May 2, 1944. C. H. COWAN, JR 2,347,734

BOTTLE CAP REMOVER

Original Filed Aug. 12, 1941

Fig. 1.

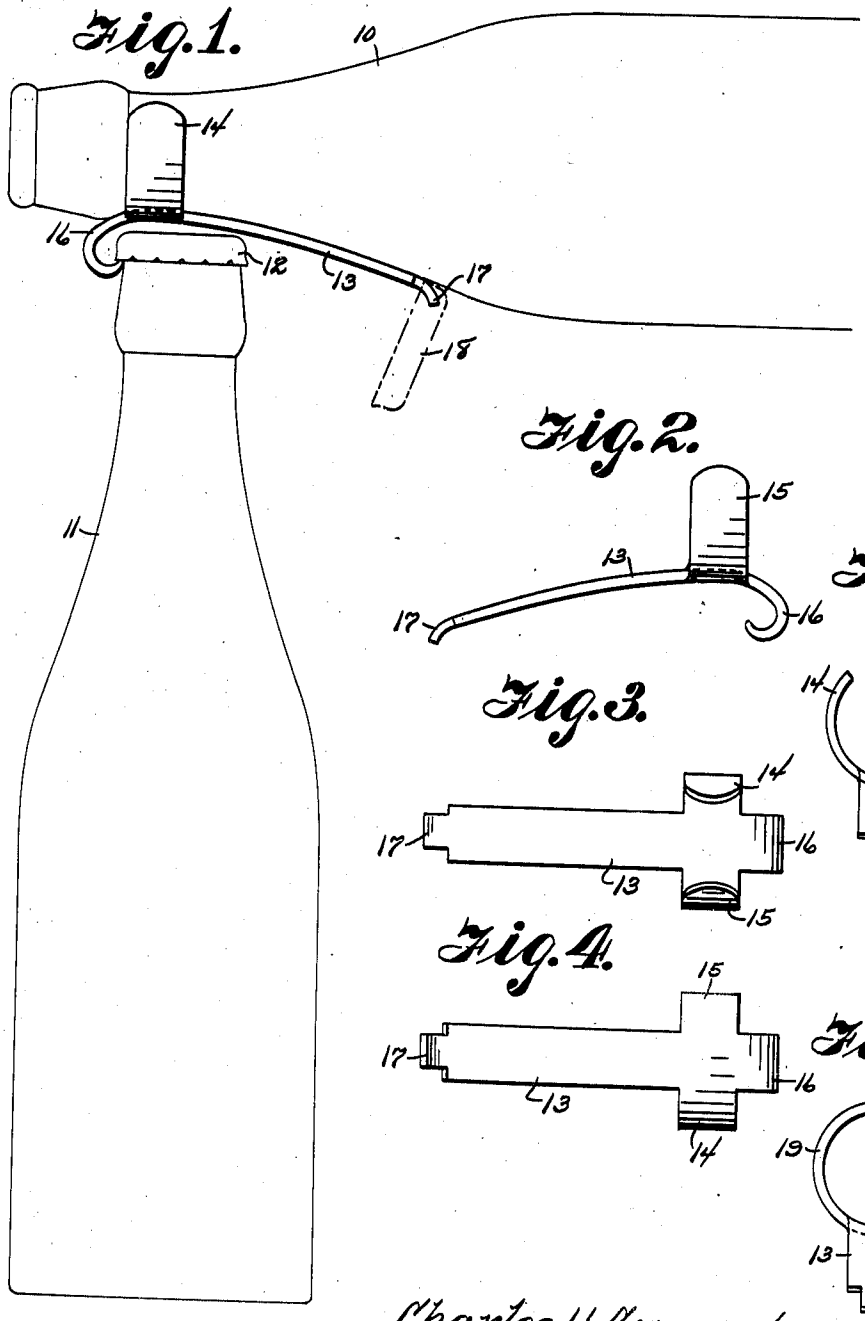


Fig. 2.

Fig. 5.

