

April 23, 1929.

A. C. BOOTH

1,710,288

CLOSURE CAP

Filed June 28, 1928

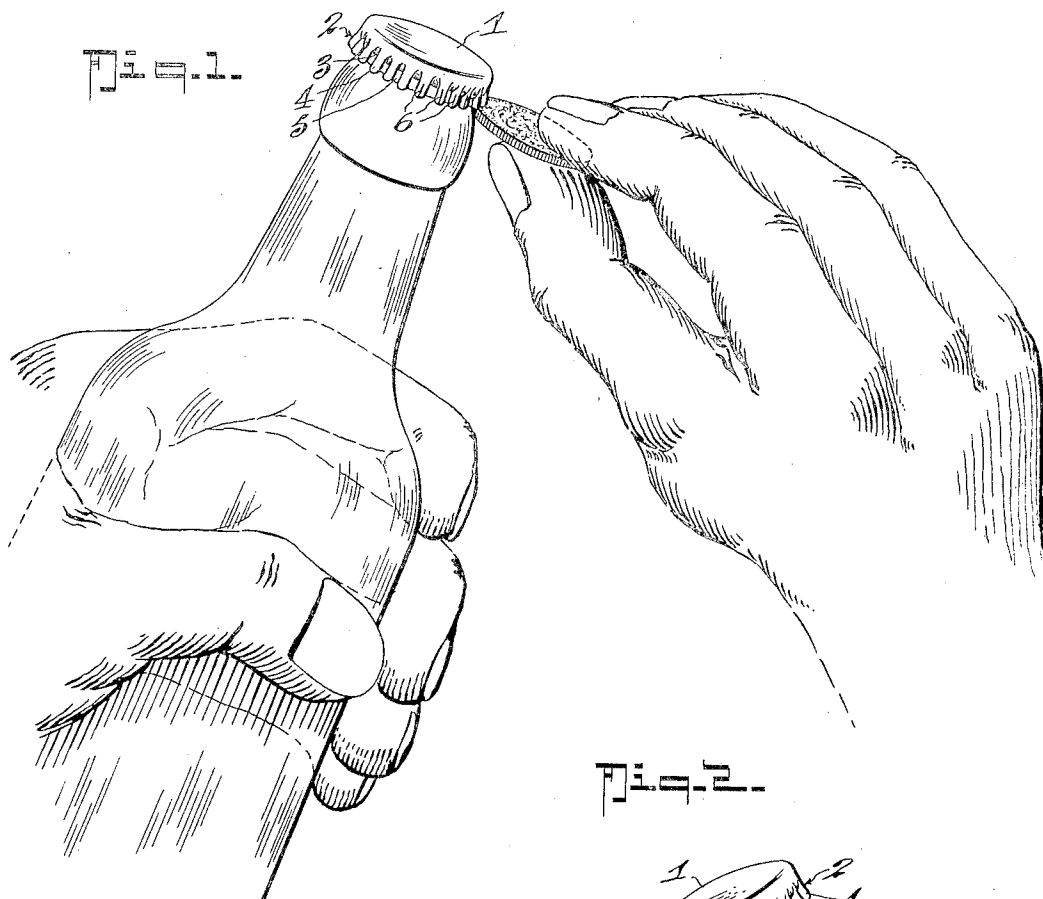
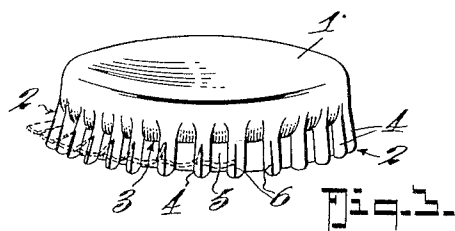
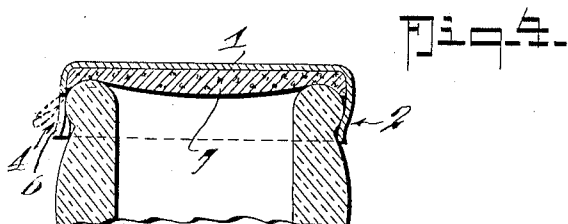


Fig. 2.



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CLOSURE CAP.

Application filed June 28, 1928. Serial No. 288,889.

