May 13, 1924. 1,493,543

W. M. HIGHT

BOTTLE CAP REMOVER

Filed March 29, 1923

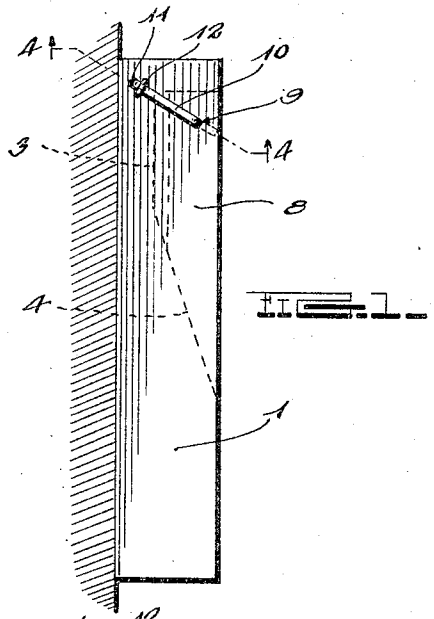


FIG. 1.

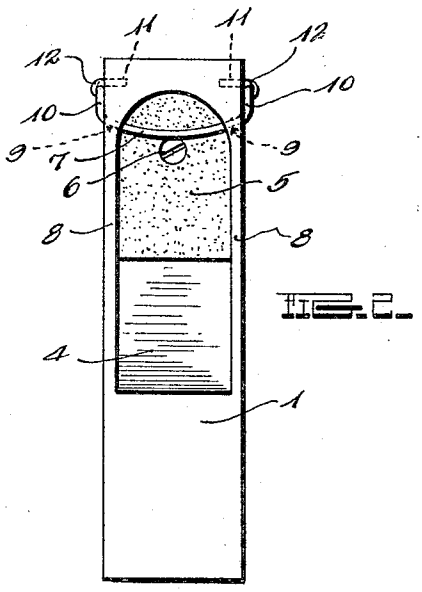


FIG. 2.

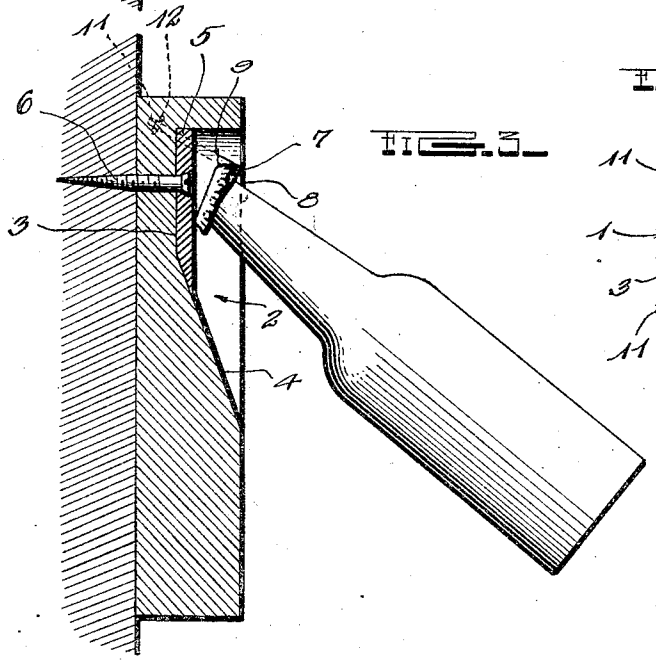


FIG. 3.

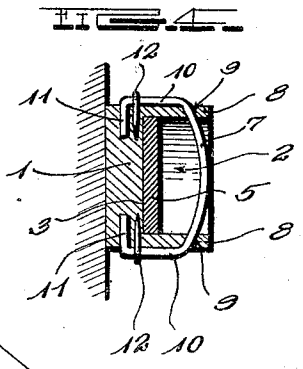


FIG. 4.

Witness

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UNITED STATES PATENT OFFICE.

WILLIAM MONION HIGHT, OF COLUMBUS, GEORGIA.

BOTTLE-CAP REMOVER.

Application filed March 29, 1923. Serial No. 628,593.

To all whom it may concern:

Be it known that I, WILLIAM M. HIGHT, a citizen of the United States, residing at Columbus, in the county of Muscogee and State of Georgia, have invented certain new and useful Improvements in Bottle-Cap Removers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in devices for removing bottle caps and has for its object to provide an extremely simple and inexpensive device of this character which cannot possibly chip the bead on the neck of the bottle, when the cap is being pried from said bead.

