Sept. 30, 1924. 1,509,949

C. HAMMER

CATCHUP CAP

Filed Jan. 6, 1923

Fig. 1.

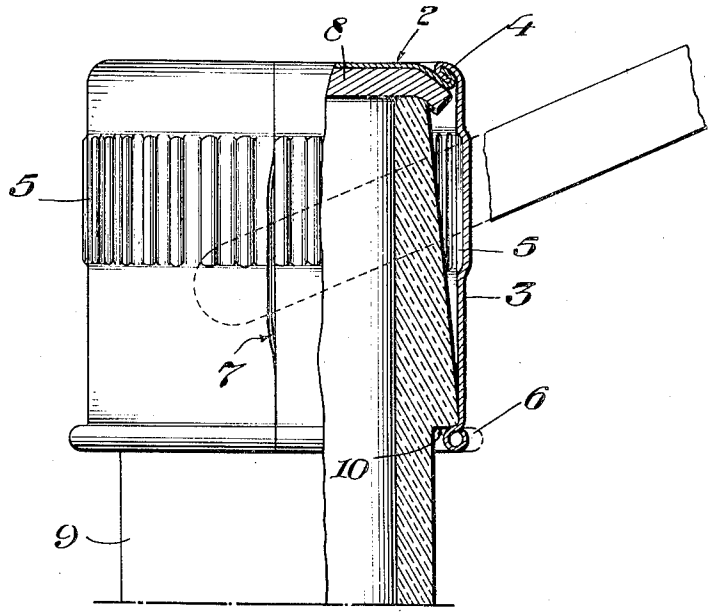
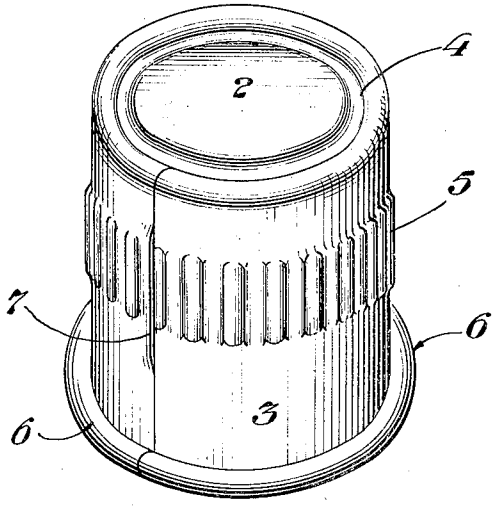


Fig. 2.



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UNITED STATES PATENT OFFICE.

CHARLES HAMMER, OF HOLLIS COURT BOULEVARD, NEW YORK.

CATCHUP CAP.

Application filed January 6, 1923. Serial No. 610,983.

To all whom it may concern:

Be it known that I, CHARLES HAMMER, a citizen of the United States, residing at Hollis Court Boulevard, in the county of Queens and State of New York, have invented certain new and useful Improvements in Catchup Caps, of which the following is a specification.

This invention relates to catchup caps, the object thereof being to provide an improved catchup cap or covering cap which will not only seal the container or bottle but may also be locked thereto.

A further object of the invention is the provision of an improved cap having an inset curled, beaded or rolled lower reinforcing edge so located with relation to the container that a coin may be inserted for the removal of the cap.

One of the further objects of this invention is the provision of a two-piece catchup cap having a relatively long depending flange or skirt provided with a rolled lower edge, whereby the cap can be made of relatively thin sheet metal, and which will both seal the container and be locked thereto and yet in one form thereof be removable and capable of reuse.

With catchup bottles it has been the usual practice to provide a closure in the form of a stopper or cap to seal the mouth of the catchup bottle and a covering closure or cap which can be subsequently used to cover the mouth of the bottle after the stopper or sealing closure has been removed but by means of the present improvement the same closure is effective to both seal the bottle and be locked thereto so that the closure forms a combined sealing and locking closure.

In the drawings accompanying and forming a part of this specification, Figure 1 illustrates this improved cap partly in section applied to a catchup bottle, the dotted lines illustrating a knife blade for removing the cap; and Figure 2 is a perspective view of the cap.

Similar characters of reference indicate corresponding parts in the drawings.

Before explaining in detail the present improvement and mode of operation thereof, I desire to have it understood that the invention is not limited to the details of construction and arrangement of parts which are illustrated in the accompanying drawings, since the invention is capable of other embodiments, and that the phraseology which I employ is for the purpose of description and not of limitation.