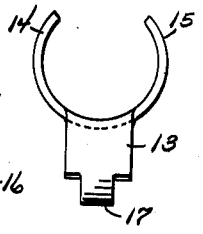
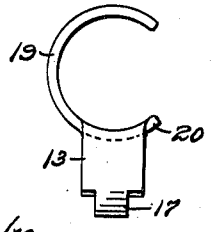


Fig. 3.

Fig. 4.

Fig. 6.



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2,347,734

BOTTLE CAP REMOVER

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Substituted for abandoned application Serial No. 406,549, August 12, 1941. This application May 24, 1943, Serial No. 488,210

2 Claims. (Cl. 81—3.46)

This invention relates to a bottle cap remover and has for an object to provide a device of this character which may be attached to the neck of a bottle and then this bottle used as a handle to exert great leverage upon a hook portion of the device which is engageable underneath the cap of the bottle to be opened, so that the cap will be detached from the bottle in a single operation and with very little manual exertion.

A further object is to provide apparatus of this character which will be formed of a single part, which will be inexpensive to manufacture, and which will not easily get out of order.

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 claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawing forming a part of this specification:

Figure 1 is a side elevation of the bottle cap remover applied to one bottle to be used as a handle and engaged with the cap of a bottle to be opened.

Figure 2 is a side elevation of the bottle cap remover showing the opposite side from that shown in Figure 1.

Figure 3 is a top plan view of the bottle cap remover shown in Figure 2.

Figure 4 is a bottom plan view of the bottle cap remover shown in Figure 2.

Figure 5 is a rear elevation of the bottle cap remover shown in Figure 2 looking toward the left end of the figure.

Figure 6 is a rear elevation of a modified form of the invention.

Referring now to the drawing in which like characters of reference designate similar parts in the various views, 10 designates a bottle to be used as a handle and 11 designates a bottle from which the metal cap 12 is to be removed.

The bottle cap remover comprises a lever 13, preferably formed of resilient metal and curved longitudinally and transversely to fit snugly against the neck of the bottle 10 which will form a handle. The lever is removably held in place by curved arms 14 and 15, of equal length, both arms forming integral parts of the lever and being adapted to embrace the bottle neck.

The lever is curved downwardly and inwardly from the arms to form a hook 16 adapted to be engaged underneath the metal bottle cap 12 which is to be removed. The opposite end of the lever is provided with an outwardly curved extension 17 between which and the bottle 10 forming the handle a metal bottle cap 18 may be inserted to detach the bottle cap remover from the neck of the bottle 10.

In operation the neck of the bottle 10 is passed laterally between the arms 14 and 15, these arms being resilient to receive the bottle neck and to clamp the bottle neck tightly to the lever 13. The bottle 10 is then used as a handle to engage the hook 16 underneath the bottle cap 12 on the bottle 11 which is to be opened, whereupon the bottle 10 is forced downwardly to engage the lever upon the bottle cap 12 as a fulcrum and simultaneously lift the hook 16 upwardly to detach the cap easily and quickly from the bottle 11 with minimum manual effort.

A modified form of the invention is shown in Figure 6. In this form of the invention the bottle neck embracing arms 19 and 20 are of unequal length and receive the bottle neck in the same manner as the arms 14 and 15 of equal length.

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

This application is a substitute for applicant's earlier application for the same invention filed August 12, 1941, Serial No. 406,549.

What is claimed is:

1. A bottle cap remover comprising, a resilient lever curved longitudinally and transversely to fit the contour of the neck of a bottle, curved arms integral with the forward end of the lever adapted to embrace the neck of the bottle to secure the lever to the bottle to permit the bottle to form a handle for exerting leverage on the lever, said lever being provided at said end thereof with a rearwardly and upwardly extending hook to engage underneath and remove the metal cap of a bottle disposed at substantially a right angle to the first named bottle.

2. The structure as of claim 1 and in which the rear end of the lever is curved outwardly to be engaged by any object to pry the lever off of the first named bottle.

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