

C. RUCHTI.  
CAN.

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907,529.

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*Fig. 1.*

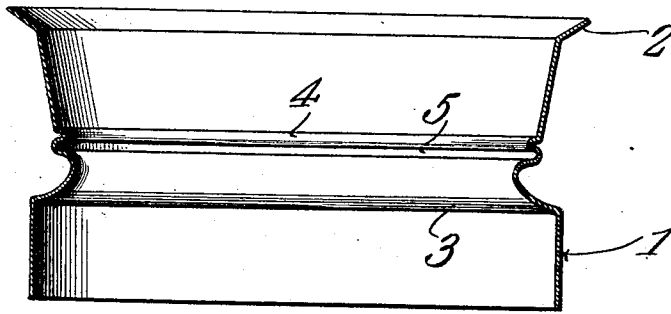
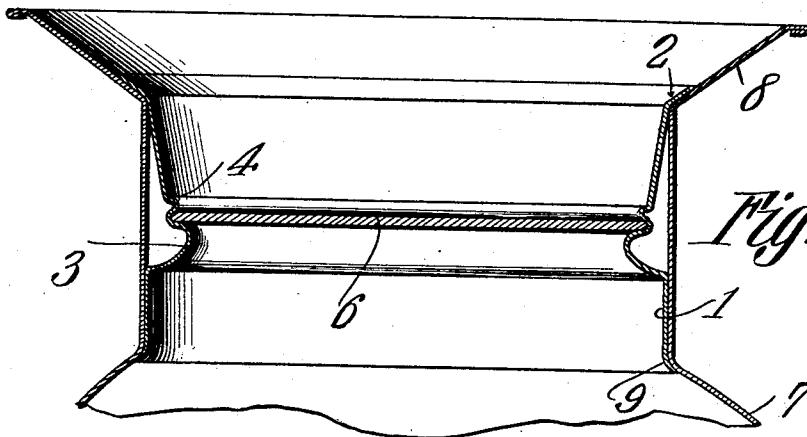


*Fig. 2.*

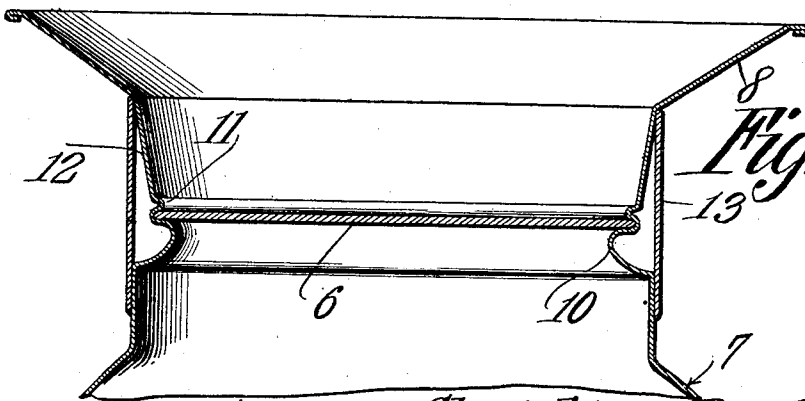


*Fig. 3.*

Witnesses

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# UNITED STATES PATENT OFFICE.

CHRISTIAN RUCHTI, OF KINSMAN, OHIO.

CAN.

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Specification of Letters Patent.

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Application filed July 22, 1908. Serial No. 444,848.

*To all whom it may concern:*

Be it known that I, CHRISTIAN RUCHTI, a citizen of the United States, residing at Kinsman, in the county of Trumbull and State of Ohio, have invented a new and useful Can, of which the following is a specification.

This invention relates to cans of that character utilized for shipping milk. Cans of this character as heretofore constructed have been provided with large metal caps or closures which, by reason of their peculiar shapes, require considerable time in cleaning them. Moreover, these closures are easily lost from the empty cans and, if returned in the mouths of the empty cans, prevent the proper ventilation of the cans, thus causing a disagreeable odor to be retained by the cans in transit and until thoroughly cleansed.

