May 17, 1927

F. S. ENKLER ET AL

1,628,715

BOTTLE CAP REMOVER

Filed Sept. 27, 1926

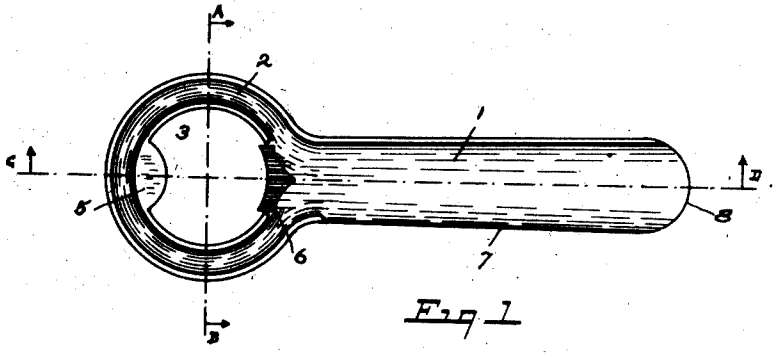


Fig 1

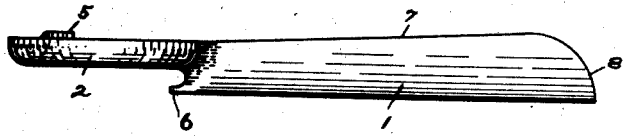


Fig 2

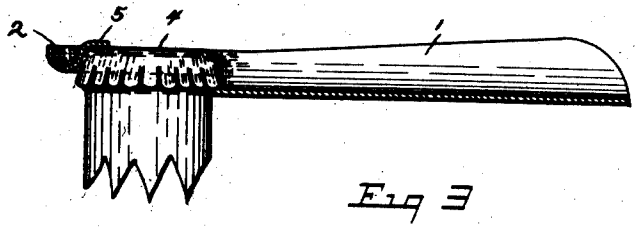


Fig 3

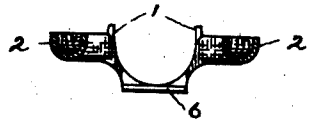


Fig 4

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UNITED STATES PATENT OFFICE.

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BOTTLE-CAP REMOVER.

Application filed September 27, 1926. Serial No. 138,090.

This invention relates to a bottle cap remover, and more particularly to a hand tool for removing the "crown" caps from bottles.

Nearly all of the devices now employed for this purpose not only press on the body of the cap, indenting it, but the lifting or prying lug which engages the under edge of the cap, can also come in contact with the beaded head on the neck of the bottle and crack off the glass.

The object of the invention is to provide a device of this class that shall press on the top of the cap at its edge, and engage the lower edge of the cap also at the edge but directly opposite each other so that the greatest leverage is obtained in removing the cap, and the cap is not indented, and could be used again if desired.

A further object of the invention is to so construct a bottle cap remover, that the prying lug can not come into contact with the glass, and therefore no damage can be done to the bottle.

Still another object being to provide a device that shall be strong, durable, and made in one piece, and which may combine several articles if desired, such as a parer, and an apple corer.

With these and other objects in view, our invention consists in certain construction and combination of parts as will hereinafter be fully described and claimed and illustrated in the accompanying drawings which form a part hereof, and in which like figures of reference refer to corresponding parts in all of the views, but it is understood that we do not confine ourselves to the exact design as shown, as slight changes may be made without departing from the spirit of the invention.

In the drawings:—

Figure 1 is a top plan view of the bottle cap remover.

Figure 2 is a side elevation of the same.

Figure 3 is a vertical, longitudinal sectional view, taken on the line C—D of Figure 1.

Figure 4 is a vertical, cross sectional view, taken on the line A—B of Figure 1.

Referring to the drawings, the device as here shown in stamped from a single piece of sheet metal, and comprises a handle portion 1, which is U-shaped in cross section, and which is integral with a circular body portion 2, which is also U-shaped in cross section, the two comprising a ring and handle.

The opening 3 in the ring or body portion is of the proper diameter to embrace a "crown" cork 4, without being a tight fit or too loose a fit, the purpose being to center the device on the cap, and thus prevent either the pressing lug 5 or the lifting lug 6 from getting out of place.

The lower edge of the handle portion 1, is formed with the lifting lug 6 which is below the bottom of the ring 2, and extends inwardly sufficiently to engage the lower edge of the "crown" cap 4, and not so far that it can come into contact with the glass of the bottle.

Opposite said lifting lug 6, on the upper edge of the ring 2 is formed the pressing lug 5, which engages the top edge of the cap 4 and prevents the ring from slipping down on the cap, and provides the leverage for prying off the cap.

If so desired one edge 7 of the handle 1 may be ground to provide a cutting edge, which may be used in paring vegetables, and the end 8 of said handle may also be sharpened to provide a corer.

Also the handle portion may be used to carry the name of the maker, or advertising matter as desired.

It will thus be noted that the cross sectional shape of the device provides strength, while the ring centers it on the cap, and prevents the lifting lug from coming into contact with the bottle.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is:

A bottle cap remover of the class described, comprising in combination with a handle member U-shaped in cross section, of a ring portion also U-shaped in cross section and integral with said handle member, and

adapted to embrace the periphery of the cap, a pressing lug formed on the upper part of said ring portion and adapted to engage the top edge of the cap, and a lifting lug formed on the lower part of said ring and adapted to engage the lower edge of the can at a point opposite the pressing lug for the purpose of lifting said cap when said handle is pressed upward.

In testimony whereof we hereunto affix our signatures.

FREDERICK S. ENKLER.
GEORGE W. BAIRD.