My invention relates to the art of closures for bottles and jars and more particularly has for an object to provide a closure cap which, in appearance, will not differ greatly from those crimped type caps now commonly employed for closing bottles. Such caps comprise a crown-like body having a crimped flange and enclosing a cork or other seal-tight body to overlie the bottle mouth. The crimped flange is formed by stamping indentations at frequent intervals in the flange beneath the cork or seal-tight body so as to engage under a bead formed at the mouth of the bottle, the final crimping being effected to cause the cap to tightly grip the bottle by means of so-called bottle capping machines or implements. With such caps now in common use it is necessary to employ a bottle opener to effect an easy removal of the cap, and bottle openers are not always at hand. For this reason, particularly in hotels, the furniture is frequently marred by the attempt to use the doors and bureau drawers as makeshift bottle openers, it being almost impossible to remove the caps without some sort of a device that will grip the cap and act as a lever to pry the cap off.

My invention, therefore, also seeks to provide a cap of the usual type modified in such manner that while in general appearance it does not differ from the standard cap, nevertheless has provision whereby it may be easily removed by the use of a coin, key, knife, spoon or any other metallic object usually at hand, thereby avoiding the necessity of employing a bottle opener.

Further, it is an object to provide a cap for the purpose stated which will not cost any more to manufacture than the standard cap now commonly used.

Other objects will in part be obvious and in part referred to hereinafter.

To the attainment of the aforesaid objects and ends, my invention consists in the novel details of construction and in the combination, connection and arrangement of parts, hereinafter more fully described and then pointed out in the claim.

In the drawing:

Figure 1 is a perspective view of a bottle employing my invention and about to be opened.

Figure 2 is a perspective view showing the

cap with its prongs bent up prior to lifting the cap off the bottle.

Figure 3 is an enlarged perspective view of one of the caps embodying my invention.

Figure 4 is a cross section on the line 4—4 of Figure 3.

In the drawing in which like numerals of reference indicate like parts in all the figures, the cap includes the crown portion 1 and the flange or petticoat 2, the latter being crimped or corrugated as at 3, to form a series of crimped depressions 5 which alternate with ridges 4. Within the crown 1 is located the cork or other seal-tight body 7. All of the foregoing may be of the ordinary construction in accordance with the usual practice.

My invention consists in slitting the flange or petticoat 2 at suitably close intervals 6 to convert a portion of the flange into a number of prongs that can be easily bent up to free them from the bottle flange and allow the remainder of the cap to be readily lifted off without the necessity of employing a bottle opener or an equivalent instrument.

I prefer to locate the slits 6 in the ridges 4 of the corrugations and they preferably should not extend to a greater distance than flush with the under face of the seal-tight body 7.

I also find that the number of slits 6 may be considerably varied and yet enable an effective seal to be had and to permit the release of the cap without the use of a bottle opener. In practice, however, I find that a most desirable way is to slit about one-third of the ridges 4. Ordinarily the bottle caps used have twenty-one corrugations or ridges 4, so by slitting seven of these I provide six prongs as it were. By lifting these prongs in the manner illustrated in Figure 4, and this can be done by the use of a coin or any other sufficiently rigid body that will engage under the flange, a sufficient portion of the cap is unhooked from the bottle rim to enable the cap to be lifted off easily by hand or by using the same coin or other article that was used to bend up the sections of the flange.

In uncapping a bottle, which uses my improved cap, the prongs are lifted one or more at a time as indicated in Figure 2, and then the lifting object, coin, etc., is placed under the last corrugation (unslit corrugation) and a slight upward pressure is exerted. This

will lift the cap and break the seal with a minimum effort.

From the foregoing description, taken in connection with the accompanying drawing, 5 it will be seen that I have provided a bottle cap which when used generally will entirely do away with the necessity of providing bottle openers of any kind, therefore not only facilitating the sale of bottled beverages at soft 10 drink parlors, booths, etc. but will effectively put a stop to the damaging of hotel furniture by those endeavoring to remove the old style bottle caps without bottle openers.

While I have disclosed and described a 15 preferred embodiment of my invention I desire it understood that slight changes in the details of construction and arrangement of

parts can be made without departing from the spirit of the invention or the scope of the appended claim.

What I claim is:

A closure cap having a crown and a flange, the latter being crimped vertically throughout its circumference to provide bottle flange engaging depressions alternating with outwardly extending rib portions, a seal-tight 25 disk held in and filling said crown approximately one-third of said flange being provided with slits at suitable intervals to produce bendable prongs whereby when said 30 prongs are bent up away from a capped vessel said cap may be lifted off readily, said slits terminating short of the crown.

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