With the foregoing in view, the invention resides in the novel subject matter hereinafter described and claimed, the description being supplemented by the accompanying drawing.

Figure 1 is a side elevation of a bottle cap remover constructed in accordance with my invention, showing it mounted upon a vertical support.

Figure 2 is a front elevation.

Figure 3 is a central vertical sectional view.

Figure 4 is a horizontal sectional view on line 4—4 of Fig. 1, looking in the direction of the arrows.

In the form of construction selected for illustration in the present application, the numeral 1 designates an elongated rectangular block or body which may be formed of any desired material, although hard wood is preferably used. The front side of the body 1 is formed adjacent one end, with an elongated recess 2 having substantially half of its back wall parallel with the front side of the body as indicated at 3, while the remainder of said back wall 4 extends obliquely to said front side and may well display advertising matter. Also, the portion of the front side of the body which is not occupied by the recess 2, is intended for displaying advertisements or other desired matter.

In the form of construction shown, a leather pad 5 covers the portion 3 of the recess wall to be engaged by the bottle cap during the act of removing it from a bottle, as will be clear by reference to Fig. 3. It is not essential to form the pad 5 of leather as any other desired material may be used. Regardless of the material employed in forming the pad, I preferably provide this pad and the body 1 with alined openings which may receive a fastener such as the screw 6. This fastener may pass only through the pad and body, if the bottle opener is to be used by hand, but preferably extends beyond said body as indicated in Fig. 3 to secure the device to a vertical support, such as a wall or counter.

Extending across one end portion of the recess 2 and spaced in front of the pad 5, a distance considerably less than the diameter of a bottle cap, is a length of wire 7 which is anchored at both ends to the opposed side walls 8 of said recess, this wire being preferably bowed as shown for effective engagement with the corrugated edge of the cap. When the bottle neck is first inserted into the recess 2 and raised sufficiently, it strikes the wire 7 and then by pushing downwardly upon the bottle, said wire engages the crimped edge of the bottle cap and the diametrically opposite portion of this cap then bears against the pad 5. Continued downward movement of the bottle, will now pry the cap from the usual bottle neck bead and the wire 7 will yield freely over said bead without any danger whatever of chipping the same. It will thus be seen that the invention is much more advantageous than any of the bottle openers now on the market, which cause a tremendous loss due to chipped bottle necks.

In anchoring the ends of the wire 7, I prefer to pass them outwardly through openings 9 in the recess walls 8, to bend them laterally against opposite sides of the body 1, as indicated at 10, to further bend said ends to provide prongs 11 which are driven into the sides of the body, and to use staples 12 straddling the portions 10 to prevent possible outward springing thereof.

The device constructed as or substantially as shown and described, is simple and inexpensive, yet will be highly efficient and in every way desirable, both as a bottle cap remover and an advertising medium. As excellent results have been obtained from the exact details disclosed, they may be followed if desired, but within the scope of the invention as claimed, numerous minor changes may be made.

I claim:

1. A bottle cap remover comprising a

body having a yieldable pad against which the bottle cap bears when the body and bottle are relatively angled, and a length of wire anchored at its ends to said body and having its intermediate portion spaced from said pad to hook under the edge of the cap and yield over the bottle neck bead as the cap moves from said bead.

2. A bottle cap remover comprising an elongated body having a recess in one side into which a bottle neck may be inserted, and a length of wire extending across said recess and having its ends anchored to the opposed side walls thereof, said wire being adapted to hook under the cap of a bottle neck inserted in the recess and being spaced from the inner wall of said recess a distance less than the diameter of the cap, whereby the cap will bear against said inner wall when the body and bottle are angled.

3. A bottle cap remover comprising an elongated body having a recess in one side adjacent one end, a portion of the bottom of said recess being flat and disposed in parallelism to the front face of the body and the remainder of the bottom being inclined and extended obliquely to said front wall, the opposed side walls of said recess being provided with openings, a length of wire having its intermediate portion disposed transversely across one end of said recess, the end-portions of said wire being extended through the openings in the side walls of the recess and having their extremities directed laterally and driven into the sides of said body, and a yieldable pad connected with the flat portion of the bottom of said recess at a point spaced from said intermediate portion of the wire.

In testimony whereof I have hereunto affixed my signature.

WILLIAM MONION HIGHT.