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H. E. WRIGHT

METAL CONTAINER

Filed Sept. 11, 1923

Fig. 1.

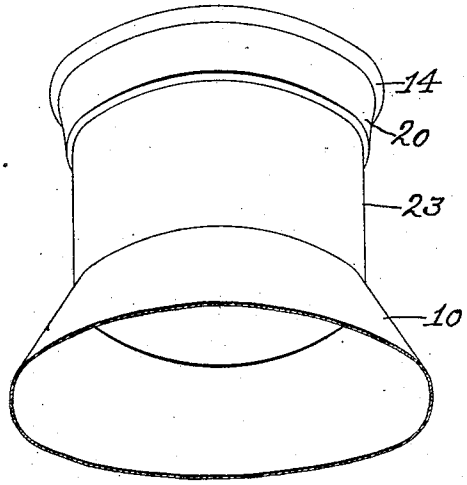
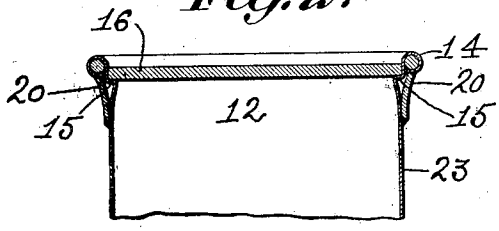


Fig. 2.



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UNITED STATES PATENT OFFICE.

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METAL CONTAINER.

Application filed September 11, 1923. Serial No. 662,054.

To all whom it may concern:

Be it known that I, HERBERT E. WRIGHT, a citizen of the United States, residing in Melrose, in the county of Middlesex and State of Massachuetts, have invented an Improvement in Metal Containers, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

This invention relates to a milk can or like metal container of the type having an open mouth adapted to be closed by a removable closure member, and has for an object to provide a novel and improved construction of such a container in which the mouth portion is reinforced to prevent it from being distorted during the use of the container by the rough handling which such containers are usually subjected to, to the end that the closure member may at all times properly fit into and seal the mouth of the container.

To this end, the mouth of the container is provided with an external reinforcing member, comprising preferably a metal band of substantial thickness and rigidity soldered or otherwise secured to the exterior of the mouth portion of the container to render the mouth sufficiently stiff to resist rough handling. The container may and preferably will comprise a sheet metal milk can of the type provided with a lip or bead surrounding the top of the mouth portion thereof, and with an internal shoulder within the mouth forming a seat for the usual paper or cardboard disk for sealing the mouth of the can, and the reinforcing member is preferably arranged to surround the mouth of the container immediately below the lip or bead and is soldered or otherwise secured to the body of the container and to the lip or bead.

These and other features of the invention will be hereinafter described and particularly pointed out in the claims at the end of this specification.

In the drawing illustrating the preferred embodiment of the invention, Fig. 1 represents in perspective a sufficient portion of a milk can to enable the invention to be understood, and Fig. 2 a vertical sectional view of the mouth of the can illustrated in Fig. 1.

Referring to the drawing, 10 represents a portion of a sheet metal milk can or like container having an open mouth 12, and provided with the usual lip or bead 14 and shoulder 15 within the mouth of the can forming a seat for the paper or cardboard disk 16 at present used in sealing the can. In order to prevent distortion of the shape of the mouth of the can, when the latter is subjected to rough handling, provision is made for reinforcing the mouth of the can, and for this purpose a metal reinforcing member 20 comprising preferably a metal band of substantial thickness and rigidity is soldered or otherwise secured to the neck portion 23 of the can in proximity to the mouth thereof. As herein shown the metal band 20 is substantially tapering in form with its end of smaller diameter soldered to the neck portion 23 of the can and with its end of larger diameter located under the lip or bead 14 and soldered or otherwise secured thereto. The metal band 20, being located in proximity to the mouth of the can and secured to the lip or bead and to the neck, acts as a strut or support for the lip or bead to take the blows upon the lip or bead 14 of the can and transmit them to the neck portion 23, thus reducing to a minimum the liability of distortion or denting of the mouth, and particularly of the shoulder 15 from their original shape and thereby maintaining the can in condition to be sealed by the closure member notwithstanding severe usage. With the construction of milk cans at present used the unreinforced lips or beads and shoulders soon become dented and so distorted in shape as to prevent proper sealing of the can by the paper or cardboard disks.

While the invention has been illustrated as embodied in a milk can in which paper or cardboard disks are used for closing the mouth of the can, it is to be understood that the invention may be embodied in containers wherein the mouth is closed by other forms of closure members. One embodiment of the invention is herein shown, but it is not desired to limit the invention to the particular construction shown.

Having thus described the invention, what is claimed is:—

1. A metal container having a mouth adapted to be sealed by a closure member therefor and provided with an outwardly extended lip or bead and a reinforcing mem-

ber upon the exterior of the container below and in proximity to said lip or bead.

2. A metal container having a mouth provided with a lip or bead and with a shoulder within the mouth forming a seat for a closure member for sealing the container, and having a reinforcing member secured upon the exterior of the mouth portion of the container below and in proximity to the lip or bead to support the latter.

3. A metal container having a mouth provided with a lip or bead and a shoulder within the mouth forming a seat for a closure member for sealing the container and having a metal band of substantial thickness and rigidity surrounding the mouth of the container and in proximity to said lip and secured to the lip and to the exterior of the mouth of the container.

4. A metal container having a neck portion provided with a mouth adapted to be sealed by a closure member therefor and having an outwardly extended lip or bead and provided with a reinforcing metal band of substantial thickness and rigidity secured to and extended around the exterior of said neck below and in proximity to the said lip or bead.

5. A metal container having a neck portion provided with a mouth having a lip or bead and a shoulder within the mouth forming a seat for a closure member for sealing the container, and having a reinforcing member for said lip or bead secured at its lower end to said neck portion and inclined upwardly away from said neck portion and secured at its upper end to said lip or bead.

In testimony whereof, I have signed my name to this specification.

HERBERT E. WRIGHT.