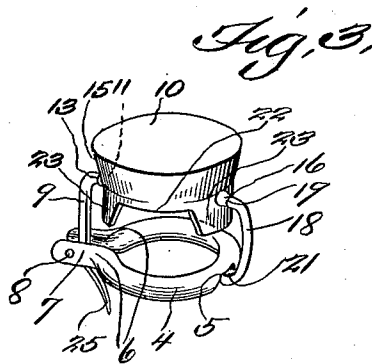
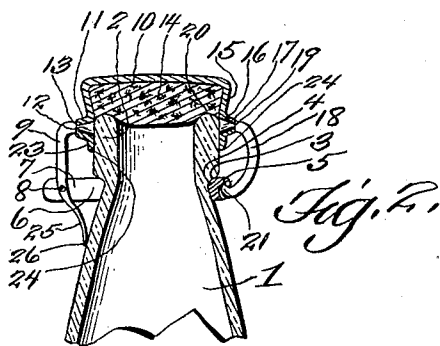
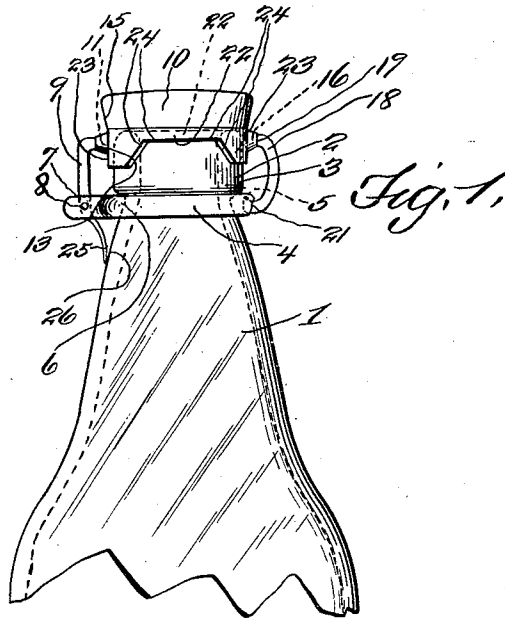


S. CANTOR.
BOTTLE CLOSURE OR CAP.
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1,065,587.

Patented June 24, 1913.



Witnesses

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UNITED STATES PATENT OFFICE.

SOLOMON CANTOR, OF PEEKSKILL, NEW YORK.

BOTTLE CLOSURE OR CAP.

1,065,587.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, SOLOMON CANTOR, a citizen of the United States, residing at Peekskill, in the county of Westchester and State of New York, have invented a new and useful Bottle Closure or Cap; and I 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.

This invention relates to a new and useful bottle closure or cap.

As one of the objects of the invention, it is the aim to provide an improved simple, cheap, desirable and practical bottle closure or cap, to be permanently carried upon the neck of the bottle, and one that will not necessitate an opener to open the closure.

Another object of the invention is to provide a closure of this nature, that may be manufactured or constructed from tin, aluminum, or a composition of tin and aluminum, or of any other suitable material, either by stamping or a drop forge method.

Another object of the invention, is the provision of three short pieces of wire so constructed and connected to the closure or cap, as to complete the entire device, in order to be permanently secured to the neck of the bottle.

One of the features of the invention is to provide a cork filler concealed in the cap or closure, adapted to engage the upper peripheral edge of the open end of the bottle, in order to properly seal the same so as to prevent the escape of the contents.

Another feature of the invention is the provision of a ring constructed from one piece of wire so constructed as to provide two lateral portions, between which an arm (constructed from one of the other pieces of wire) of the cap, is pivoted.

Another feature is that the arm is constructed with a tail portion, adapted to yieldably contact with the neck of the bottle when the cap or closure is open, so as to automatically close the cap, when a portion of the contents of the bottle has been used.

Another feature is the provision of a latch arm constructed from a third piece of wire and carried by the cap or closure, designed to engage a notch of the ring to hold the closure or cap closed.

There are disclosed in the drawings certain features of construction, but in prac-

tical fields these features may necessitate alterations, to which the patentee is entitled, provided the alterations fall within the scope of what is claimed.

The invention comprises further features and combination of parts, as hereinafter set forth, shown in the drawings and claimed.

