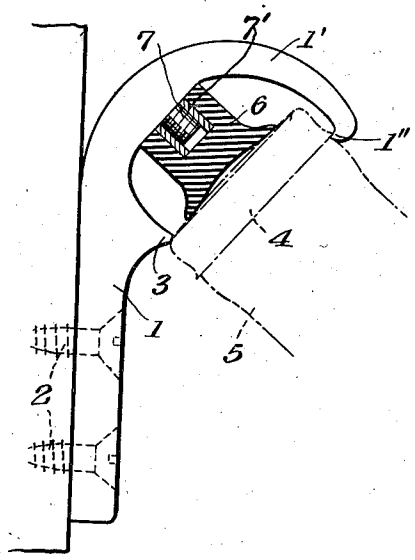
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BOTTLE CAP REMOVER

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BOTTLE CAP REMOVER

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2 Claims. (Cl. 65—46)

My invention relates to improvements in bottle cap removers, so-called, the function of such a device being to facilitate the removal of the so-called "crown seal caps" for bottles.

The object of the present invention is to provide such a cap remover with means for holding the dislodged cap thereto after it has been removed from the bottle so that it will not accidentally or unintentionally fall upon and litter up the floor or roll into some dark or inaccessible place where it will be hard to locate and retrieve.

In the accompanying drawing I have shown various forms of my invention to indicate that it is susceptible of various modifications.

In the drawing—

The single figure is a side elevation, partly in section, of one form of my improved bottle cap remover.

In the particular form shown, the remover is of the type that is fastened to a wall. 1 represents a frame portion or bracket which may be secured to a wall by any suitable fastening means, such as screws 2—2. 1' is an outwardly projecting portion of the frame which is provided near its end with a ledge 1'' adapted to engage under the edge of a bottle cap to act as a pry to dislodge the same. 3 represents an abutment which acts as the fulcrum of the remover. A metallic bottle cap of the well known "crown seal" type is indicated by dotted lines at 4. A portion of a bottle is indicated by dotted lines at 5, showing the cap as it appears thereon to seal the same and in place ready to be removed. 6 is a vacuum cup of rubber or like material. This cup is secured to a suitable portion of the frame 1 in line with the cap 4 when it is about to be removed. The cap 5 may be secured in the frame 1 in any one of many ways. In the form shown I have provided a threaded lug 7 on the inner side of the frame and I have provided a threaded sleeve 7' which may be molded into the body of the cup 6 and by which the cup may be screwed on to the stud so as to stand in its operative position. The edge of the vacuum cup normally stands in a position so that it will be engaged and compressed by the cap just prior to the dislodgment of the same from the bottle. In operation the user raises the bottle into position to cause one edge of the cap 4 to engage upon the ledge 1''. With this as a bearing point, he then swings the bottle in the direction to cause the opposite side of the cap to approach the abutment 3. Before it actually engages the abutment the cap will encounter and repress the edge of the vacuum cup 6. Since the center of the vacuum cup is concaved to form a vacuum chamber, when the edges of the cup are forced back air will be expelled therefrom. When the cap encounters the abutment 3 a continued movement of the bottle will cause the cap to be pried off. When the bottle has been completely detached from the cap the latter will be pneumatically held thereto but may be easily removed therefrom and discarded into a proper waste receptacle. By this means the object of the invention is attained.

It should be understood that the invention is not limited to the particular form or structure shown nor to being of the type that is fastened to the wall.

I claim:

1. As an article of manufacture, a bottle cap remover comprising, means for engaging the top of a cap to act as a fulcrum, cooperating means for engaging the lower edge of said cap for permitting a prying force to be applied thereto to dislodge the cap from a bottle, and means co-acting therewith to hold the cap to said remover after dislodgment from the bottle, said means comprising a vacuum cup positioned to engage the top of said cap while the latter is being dislodged from the bottle.

2. As an article of manufacture, a bottle cap remover comprising, means for engaging and drying a metallic bottle cap from a bottle, and cooperating vacuum means to hold said cap to said remover after it has been fully dislodged from said bottle.

ROBERT C. MITCHELL.

CERTIFICATE OF CORRECTION.

Patent No. 2,058,902. October 27, 1936.

ROBERT C. MITCHELL.

It is hereby certified that error appears in the printed specification of the above numbered patent requiring correction as follows: Page 1, second column, line 41, claim 2, for the word "drying" read prying; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 22nd day of December, A. D. 1936.

Henry Van Arsdale

(Seal) Acting Commissioner of Patents.