

T. R. & J. M. HALLEY.
CONTAINER.
APPLICATION FILED FEB. 7, 1917.

Patented Mar. 5, 1918.

1,258,113.

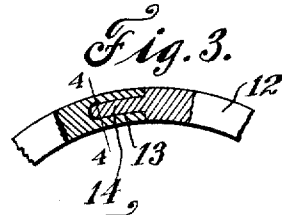
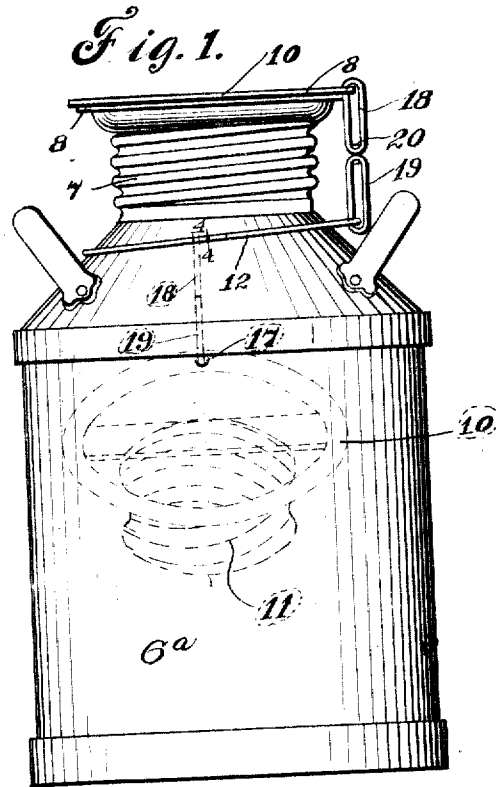


Fig. 5.

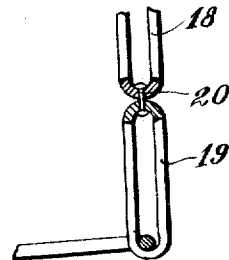


Fig. 2.

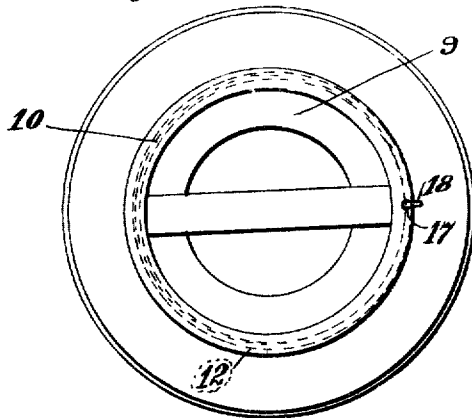
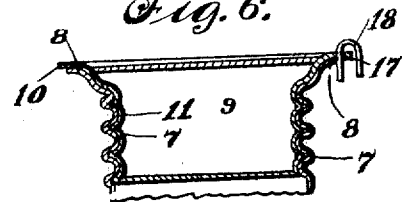


Fig. 6.



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UNITED STATES PATENT OFFICE.

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CONTAINER.

1,258,113.

Specification of Letters Patent.

Patented Mar. 5, 1918.

Application filed February 7, 1917. Serial No. 147,04.

To all whom it may concern:

Be it known that we, THOMAS R. HALLEY and JAMES M. HALLEY, citizens of the United States, and residents, respectively, of Edwardsville, Illinois, have invented certain new and useful Improvements in Containers, of which the following is a specification containing a full, clear, and exact description, references being had to the accompanying drawings, forming a part hereof.

Our invention relates to certain new and useful improvements in containers, and has for its special object means for fastening the container top or cover to the neck of the container so as to not interfere with the application of the cover to the container or its removal therefrom, and also to hold the cover in an upright position to prevent the accumulation of dirt on that portion of the cover, which is seated in the container neck, and further to permit of the cover when removed from the container to be turned in any desired position for cleaning purposes.