The object of the present invention is to provide means whereby the ordinary can covers or closures can be dispensed with and a closure of cardboard or similar material, which can be thrown away after once being used, substituted therefor.

Another object is to provide an attachment which can be readily secured within the necks of cans such as ordinarily used and whereby cardboard disks or the like can be utilized as closures.

With these and other objects in view the invention consists of certain novel features of construction and combinations of parts which will be hereinafter more fully described and pointed out in the claims.

In the accompanying drawings is shown the preferred form of the invention.

In said drawings: Figure 1 is a vertical section through an attachment embodying the present improvements. Fig. 2 is a similar view through the top portion of a can and showing the attachment in position therein. Fig. 3 is a vertical section through the upper portion of a can constructed in accordance with the present invention.

Referring to the figures by characters of reference, 1 designates a metallic body having its upper end flared as indicated at 2 and formed within this body are superposed annular beads 3 and 4 forming a channel 5 therebetween. The upper bead 4 is smaller than the lower bead 3 so that a disk 6 of cardboard or the like can be readily sprung thereover and into the channel 5, the bead 3 constituting a seat for the disk.

Devices such as above described are designed to be placed upon the market as arti-

cles of manufacture to be secured within the necks of ordinary milk cans, one of which has been indicated at 7 in Fig. 2. To secure the attachment in place the same is inserted into the neck of the can and its flared portion 2 is soldered onto the correspondingly flared portion 8 of the can. The lower end of the body 1 will project a short distance into the body of the can and this projecting portion is flared by means of any suitable tool, as indicated at 9, so as to lie close to the wall of the can where it merges into the neck. After the device has been secured in position in this manner the can can be sealed by means of a disk closure 6 and this closure can be discarded after once being removed.

The attachment hereinbefore described is designed for use in connection with ordinary milk cans. If desired, however, cans may be manufactured with the beads 10 and 11 formed in the necks 12 thereof, as shown in Fig. 3. In this construction an exterior reinforcing band 13 is preferably soldered or otherwise secured about the neck 12.

By providing milk cans designed to be closed by means of disks, all of the objections heretofore mentioned as being incident to the use of metal closures are eliminated. Moreover, the name of the consignee may be printed or otherwise indicated upon the disks, thus rendering it unnecessary to tag the cans as heretofore.

It will be noted that the attachment tapers from the flared portion 2 toward the bead 4 and in the construction shown in Fig. 3 a similar arrangement is preferably utilized. This greatly facilitates the positioning of a closure disk.

What is claimed is:

1. A closure retaining attachment for milk cans and the like comprising a tubular body open at its ends and spaced interior annular beads within the body, constituting closure-engaging means.
2. A closure retaining attachment for milk cans and the like comprising a tubular body open at its ends and having a flared end portion, and spaced interior closure retaining means within the body.
3. A closure retaining attachment for milk cans and the like comprising a tubular body open at its ends and having a flared end portion, and spaced annular beads within the body, one of said beads constituting a closure seat.
4. A closure retaining attachment for

milk cans and the like comprising a tubular body open at its ends and having a flared end portion, an annular seat within the body and an annular retaining device spaced from the  
5 seat.

5. The combination with a milk can or the like having a neck; of an annular seat within the neck and an annular retaining bead within the neck and spaced from the seat, said  
10 neck having a flared end and gradually decreasing in diameter from said end to the retaining bead.

6. A closure retaining attachment for milk cans and the like comprising a tubular  
15 body open at its ends, an interior annular seat within the body, an interior annular retaining device adjacent and spaced from the

seat, and reinforcing means surrounding and spaced from the seat and retaining device.

7. The combination with a milk can or the like having a neck, and a flared end on the neck; of a circular tubular body within the neck, said body having a flared end seated upon the flared portion of the neck, and a flared end engaging the inner end of the neck, 25 and spaced interior closure retaining means within the body.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

CHRISTIAN RUCHTI.

Witnesses:

A. G. BISSELL,  
F. W. FOBES.