In the drawings: Figure 1 is a view in elevation of a portion of a bottle, showing the improved cap or closure as applied. Fig. 2 is a sectional view, more clearly showing the structure, and the concealed cork. Fig. 3 is a detail perspective view of the cap or closure removed from the bottle.

Referring to the drawings, 1 designates a portion of the bottle having an enlargement 2 at its mouth portion, at the base of which enlargement the annular shoulder 3 is formed. Arranged below the shoulder 3 and in close contact therewith is an annular ring 4 having an undercut notch 5. This annular ring 4 is constructed with free portions 6 constituting ears or lugs 7, which are fastened together by the rivet pin 8. This pin 8 acts as a pivot for the arm 9, which carries the cap or closure 10. This cap or closure 10 is formed with a flanged opening 11, in which the tapering lug 12 is riveted, owing to the shoulder 13 and the formation of said lug. In this manner the cap or closure 10 is secured to the arm 9, thereby pivotally mounting the closure.

Arranged in the closure is a substantially disk shaped piece of cork 14. The side wall 15 of the cap or closure is so constructed as to prevent the downward movement of the cork, that is, displacement of the cork when the cap or closure is open. The cap or closure is provided with an additional flanged opening 16, in which the lug 17 of the latch arm 18 is riveted. In other words, because of the formation of the lug 17, in conjunction with the shoulder 19, the lug 17 and the latch arm 18 are riveted in a swiveled manner, so that after the cap or closure is once opened, the latch arm may be swung to one side out of the way of the undercut notch 5 of the ring 4. In this manner the cap or closure may be opened freely whenever it is desired. However, upon first sealing the contents of the bottle, the cap is completely closed, as shown in Figs. 1 and 2 with the cork 14 in close contact with the peripheral edge portion 20 of the outlet mouth of the bottle, after which the latch arm 18 (which is provided with a hooked

portion 21) is placed in engagement with the notch 5. In this manner the sealing of the bottle is completed.

The cap or closure 10 extends slightly down upon two opposite portions of the enlargement 2 of the neck of the bottle as shown at 22, however, only one extension 22 is shown in full lines, while the other portion is upon the far side of the enlargement, as indicated by the guarded lead line to one of the characters 22. The cap or closure 10 is provided with oppositely arranged skirt flanges 23, which extend substantially half way down the enlargement 2. It will be seen that this form of cap neatly fits the enlargement, and in such a manner as to insure perfect sealing, owing to the fact that in some instances sealing wax or the like in the form of a coating may be arranged, as indicated at 24. The hinge arm 9 terminates in a spring tail 25, which engages the neck of the bottle substantially at 26, when the cap or closure is open, in order to insure the automatic closing of said cap, which function is perfectly obvious.

It is to be ascertained that from the foregoing in conjunction with the accompanying illustrations, there has been devised an exceedingly efficient, simple, and cheaply constructed cap or closure, adaptable to any and all styles of bottles, and one which has been found particularly desirable and practical.

The invention having been set forth, what is claimed as new and useful is:—

1. In combination, a sheet metal cap or closure adapted to fit the mouth end of a bottle, a pair of arms swiveled to the cap opposite one another and suspended along the neck of the bottle, one acting as a hinge arm, while the other constitutes a latch

arm, a ring arranged on the neck of the bottle below a shoulder thereof, to which the hinge arm is pivoted, said ring having an undercut notch to be engaged by the latch arm, said latch arm adapted to be swung laterally upon its swiveled connection out of the way of the path of the notch, said hinge arm having a spring tail portion adapted to yieldably engage the neck of the bottle in order to automatically close the cap.

2. In combination, a sheet metal cap or closure having an inner cork filler adapted to fit the mouth end of a bottle, said cap having oppositely arranged tapering flanged openings, a pair of arms having tapering portions tapering toward shoulders, said portions being swivelly mounted in said flanged openings with the flanges of the openings contacting against said shoulders, one of said arms acting as a hinge arm, while the other constitutes a latch arm, a ring arranged on the neck of the bottle below a shoulder thereof, to which the hinge arm is pivoted, said ring having an undercut notch to be engaged by the latch arm, said latch arm adapted to be swung laterally upon its swiveled connection out of the way of the path of the notch, said cap, owing to its swiveled connection with the hinge arm, may be inverted when the cap is opened, said hinge arm having a spring tail portion adapted to yieldably engage the neck of the bottle, in order to automatically close the cap.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SOLOMON CANTOR.

Witnesses:

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