The further object of our invention is to construct a container cover attachment for what is commercially known as "milk cans," either provided with a screw top cover or a plain one. Said attachment may be applied when the containers are manufactured, or attached to old containers.

Referring to the drawings, Figure 1 is an elevation of what is known as a screw top container, having our invention applied thereto, the screw top being shown in dotted lines removed and swinging, or supported from the neck of the container with that portion of the top which enters the neck of the container projecting downwardly.

Fig. 2 is a top plan view.

Fig. 3 is a sectional view of a portion of the ring mounted on the container, illustrating the means we employ for connecting the ends of the ring.

Fig. 4 is a cross section taken on the line 4-4 of Fig. 3.

Fig. 5 is a fragmental view of the swivel connection employed for securing the container cover or top to the ring mounted on the container, and

Fig. 6 is a vertical section taken through the screw-threaded neck of the container and its cap.

Referring to the drawings, 6* indicates the container which may be of the ordinary construction, the same being provided with

a screw threaded neck 7 surmounted by the flaring top or rim 8.

9 indicates the container cap or cover having the usual projecting flange 10 around its top edge, and a screw threaded portion 11 adapted to be screwed into the screw threaded neck 7.

12 indicates a split ring, which is applied to the container either when the container is manufactured or afterward, the diameter of said ring being less than the flaring top 8, so that when said ring is applied it cannot be removed from the container; in other words, its removal is prevented by the flaring top 8, which is of greater diameter than the ring 12. The ring 12 is free to move upwardly and downwardly and around the screw threaded neck 7.

In Figs. 3 and 4 we have illustrated the means of connecting the ends of the ring, which is preferably accomplished, in order to provide a smooth joint, by forming the bore 13 in one end of the ring and reducing the other end of the ring to form a stud 14, which is adapted to be inserted in said bore and by forming a transverse bore 15 passing through the ring at the bottom of the bore 13. When the stud 14 has been inserted in the bore 13, the end of the stud 14 is bent or upset as at 16, the upset or bent portion of the stud 14 being positioned in the transverse bore 15. By this method, a fixed and smooth joint for connecting the ends of the ring is provided.

Formed in the flange 10 of the cap or cover is a hole 17, and in this hole 17 we secure a link 18. Mounted on the ring 12 is a link 19, which is connected to the link 18 by means of a pin 20, as illustrated in Fig. 5. There is a swivel connection between the links 18 and 19 to permit relative movements of one to the other and consequently relative movements or adjustments of the parts secured to said links.

When our invention is in use, it will be readily observed that the cap or top of the container may be readily screw seated or rotated without hindrance of the ring 12, or the swivel connection between said ring and cap—neither does the ring or swivel connection interfere in the least with the removal of the cap. When the cap has been removed and swung down, as in dotted lines in Fig. 1, it will be observed that that portion of the cap which is seated in the neck of the container is practically protected, and

by means of the swivel connection between the ring and cap the position of the cap when not in use may be reversed, and the cap may swing and lie practically up against the body of the container which minimizes space, and its liability of becoming broken loose.

By means of the loosely mounted rotating ring 12 and the flexible and swivel connection between it and the cap, it will be observed that the cap may be applied or removed easily without any hindrance by said connections; that the cap is always secured to the container when not in use and the same may be swung into any position. That is to say, the cap when not in use may be swung into any position and may be applied to the container from any position, or removed.

Having thus fully described our invention what we claim is:—

In combination with a container provided

with a screw threaded and flaring neck, a ring freely movable upwardly and downwardly and around said neck, but not removable therefrom, a link mounted on said ring, and freely movable thereon, a screw threaded cover provided with a projecting flange, a link secured to said cover, and a swivel connection between said links, whereby the cover may be applied to and removed from the container from any direction, and when removed and supported by said connections may be swung in any desired position.

In testimony whereof, we have signed our names to this specification, in presence of two subscribing witnesses.

THOMAS R. HALLEY.
JAMES M. HALLEY.

Witnesses:

R. G. ORWIG,
M. E. KLEE.