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ICE BAG CAP

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Fig. 1

Fig. 2

Fig. 3

Fig. 4

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This invention relates to a cap for an ice bag and other containers, the general object of the invention being to provide means for quickly and easily connecting the cap with the container in a water and air-tight manner by providing a resilient part on the cap which engages a resilient part on the container so that when pressure is applied to the resilient part on the cap, it will be pressed firmly and tightly against the resilient part of the container.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing our invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is an elevation of portion of a container, with the cap thereon.

Figure 2 is a vertical sectional view through Figure 1.

Figure 3 is a section on line 3—3 of Figure 2, with the clamp in closed position.

Figure 4 is a similar view with the clamp in open position.

In these views, 1 indicates the neck portion of a container which in this instance is an ice bag, but it will, of course, be understood that the invention can be used on various kinds of containers and their caps.

In carrying out our invention, we provide a ring 2, preferably of aluminum, which is fitted in the neck of the container and has a bead 3 at its lower end which acts to frictionally hold the ring in the mouth of the container. The upper edge of the ring is turned over outwardly to provide the depending flange 4 which extends parallel to the body of the ring and is spaced therefrom. Wire 5 or the like is wrapped around the neck or mouth of the container to hold the same to the ring and then a ring or band 6 of resilient material is placed over the wire to hide the same. The cap 7 is preferably formed of rubber and has its depending flange 8 arranged to engage the flange 4 of the ring. A bead 9, at the lower end of the flange 8, forms a groove at the exterior of the flange to receive the clamping ring 10 which holds the cap in place. This clamp ring has a lever 11 pivoted to one end thereof and a link 12 is pivoted to the other end and to the lever, these parts acting to expand and contract the ring on the flange of the cap. When the ring is contracted on the flange of the cap, it will press the cap firmly against the flange of the ring and thus form an air and water-tight joint between the cap and the container. By expanding the ring through movement of the lever 11 in an outward direction, pressure will be removed between the cap and the ring so that the cap can be removed from the container.

It is thought from the foregoing description that the advantages and novel features of our invention will be readily apparent.

We desire it to be understood that we may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What we claim is:

In combination with a container, a metal ring fitting in the mouth of the container, means for fastening the mouth of the container to the ring, the upper edge of the ring being bent over out wardly to form a flange which is spaced from the body of the ring and the walls of the mouth of the container, a cap having a depending flange of resilient material for engaging the flange of the ring and a clamping ring engaging the flange of the cap for pressing it against the flange of the ring.

In testimony whereof we affix our signatures.

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