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2,327,411

CONTAINER

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FIG. 1.

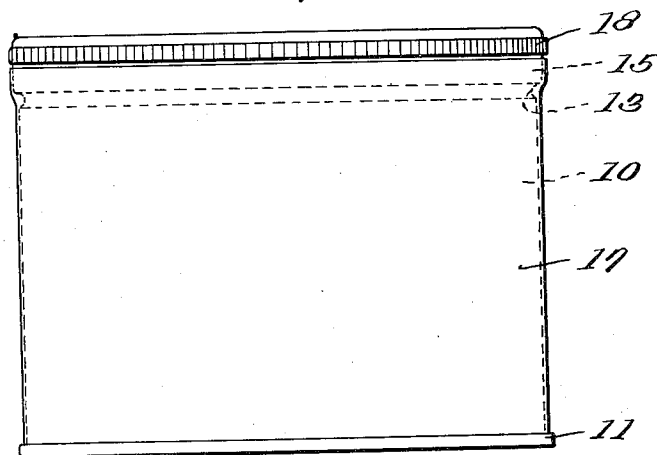


FIG. 2.

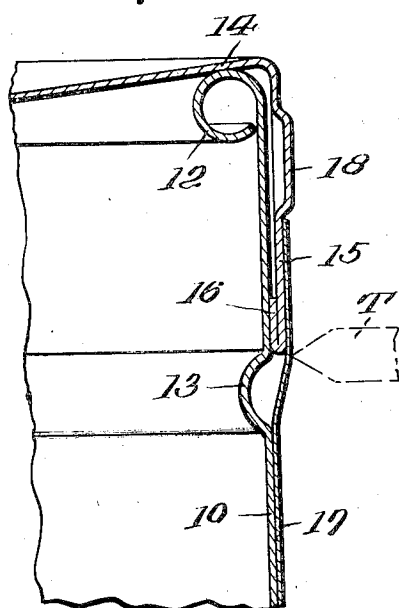
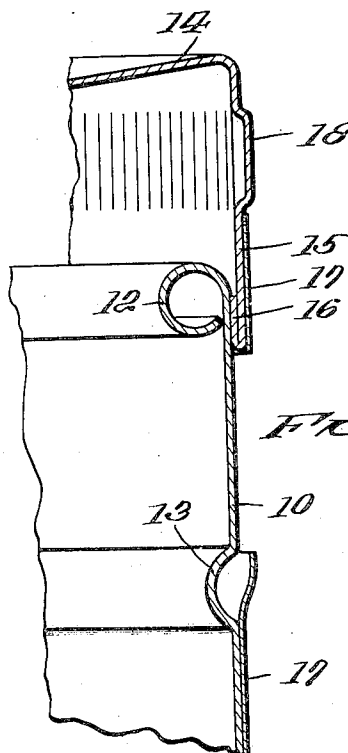


FIG. 3.



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CONTAINER

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Application May 22, 1941, Serial No. 394,720

1 Claim. (Cl. 220—42)

The present invention relates to new and useful improvements in containers, and more particularly to improvements in a sheet metal container having a closure in the form of a slip cover adapted to frictionally engage the body wall.

More specifically, the present invention contemplates the provision of a sheet metal container including a body portion and a closure in the form of a slip cover having a depending skirt or flange which is adapted to frictionally engage the outer surface of the body wall. There is provided a relatively tight and rigid friction fit between the cover and the body wall and a label is secured around the body wall and also around the cover skirt for sealing the container. A container of this type may be readily opened and closed and is practically air-tight when closed. Such a container may be used for various purposes but is particularly adapted for use in packaging coffee or other products where it is desirable to reduce the loss of volatile constituents and to thus prevent deterioration.

An object of the present invention is to provide a container of the above type which provides a relatively tight fit between the cover and the body wall and which is constructed and arranged so as to eliminate the exposure of any raw or sharp metal edges.

Another object of the invention is to provide a container of the above type wherein the cover is constructed so as to frictionally engage the body wall along a relatively narrow friction surface whereby to facilitate removal of the cover.

