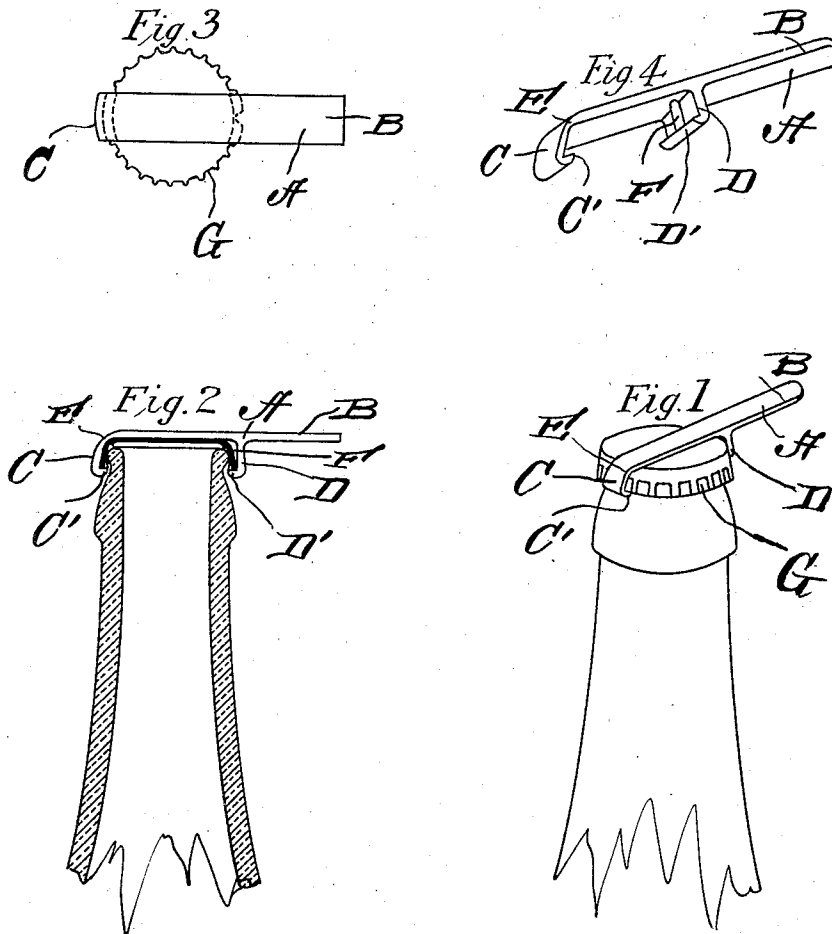


C. F. FORSYTH & F. C. WALLACE.
 DEVICE FOR REMOVING BOTTLE CAPS.
 APPLICATION FILED OCT. 9, 1909.

941,865.

Patented Nov. 30, 1909.



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UNITED STATES PATENT OFFICE.

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DEVICE FOR REMOVING BOTTLE-CAPS.

941,865.

Specification of Letters Patent.

Patented Nov. 30, 1909.

Application filed October 9, 1909. Serial No. 521,985.

To all whom it may concern:

Be it known that we, CHARLES F. FORSYTH and FRANCIS C. WALLACE, citizens of the United States, residing at Washington, District of Columbia, and Drummond, Montgomery county, Maryland, respectively, have invented certain new and useful Improvements in Devices for Removing Bottle-Caps; and we do hereby 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in devices for use in removing caps from beer and other bottles, and it has for this object among others the provision of a simple and inexpensive device of this character so constructed as to permit of its being quickly and easily sprung over and locked to a bottle cap in such a manner as to secure a permanent locking of the device to the bottle cap where, it will serve as a means for quickly and easily detaching the cap from the bottle when desired.

The invention has for an essential object the provision of a device of this character which, while serving as a means whereby the bottle cap may be removed, upon account of its cheapness of construction is designed to remain permanently locked to the cap and be thrown away with it when it is removed from the bottle.

To these ends and to such others as the invention may pertain, the same consists in the novel construction of the device as will be fully described and shown in the accompanying drawings, which with the letters of reference marked thereon, form a part of this specification and in which drawings:—

Figure 1 is a view of a bottle neck provided with a metallic cap with our device shown as locked thereto. Fig. 2 is a central section. Fig. 3 is a top plan view, and Fig. 4 is a perspective view of the device detached.

Reference now being had to the details of the drawings by letter, A represents the device which is made of a single piece or casting, the top portion B having depending therefrom arms C and D. Said arms are provided upon their free ends with hooks C' and D', said hooks being adapted to engage

the lower edges of the periphery of the serrated flanged edges of the cap, upon the opposite side thereof. The arm C which is provided at one end of the device and extending downwardly at an inclination corresponding with the flange of the bottle cap is, at the point E, made thinner than the top or body portion B. On the inner face of the downwardly extending arm D is provided an angular lug, F, said lug corresponding in size and shape with the size and shape of the notches between the serrations G upon the outer edges of the bottle cap, thus insuring a means for securely locking the device to the cap and preventing its being accidentally laterally displaced. The upper portion B of the device extends at one end a short distance beyond the edge of the bottle neck when the device is locked to the cap, thus providing a handle for use in removing the cap from the bottle.

The operation of the device from the foregoing description will be readily understood.

When the bottle has been capped the device is secured to the cap by engaging the hook C' beneath the cap, then by forcing the device downward, the hook D' at the lower end of the arm D will engage the lower edge of the cap upon the opposite side thereof, the thin portion of the device adjacent to the end at which the arm C is attached, permitting the device to spring securely into place and when the device has thus been sprung over the cap, the lug F will engage one of the serrations in the edge of the cap and thus prevent the device from being accidentally laterally detached.

While we have shown the device as provided with a handle consisting merely of an extended portion of the upper or body portion of the device, it is at once evident that the form of handle may be varied as the specific form of the handle employed in operating the device in removing the bottle caps is not considered to be material.

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

1. A device for removing bottle caps, the same being adapted to engage and be permanently locked to a bottle cap, substantially as shown and described and for the purpose specified.

2. A device for removing bottle caps, the same being adapted to engage a bottle cap

and be automatically locked thereto, substantially as shown and described and for the purpose specified.

3. A bottle cap remover comprising in a
5 single element a body portion, depending
arms provided at their free lower ends with
inwardly disposed hooks and having upon
the inner face of one of the arms a hook
adapted to engage a depression upon the pe-
10 riphery of the cap, substantially as shown
and described and for the purpose specified.

4. A bottle cap remover comprising a body
portion, depending arms having inwardly
extended hook portions to engage the lower

edge of a bottle cap, a lug or extension upon 15
one of the arms to engage a depression in the
periphery of the cap, and a handle for re-
moving the cap, substantially as shown and
described and for the purpose specified.

In testimony whereof we hereunto affixed 20
our signatures in the presence of two wit-
nesses.

CHAS. F. FORSYTH.
FRANCIS C. WALLACE.

Witnesses:

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