No. 816,244. PATENTED MAR. 27, 1906.

J. J. McGARRY.

BOTTLE CLIP.

APPLICATION FILED AUG. 30, 1905.

FIG. 1

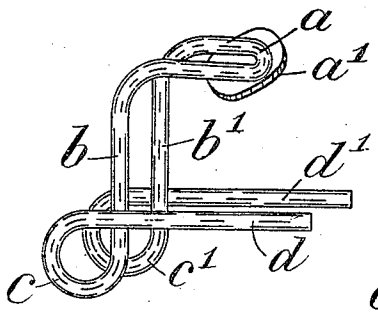


FIG. 2

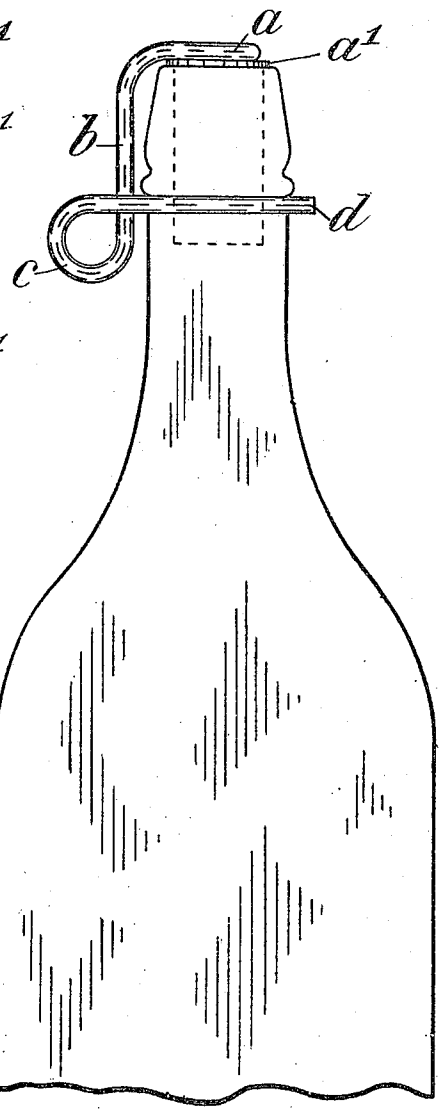
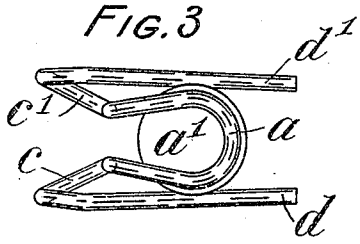


FIG. 3



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UNITED STATES PATENT OFFICE.

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BOTTLE-CLIP.

No. 816,244. Specification of Letters Patent. Patented March 27, 1906.

Application filed August 30, 1905. Serial No. 276 469

To all whom it may concern:

Be it known that I, JOHN JOSEPH McGARRY, a subject of the King of Great Britain and Ireland, and a resident of Dowling street, Redfern, State of New South Wales, Commonwealth of Australia, have invented certain new and useful Improvements in Bottle-Clips, of which the following is a full, clear, and exact description.

This invention relates to an improved clip for holding corks in bottles containing fluids undergoing treatment preparatory to final handling of the product—such, for instance, as pasteurizing or the treatment to which beer is subjected before the cork is permanently secured. It may also be used in connection with bottles after the seal and cork have been removed—as, for instance, when the product is being consumed—the improved clip serving to effectually overcome internal pressures to which the cork may be subjected and preventing the latter from being blown out, and thereby avoiding disagreeable and wasteful accidents.

To this end the invention consists in the provision of a clip adapted for use in connection with bottles provided with an annular shoulder or bead adjacent the mouth and comprising a single strip of resilient wire bent upon itself to form a cap or cork engaging loop and extending downwardly a suitable distance alongside the neck of the bottle to a point adjacent such annular shoulder or bead, whereupon it is again bent to form bottle-engaging ends, the last bend forming angularly-disposed loops, causing the bottle-engaging ends to exert an upward and inward pressure on the neck of the bottle. In the preferred form I interpose a cap between the cork and the loop, retaining the same, which cap may be permanently attached to said loop.

In the drawings, Figure 1 is a view in perspective of an improved bottle clip and cap, showing the main features of my invention, said clip being detached from the bottle. Fig. 2 is a view of a bottle, showing my improved clip attached thereto. Fig. 3 is a plan view of my improved clip.

As shown the device of my invention consists in the provision of a clip composed of a single strip of resilient wire or like material provided with a cork engaging or retaining portion, the function of said clip being to normally exert sufficient pressure on the cork to retain the same in place. An improved feature of the clip consists in forming the same in such a manner that the portions engaging the bottle are caused to exert an inward and upward pressure thereon, by means of which arrangement a single clip is rendered suitable for bottles of a relatively great variety of sizes, said bottle-engaging ends by means of this improved feature having a positive and effective engagement with the neck of the bottle, thereby effecting permanent retention of the cork as long as the clip is engaged therewith.

Referring specifically to the form shown, the same consists of a strip of wire bent upon itself to form a cap or cork engaging loop *a* and extending in a generally horizontal plane some distance laterally, whereupon it is bent downwardly at *b b'*. The length of said downwardly-bent portions is determined by the position of the annular shoulder or bead on the neck of the bottle to which the clip is applied. The wire is bent at right angles to the downwardly-extending portions *b b'* in a manner to form loops *c c'* and outer free bottle-engaging ends *d d'* extending in a generally horizontal plane on both sides of the neck of the bottle. A metallic cap *a'* may be permanently attached to the loop *a* in a manner to directly engage the cork.

The downwardly-extending portions *b b'* and the loop *a* are both within the vertical planes of the ends *d d'*, and the loops *c c'* are angularly disposed with respect to said ends. By means of this feature of construction the ends *d d'* are caused to converge from the loops *c c'* inwardly when not engaged with the bottle, and when engaged therewith they exert both an inward and an upward pressure on the usual shoulder or bead formed on the bottle-neck.

By this improved construction I am not only enabled to make a single clip serviceable for bottles of different sizes, but I avoid the necessity of connecting the portions *b b'* in order to retain a lateral gripping action of the ends *d d'* upon the bottle.

I claim—

1. An improved bottle-clip comprising a single strip of resilient wire bent upon itself to form a cap-engaging loop, the ends of the wire being bent and extending downwardly at right angles a suitable distance and again bent at right angles forming a loop in each

end, the said ends extending outwardly to engage the bottle, and a cap of flat material secured to said first-mentioned loop.

2. An improved bottle-clip comprising a single strip of resilient wire bent upon itself to form a cap-engaging loop, the ends of the wire being bent and extending downwardly a suitable distance and again bent at right angles forming a loop in each end, the said ends extending outwardly to engage the bottle, said loops being angularly disposed and causing an upward and an inward pressure of the outwardly-extending ends upon the bottle.

3. An improved bottle-clip comprising a single strip of resilient wire bent upon itself to form a cap-engaging loop, the ends of the wire being bent and extending downwardly a suitable distance and again bent at right angles forming a loop in each end, the said ends extending outwardly to engage the bottle, said loops being angularly disposed and causing an upward and an inward pressure of the outwardly-extending ends upon the bottle, and a cap of flat material secured to said first-mentioned loop.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

JOHN JOSEPH McGARRY.

Witnesses:

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WALTER SIGMONT.