cap whereby the latter may not be removable after being positioned upon the filled bottle without such mutilation as to prevent reclosing and concealing and hence refilling; and with this object in view the invention consists in a construction and combination of parts of which a preferred embodiment is shown in the accompanying drawings, wherein:—

Figure 1 is a side view, and

Figure 2 is a sectional view of a bottle and cap constructed in accordance with the invention.

Figure 3 is a plan view showing in connection with the cap a de-capping or opening tool.

Figure 4 is a transverse section on the plane indicated by the line 4—4 of Figure 2.

The bottle 10 which obviously may be of any preferred shape and dimensions is provided with a neck 11 which is preferably exteriorly tapered toward its mouth or lip and is adapted to receive a cork 12 of conventional form, and seated upon said neck is a cap 13 having a tapered or conical inner surface conforming substantially to the exterior surface of the neck, said cap and neck being provided with registering grooves 14 and 15 serving mutually to form a seat for a split key 16 which serves when the cap is in place to lock the same against displacement from the neck.

The cap adjacent to its upper end is provided with a circumferential groove 17 forming a weakened section to facilitate the twisting of the upper end of the cap from the conical wall thereof by a turning movement of the former and to facilitate such turning movement the upper end of the cap is provided with a radial extension or arm 18 and a transverse rib 19 in extension of said arm and disposed radially of the cap for engagement by the slot 20 of a de-capping tool 21 shown in Figure 3.

The key serving as a means of preventing the disengagement of the cap as an entirety from the neck of the bottle, the method of opening a bottle constructed as described consists in engaging the tool therewith as above indicated and turning the same so as to twist the head or top of the cap from the walls thereof after which the cork may be removed to give access to the contents of the receptacle. Obviously the wall portion of the cap remains locked to the bottle and immovable therefrom except by breaking the neck of the bottle, so that the refilling of the bottle and the restoring of the same to its original condition is prevented.

Having described the invention, what is claimed as new and useful is:—

A bottle having a neck adapted for the reception of a cork, a cap fitted upon and surrounding the neck and locked thereto and enclosing the cork, the cap adjacent its upper end being provided with a circumferential groove forming a weakened section to facilitate twisting the top of the cap from the wall thereof by a turning movement, said cap having a radial arm, and a transverse rib in extension of said arm and disposed radially of the cap for engagement with a decapping tool.

In testimony whereof he affixes his signature.

WILLIAM P. WALSH.