Apr. 24, 1923. 1,452,971

F. E. HODES

CARBOY

Filed Aug. 15, 1922

Fig. 1.

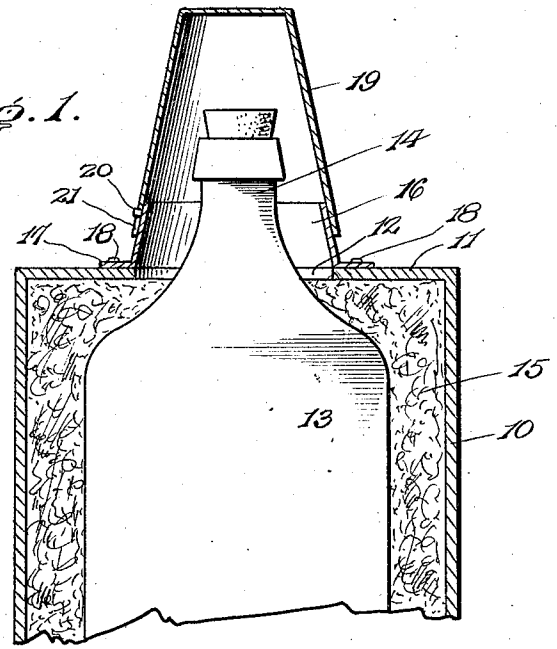


Fig. 2.

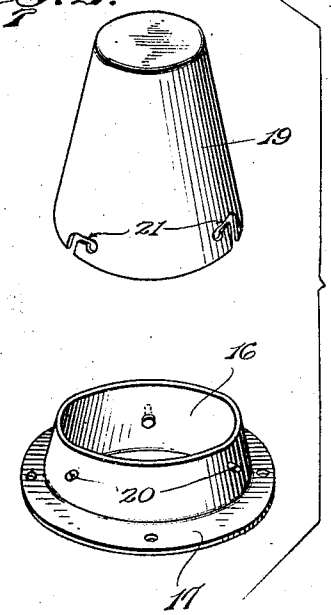
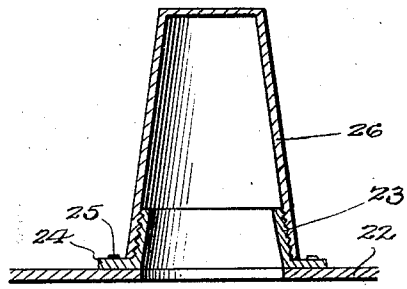


Fig. 3.



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By

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UNITED STATES PATENT OFFICE.

FRANK E. HODES, OF DENVER, COLORADO.

CARBOY.

Application filed August 15, 1922. Serial No. 582,005.

To all whom it may concern:

Be it known that I, FRANK E. HODES, citizen of the United States, residing at Denver, in the county of Denver and State of Colorado, have invented certain new and useful Improvements in Carboys, of which the following is a specification.

This invention relates to an improved carboy and seeks, as one of its principal objects, to provide a device of this character wherein the neck of the container of the device will be safely protected against injury.

The invention has as a further object to provide a carboy embodying an appropriate casing for the container and wherein a novel hood will be mounted upon the casing for housing the neck of the container.

And the invention has as a still further object to provide a device wherein the hood will embody a cap which may be freely removed to permit the filling or emptying of the container.

Other and incidental objects will appear hereinafter.

Figure 1 is a fragmentary vertical sectional view of my improved carboy.

Figure 2 is a detail perspective showing the hood employed, the cap and base ring of the hood being separated, and

Figure 3 is a detail vertical sectional view showing a slightly different embodiment of the invention.

In carrying the invention into effect, I employ a suitable casing 10 having a top wall or head 11 in which is formed a circular opening 12 and arranged within the casing is an appropriate container or bottle 13 having the usual neck 14 rising through the opening 12 in the head of the casing. Arranged about the container is an appropriate packing 15 sustaining the container out of contact with the walls of the casing.

In conjunction with the casing 10 I provide a hood for the neck 14 of the container. As shown in detail in Figure 2, this hood includes a preferably frusto-conical base ring 16 which is formed at its larger end with an annular flange 17 resting flat against the upper face of the head 11 surrounding the opening 12 therein and extending through said flange are nails or other suitable fastening devices 18 driven into the head for securing the base ring in position. Detachably mounted upon the base ring is a frusto conical cap 19 closed at its smaller end and, at its larger end snugly fitting over the base ring. As will be observed, the base ring is so proportioned that the cap will wedge thereon, thereby forming a closed joint between the cap and base ring. Projecting from said ring is a plurality of studs 20 and formed in the lower margin of the cap are bayonet slots 21 to accommodate said studs locking the cap upon the base ring. Thus, the cap will be firmly connected to the base ring for housing and protecting the neck of the container. However, by rotating the cap, as will be at once understood, the cap may be easily detached from the base ring so that the container may be readily filled or emptied.

In Figure 3 of the drawing, I have illustrated a slightly different embodiment of the invention. In this figure, the top wall or head of the casing is indicated at 22 and mounted thereon is a conical base ring 23 provided at its lower end with an annular flange 24 through which extend nails or other suitable fastening devices 25 driven into the head for securing the base ring in position as in the prior embodiment. Threaded upon the base ring is a conical cap 26 which, as will be perceived, will serve to efficiently protect the neck of a container projecting from the casing in the cap. At the same time, the cap may be readily unthreaded from the base ring and removed.

Having thus described the invention, what is claimed as new is:

In a carboy, the combination of a casing having a top wall provided with an opening, a container within the casing having a neck projecting through said opening, a base ring mounted upon said wall to surround said opening and provided with a stud, and a removable cap slipped over the base ring and provided with a slot accommodating said stud locking the cap in position.

In testimony whereof I affix my signature.

FRANK E. HODES. [L. S.]