

Nov. 14, 1939.

S. B. HUNT, JR

2,180,055

BOTTLE CAP

Filed Feb. 8, 1938

Fig. 1.

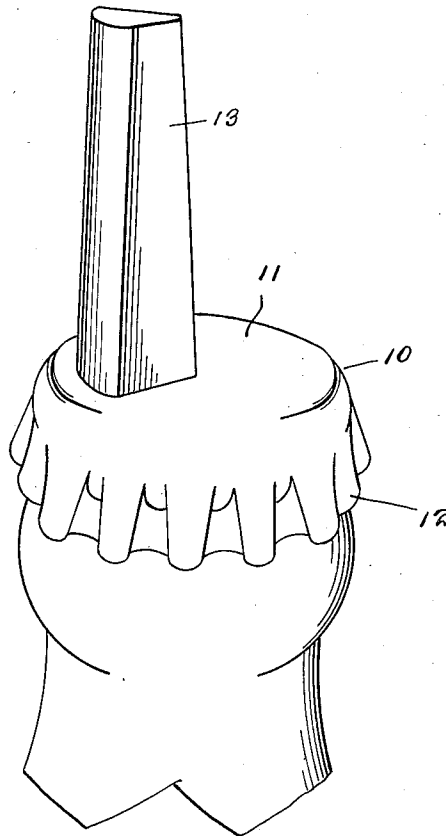


Fig. 2.

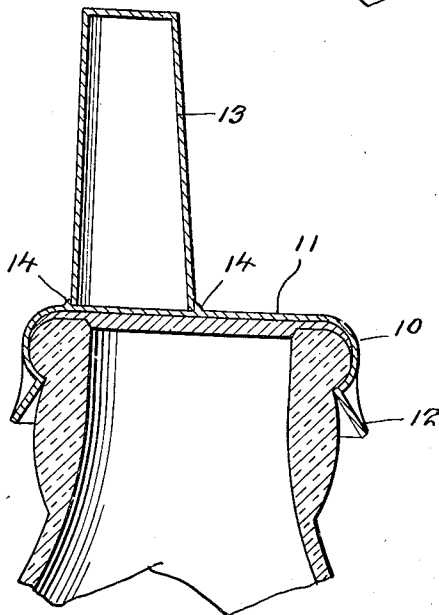
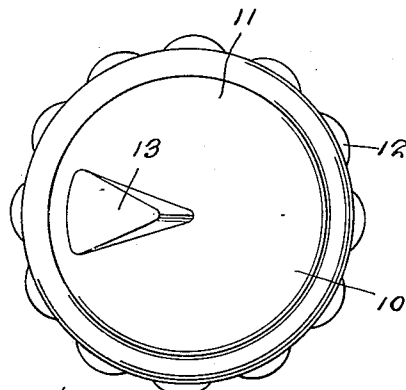


Fig. 3.



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BOTTLE CAP

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Application February 8, 1938, Serial No. 189,429

1 Claim. (Cl. 215—46)

This invention relates to bottle caps and has for an object to provide a bottle cap of the "Crown" type having fixed thereto an upstanding rigid lever, the lever being substantially triangular in cross section and having the apex disposed at substantially the center of the cap and having the side opposite the apex disposed adjacent to the peripheral edge of the top of the cap so that the lever is disposed eccentrically on the cap and when the lever is pried toward the center of the cap the center of the cap will be depressed and at the same time the corrugated skirt of the cap will be lifted at that portion adjacent to the base of the rigid lever to the end that the cap will be removed easily without mutilating the cap or danger of breaking the bottle.

With the above and other objects in view the invention consists of certain novel details of construction and combinations of parts hereinafter fully described and claimed, it being understood that various modifications may be resorted to within the scope of the appended claim without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawing forming part of this specification,

Figure 1 is a perspective view of a bottle cap constructed in accordance with the invention, in applied position.

Figure 2 is a longitudinal sectional view of the cap shown in Figure 1.

Figure 3 is a plan view of the cap.

Referring now to the drawing in which like characters of reference designate similar parts in the various views, the reference numeral 10 designates a bottle cap of the conventional "Crown" type having a disc top 11 and a corrugated depending skirt 12.

In carrying out the invention I equip the cap with an upstanding rigid lever 13 which in practice may be from one and one-half to two inches

high and is preferably substantially triangular in cross section. The rigid lever tapers from the bottom toward the top and may be formed of the same material as the cap or may be formed of different material. The rigid lever preferably is hollow, as best shown in Figure 2, and the bottom edges are rigidly secured to the cap by solder, as shown at 14. The apex of the top of the rigid lever is disposed at substantially the center of the disc top of the cap while the side opposite the apex, which side is slightly rounded, is disposed eccentrically of the cap and adjacent to the skirt but is spaced sufficiently inward of the skirt to permit proper operation of the capping machine.

In practice when the cap is to be removed the rigid lever is grasped with one hand while the bottle may be held in the other hand. Then the lever is pried in a direction toward the center of the cap. By this operation the apex of the rigid lever forces down the center of the cap while the base of the lever simultaneously pulls upon the peripheral edge of the cap and effectively dislodges the cap from the bottle without puncturing or tearing the cap, such mutilation sometimes causing injury to the operator's hands, and with minimum manual exertion.

From the above description it is thought that the construction and operation of the invention will be fully understood without further explanation.

What is claimed is:

The combination with a skirted bottle cap having a disc top, of an upstanding rigid lever of substantially triangular cross section fixed at the base to the top and having the apex disposed at substantially the center of the top of the cap and having the side opposite the apex disposed adjacent the periphery of the top of the cap.

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