A further object of the invention is to provide a container of the above type having a label secured around the cover skirt and the body wall and wherein the body wall is shaped below the cover skirt so as to facilitate severing of the label in order to permit easy removal of the cover.

The above and other objects of the invention will in part be obvious and will be hereinafter more fully pointed out.

In the accompanying drawing:

Figure 1 is a side elevation showing the assembled container.

Figure 2 is an enlarged fragmentary sectional view showing the assembled container and the manner in which the label may be severed.

Figure 3 is an enlarged fragmentary sectional view, similar to Figure 2, but showing the label severed and the cover partially removed.

Referring more in detail to the accompanying drawing, the container is illustrated as including

a body wall 10 which is preferably cylindrical in shape. The bottom end of the body wall is closed by an end member 11 which may be secured thereto by a conventional double seam. The opposite end of the body wall is provided with a closed hollow bead 12 which is illustrated as being curled inwardly of the container. Below the bead 12, the body wall is shaped to provide an inwardly depressed or recessed portion 13 which extends peripherally around the container.

The closure is in the form of a slip cover 14 which is adapted to rest on the upper edge of the bead 12 and this cover includes a depending skirt or flange portion 15 which is disposed around the outside of the body wall when the container is closed. The free or bottom edge 16 on the cover flange is turned inwardly and upwardly upon itself so as to provide a double thickness of metal with the adjacent surfaces in contact with one another. Thus, the inner surface of the cover skirt 15 is spaced from the adjacent surface of the body wall and the folded edge portion 16 provides a relatively narrow rigid friction surface which is adapted to engage the body wall.

The bottom of the friction surface on the cover skirt terminates substantially at the top of the recessed portion 13 on the body wall. A label 17 is secured in any suitable manner around the outer surface of the body wall and also around the outer surface of the cover flange 15. As particularly shown in Figure 2, there is thus provided a space between the recessed portion 13 and the label 17 immediately below the cover flange 15. The label thus serves as an additional seal for the container and the upper edge of the label is disposed immediately below an outwardly knurled portion 18 on the cover flange so that this edge of the label is protected against tearing or the like.

It will be seen that the contents of the container are well protected by engagement between the cover portion 14 and the bead 12 and also by engagement between the relatively narrow friction surface 16 and the outer surface of the body wall. Furthermore, the label which is secured over the cover flange and the body wall, serves as an additional seal for the contents of the container. It will also be seen that the construction of the cover flange and top end of the body wall is such as to eliminate the exposure of any raw and sharp metal edges.

The space provided between the label 17 and the recessed surface 13 on the body wall permits inward pressing of the label in this region so that it can be severed around the bottom edge of the

cover flange. A knife T or other tool may be employed for this purpose, if desired. After the label has been severed, as shown in Figure 3, the cover may be easily removed from the container. The limited engagement between the outer surface of the body wall and the relatively narrow friction surface 16 facilitates this removal of the cover. In reclosing the container, the engagement between the cover and the bead 12, as well as the relatively tight frictional engagement between the folded friction surface 16 and the body wall, will serve to provide a substantially air-tight container.

While one form of the invention has been shown for purposes of illustration, it is to be clearly understood that minor changes in the details of construction and arrangement of parts may be made without departing from the scope of the invention as set forth in the appended claim.

I claim:

A container comprising a sheet metal body portion having the open end thereof rolled inwardly

into a hollow bead, said bead lying wholly on the inside of the wall of the container whereby the container wall at the outer upper end thereof is of uniform diameter, a metal closure member for said container having a depending skirt adapted to slip over the upper end portion of the container body, said depending skirt having the lower edge portion thereof turned inwardly and backwardly into contact with the inner face of the skirt, said inturned portion of the skirt being dimensioned so as to make tight frictional contact with the outer face of the body wall, said body immediately below the skirt of the closure member when fully seated thereon being beaded inwardly, and a label extending around the body wall and skirt of the closure member and secured thereto for sealing the container, said inwardly projecting bead providing a recess at the lower folded edge of the skirt to facilitate severing of the label along said folded edge when it is desired to remove the closure member.

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