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BOTTLE CAP REMOVER

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Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

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This invention relates to new and useful improvements in bottle cap removers.

The primary object of the invention is to provide a bottle cap remover which is formed from a single strand of wire.

A further object of the invention is to provide a remover of the above mentioned type which is of a very strong and durable nature and which may be manufactured at a very low cost, whereby the remover may be termed a practical article of manufacture.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a side elevational view of the bottle cap remover embodying this invention as shown operatively associated with a bottle cap and in readiness to remove the same from the neck of a bottle.

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

Figure 3 is a side elevational view of the remover, and

Figure 4 is a front end elevational view of the bottle cap remover.

In the drawing, wherein for the purpose of illustration is shown a preferred embodiment of this invention, the numeral 5 designates in its entirety the elongated body portion of the bottle cap remover which is formed from a single strand of wire bent intermediate its ends to produce the relatively long, elongated loop 6 which constitutes the handle portion of the body, the relatively short elongated loop 7 which forms a bottle cap engaging heel, and the parallel extending portions of the strand of wire connecting the loops 6 and 7 and constituting the shank 8 of the bottle cap remover. The end portion 9 of the strand of wire which extends from the loop that forms the heel of the body 7 is twisted around the shank 8, as at 10, for tying together the strand parts which form this shank. The remaining end portion 11 of the strand of wire is bent downwardly through the heel forming loop 5 to provide a depending leg 12 which has its end portion bent into the hook-shaped, bottle cap flange engaging foot 13 which is notched at 14 for receiving the lower edge of the bottle cap flange. It will be seen that the twisted portion 10 of the strand end 9 not only strengthens the shank portion 8 of the body 5, but also ties the depending leg and foot 13 to this body to prevent resistance applied to the foot 13 by the cap from pulling this foot and leg away from the body of the remover.

In Fig. 1 there is shown a fragmentary portion of a bottle 15 which has the metallic cap 16 crimped upon the mouth of the bottle. This cap is formed with the depending flange 17. In employing the cap remover, the heel portion 7 is placed against the outer end face of the cap 16 and the foot 13 is associated with the flange 17 so that the lower edge of the said flange will enter the notch 14 of the foot. Upward pressure upon the handle 6 will then cause the cap to be gripped between the foot 13 and the heel 7 for removing the said cap from the bottle. It is to be understood that the form of this invention herewith shown and described is to be taken as the preferred example of the same, and that various changes in the shape, size, and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described the invention, I claim:

1. A bottle cap remover formed from a single strand of wire which is bent to provide an elongated body having a relatively long loop at one end forming a handle, a short loop at the other end forming a bottle cap engaging heel, and a straight shank between the loops with portions of the wire parallel and contacting each other; the end of the wire extending from the heel loop being twisted around the shank to strengthen the same, and the end of the wire extending from the handle loop being passed through the loop forming the heel and depending
from within the loop in the form of a leg and a hook-shaped bottle flange engaging foot at the end of the leg.

2. A bottle cap remover consisting of a single strand of wire bent to form a handle portion and a two ply shank one of the plies being bent into the form of a closed loop and continued to form a spiral coil tightly embracing both plies of the shank and the other ply extended through said coil and bent downwardly inside the loop to form a foot for engagement with the flange of a bottle cap.

In testimony whereof I affix my signature.

WACLAW WASKEWICZ.