This improved cap in the present instance is shown comprising a top 2 and a depending relatively long flange 3, that is, a flange having a depth at least substantially equal to one-half of the diameter of the cap, the flange and top having an interlocked seam 4 thereby forming a two-piece catchup cap, the flange being provided with suitable reinforcing corrugations 5 which also facilitate the handling of the cap. The lower edge of the cap is provided with a strengthened portion in the form of a curled, beaded, rolled or rounded edge 6 formed by bending or curling the edge preferably outwardly to resemble a wire, and the depending flange has its meeting edges overlapped, and in the form shown provided with a slit or slightly projecting portion 7 to permit the insertion of a knife blade between the overlapped side edges of the flange. A suitable liner or packing 8 is provided at the top of the cap for sealing the bottle or container 9 at the mouth of crown thereof, and the bottle is provided at a relatively long distance below the mouth thereof with a shoulder 10. In the application of this cap to the catchup bottle, the curled lower edge is by suitable pressure, as by means of a machine, forced or drawn under the shoulder thereby to inset the curled edge under such shoulder whereby the cap is effectively locked or secured in position.

Thus it will be observed that this cap is both locked to the container at the shoulder and also seals the same at the top or mouth thereof. To remove the cap it is merely necessary to insert a knife blade into the slitted portion of the cap so as to twist and unhook the overlapping curled edge, whereby the cap can be readily removed. Instead of this however, the cap can also be readily removed by using a coin inserted between the curled lower edge and the bottle neck which will force the curled edge away from the shoulder and enable the cap to be withdrawn. Sufficient space is present as shown at 10, Fig. 1, between the bottle neck and the curled edge of the cap to enable the proper insertion of a coin. When this method is used it will be obvious that the cap can be readily forced back into place by the user,

thus forming a reusable cap, so that in the present improvement I have provided a simple and effective catchup cap having means for both sealing and locking or securing the cap to the bottle, thereby dispensing with a separate stopper or sealing cap and a covering cap for use after the sealing cap or stopper has been removed, the removal of which sealing cap usually mutilates or injures it, and at the same time providing a catchup cap which can by reason of the strengthening corrugations and curled lower edge be made of relatively thin sheet metal so that it will conform to the container and yet be sufficiently strong and resilient to enable it to be capable of reuse when desired.

It is to be understood that by describing in detail herein any particular form, structure, or arrangement, it is not intended to limit the invention beyond the terms of the several claims or the requirements of the prior art.

Having thus explained the nature of my said invention and described a way of constructing and using the same, although without attempting to set forth all of the forms in which it may be made, or all of the modes of its use, I claim:

1. A metal cap adapted for use with a container having a shoulder and comprising a top and a depending flange having a curled, beaded or rolled lower edge insettable under the shoulder of the container and functioning as the holding element of the cap, said curled edge being spaced from the neck of the container to permit the insertion of a coin under the container shoulder, whereby the cap may be coin removed and thereafter snapped on.

2. A two piece metal cap comprising a top and a corrugated depending flange interlocked therewith, said flange having a curled, beaded or rolled lower edge insettable under the shoulder of the container and functioning as the sole holding element of the cap, said curled edge being spaced from the neck of the container to permit the insertion of a coin under the container shoulder, whereby the cap may be coin removed and thereafter snapped on.

3. A metal cap adapted for use with a container having a shoulder spaced remotely from the top thereof and comprising a sealing top for the container mouth and a depending flange having a depth at least substantially equal to one-half the diameter of the cap, thereby forming a catchup cap, and having a curled, beaded or rolled lower edge insettable under the remotely spaced shoulder of the container and functioning as the sole holding element of the cap on the container, said curled edge being spaced from the side of the container to permit the insertion of a coin under the container shoulder, whereby the cap may be coin removed and thereafter snapped on.

4. A sealed package comprising a bottle having a shoulder, a two-piece cap comprising a top and a relatively long depending flange forming a catchup cap and interlocked with said top, said flange having a curled, beaded, or rolled lower edge forced under the shoulder of the container, and also having a sealing medium at the mouth of the container, said flange having corrugations and a slotted seamed portion for the insertion of a removing instrument.

5. A sealed package comprising a container having a shoulder spaced remotely from the top thereof, a metal cap comprising a sealing top for the container mouth and a depending flange having a depth at least substantially equal to one-half the diameter of the cap, thereby forming a catchup cap, and having a curled, beaded or rolled lower edge insettable under the remotely spaced shoulder of the container and functioning as the sole holding element of the cap on the container, said curled edge being spaced from the side of the container to permit the insertion of a coin under the container shoulder, whereby the cap may be coin removed and thereafter snapped on.

Signed at 1822–3–4 Park Row Bldg., N Y. C., this 28th day of December, 1922.

CHARLES HAMMER.