United States Patent [19]

Huh

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[54] **BOTTLE CAPS**

[76] Inventor: **Nam Huh**, 527½ 6th St., Braddock, Pa. 15104

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[52] **U.S. Cl.** ..... **215/46 A**

[51] **Int. Cl.** **B65d 41/42**

[58] **Field of Search** ..... 215/46 A, 42

[56] **References Cited**

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Primary Examiner—Donald F. Norton

Attorney—Buell, Blenko & Ziesenheim

[57] **ABSTRACT**

A bottle cap having an integral appendage which is pulled by hand to detach the bottle cap from the bottle.

3 Claims, 5 Drawing Figures

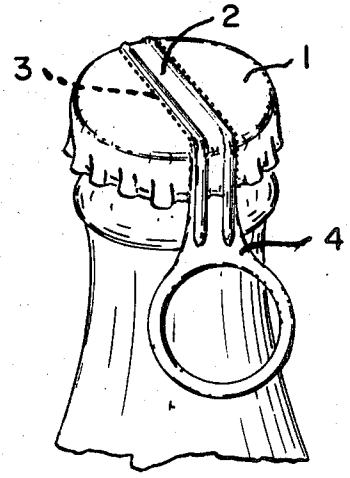


Fig. 1.

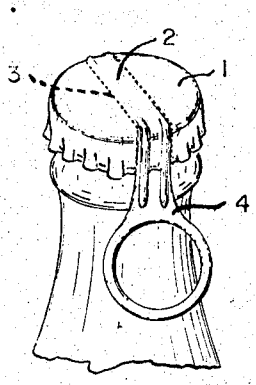


Fig. 2.

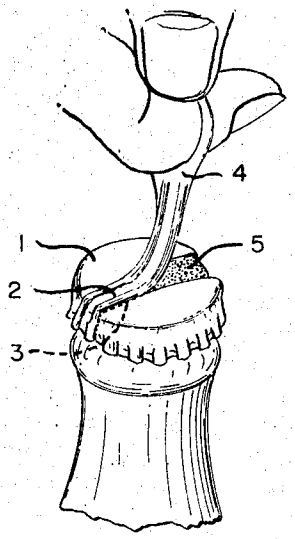


Fig. 3.

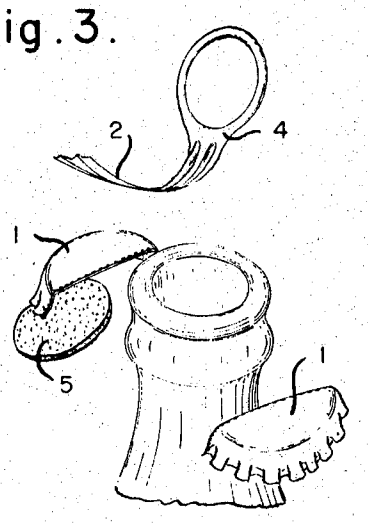


Fig. 4.

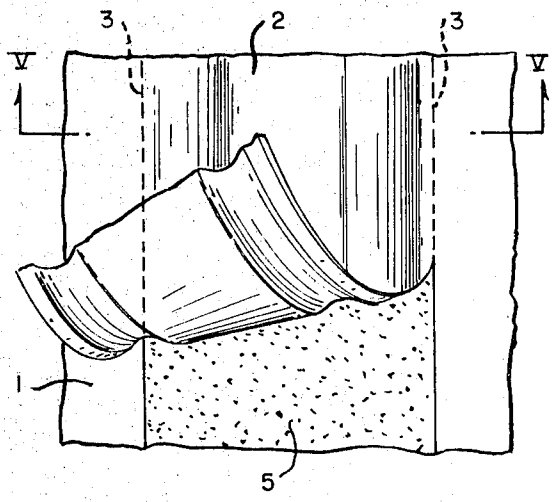
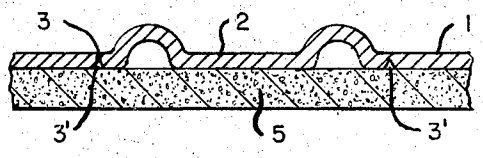


Fig. 5.



BOTTLE CAPS

The invention relates to bottle caps.

Bottle caps heretofore used require the aid of a lever tool otherwise known as "bottle openers" to remove the caps from bottles. The present invention eliminates the need for any tools and permits a bottle to be pointed away from a person when the bottle cap is removed.

In a preferred embodiment I provide a bottle cap comprising a metallic cap having a middle strip section with a tab end extending radially from the strip section. The strip section has a line formed by a series of perforations on each side of the strip on the top of the cover with a pair of corresponding grooves opposite the pair of perforated lines and along the entire length of the cover on that surface which faces toward a bottle opening. A cork seal is placed on the inside of the cap.

In the foregoing general description I have set out certain objects, purposes and advantages of my invention. Other objects, purposes and advantages of this invention will be apparent from a consideration of the following description and the accompanying drawings in which:

FIG. 1 is a perspective view of a bottle with a bottle cap;

FIG. 2 is a perspective view of a bottle cap and a sealing means which depicts the manner to detach the bottle cap;

FIG. 3 is a perspective view of the bottle cap which depicts the state of the bottle cap after use;

FIG. 4 is a top sectional view of the bottle cap; and

FIG. 5 is a section view of the bottle cap in FIG. 4 taken along the line V—V.

A bottle cap 1 appears as a conventional metallic bottle cap with a radially extending tab end 4 formed in a loop to insert a finger as shown in FIG. 2. Tab end 4 is an appendage of middle strip section 2 which is divided by perforated lines 3 on the top of the cap and an undercut groove 3' on the inside of the cap approximately opposite the perforated lines. A cork 5 seals the inside of the cover 1.

To detach the bottle cap 1, the tab end 4 is pulled across the bottle cap as shown in FIG. 2. As middle section 2 is torn from cover means 1, tension in the cap 1 is lost and pressure in the bottle escapes by forcing cork sealing means 5 against the cap 1. The cap 1 bridles the cork 5 and directs the releasing pressure away from said person if the bottle is pointed with the tab end 4 away from the person.

I claim:

1. A bottle cap comprising:

a. a cap body;

b. a strip section through the length of the body with a pair of lines formed by a series of perforations on the top of the body, one line running along each side of the strip section, and a corresponding pair of continuous grooves on the inside of the body approximately opposite each line; and

c. a tab end extending radially from the strip section.

2. The bottle cap as recited in claim 1 including a cork seal on the inside face.

3. The bottle cap as recited in claim 1 wherein the tab end has a formed loop to insert a finger.

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