March 21, 1933. R. D. CORKE ET AL 1,902,354

COMBINATION HOLDER AND COVER FOR BOTTLES

Filed Nov. 7, 1931

Fig. 1.

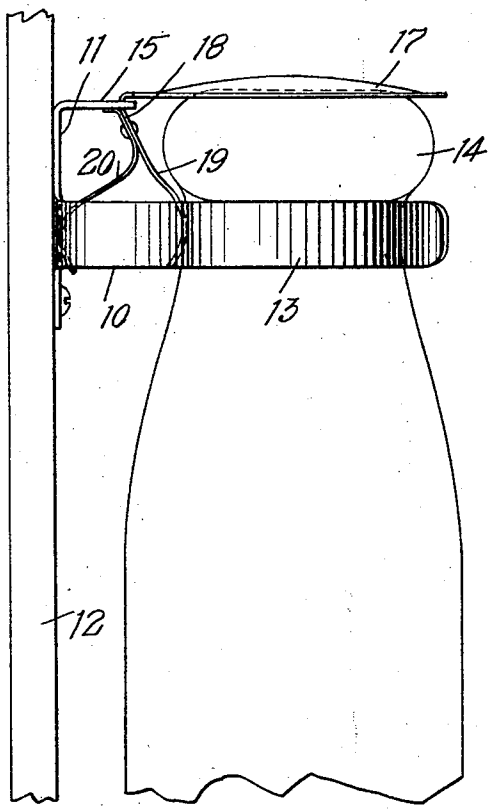
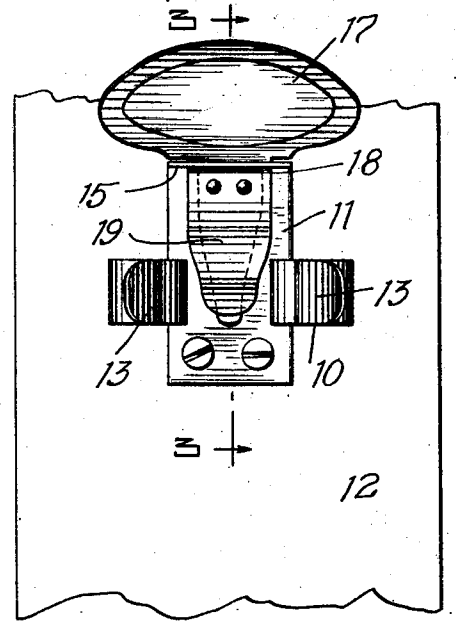


Fig. 2.



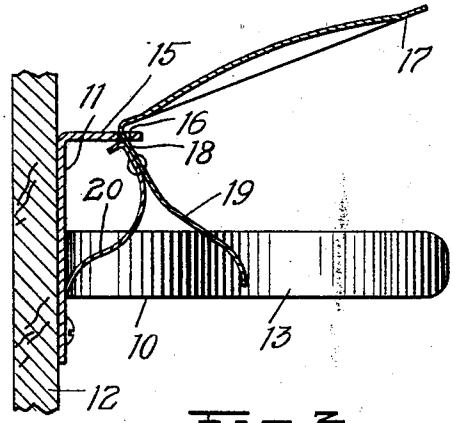


Fig. 3.

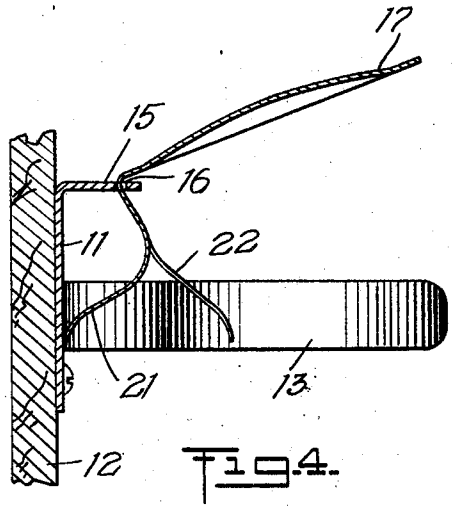


Fig. 4.

INVENTORS

Ruloff D. Corke

Frederik Hansen

BY their ATTORNEY

Cecil Monroe

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UNITED STATES PATENT OFFICE

RULOFF D. CORKE, OF YONKERS, AND FREDERIK HANSEN, OF WHITE PLAINS, NEW YORK

COMBINATION HOLDER AND COVER FOR BOTTLES

Application filed November 7, 1931. Serial No. 573,530.

This invention relates to an improvement in holders, and more particularly to a combination holder and cover for bottles.

Among the principal objects which the invention has in view are: To provide a combination means to hold a bottle and protect the top of said bottle; to provide means whereby the cover of the holder will positively shield the contents on top of a bottle; to provide a holder with a cover which will operate when a bottle is inserted or withdrawn therefrom; to provide a holder which may be conveniently applied for permanent use; to secure simplicity of construction and operation; and to obtain other advantages and results as may be brought out in the following description.

In the drawing:

Figure 1 is an elevation of our improved holder, embodying our invention and showing the same secured to a convenient place with a bottle therein.

Figure 2 is a front elevation.

Figure 3 is a sectional view shown as taken on the line 3—3 of Figure 1; and

Figure 4 is a view similar to Figure 3 in modified form.

In the description:

In one specific embodiment of the invention illustrated in said drawing and referring more particularly to Figures 1 to 3, inclusive, the reference numeral 10 indicates an improved combination holder in its entirety. Said holder may be conveniently attached to a post or other suitable place away from the floor or ground. Heretofore, bottles containing milk or the like have been delivered in the early hours of the morning and placed on door steps, the ground, and so forth, exposing the contents to inclement weather, also often made unsanitary by stray animals often licking whatever contents may have seeped through the edges of the cover. It is to overcome these disadvantages that we have devised this invention.

In carrying out the invention the holder 10 may preferably be constructed of a non-corrosive material which will withstand inclement weather and continued use. In this respect a metal such as brass, nickel or the like may be utilized. In construction the holder may provide an elongated flat strip 11 which for clarity may be termed the supporting strip and attached flatwise to a post 12 a suitable distance up from the ground.

For supporting a bottle in the holder we have provided a two-arm spring clip here shown as consisting of a pair of outwardly projecting arms 13, 13, and preferably integral with the supporting strip 11. Said arms 13, are formed in shape to clamp the upper rim of the neck of a bottle 14 therebetween. In practice said arms provide a space therebetween of a smaller diameter than the neck of the bottle, but said arms will spread resiliently outwardly when a bottle is inserted, securely grip the bottle and hold it in place until removed.

At the upper extremity of the supporting strip 11 we have bent the strip over, directing it forwardly to be in a flatwise, outstanding position, as a ledge 15. Adjacent the outer end of this ledge is provided a slot 16 extending transversely and substantially the width of the ledge. A lid or cover 17 is provided with means for being attached to the ledge. Said means may be in the form of a strip 18 extending from the rear of the cover 17, and downwardly through the slot 16, and in this instance may be integral with the cover. Said strip is preferably the same width as the slot 16 to permit passage therethrough and is so shaped to act in the nature of a spring member 19 which may engage the side of the bottle. For this purpose the cover and the strip form an acute angle so the strip will partially underlie the cover. On the underside of the ledge 15 and preferably attached to the depending strip or spring 19, we have attached, by suitable means as by riveting, a spring member 20, the lower or free end of which diverges from spring 19 and engages against the inner wall of the elongated strip 11. In practice, as shown in Figure 1, the presence of the bottle bearing against the member 19, will tend to hold the cover 17 down on the top of the bottle. As emphasized in Figures 2 and 3, when the bottle is removed, the cover will

be tilted upward, under the influence of the other spring member 20.

While we have utilized two separate spring members 19 and 20 in our preferred form, we do not necessarily confine ourselves to this specific construction. As shown in Figure 4, the spring members, one to engage the bottle and the other to press against the supporting strip may be stamped from the same material as the cover, as at 21, 22. In this case the bottle engaging spring may be in the nature of a central tongue stamped from a wider piece of material forming the rear spring, and which therefore has an opening corresponding to the material stamped out from the tongue.

We claim:

A device as characterized comprising a supporting member and bent forwardly and flatwise at its upper extremity, outwardly projecting arms adjacent and integral the lower end of said supporting member to hold a bottle therebetween, a slot in the flatwise portion of the supporting member, a cover attached to said flatwise portion, a strip extending from said cover and projecting downwardly through said slot and shaped to resiliently engage the side of said bottle, and a spring member attached to said strip and diverging at its free end to engage against the inner wall of the supporting member whereby the cover will be securely clamped on the top of the bottle.

RULOFF D. CORKE.
FREDERIK HANSEN.