July 5, 1932. W. F. PUNTE 1,866,224

DISPLAY PACKER'S CONTAINER

Filed July 22, 1931

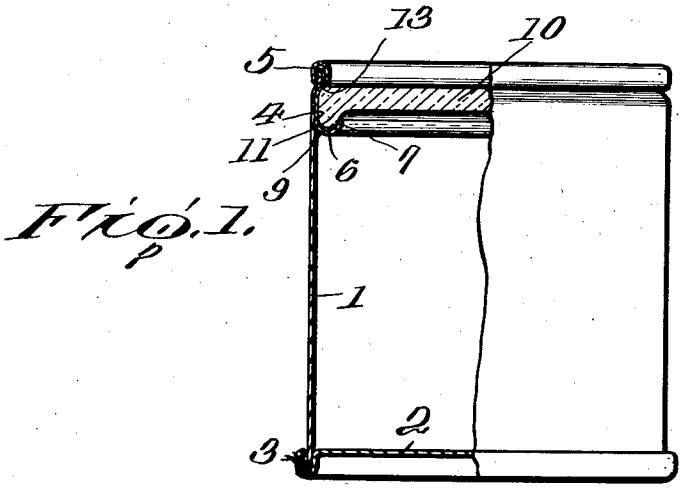


FIG. 1.

FIG. 3.

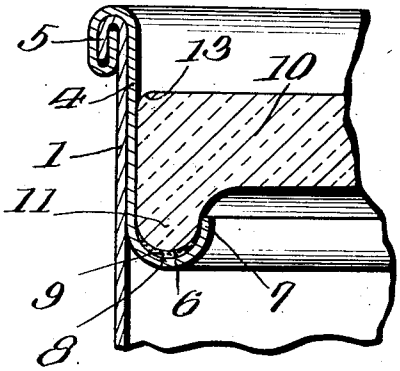


FIG. 4.

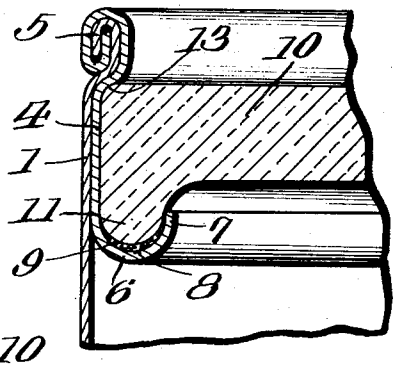
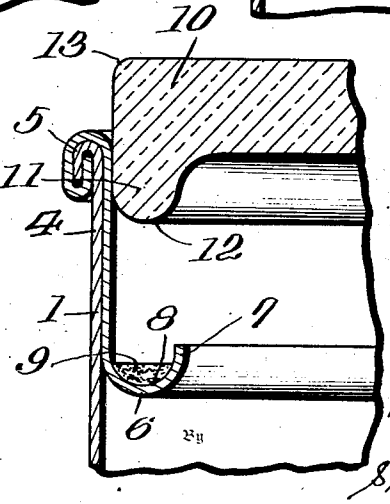


FIG. 2.



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UNITED STATES PATENT OFFICE

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DISPLAY PACKER'S CONTAINER

Application filed July 22, 1931. Serial No. 552,515.

The invention relates to new and useful improvements in a display packer's container, that is, a container in which the food product is packed for distribution and is so constructed as to display the contents of the container while it is still sealed.

An object of the invention is to provide a container of the above type wherein the closure cover is formed from a metal part, double seamed to the container body, and a transparent part which is supported by the metal part in such a way as to form an efficient tight seal for the container.

In the drawing—

Figure 1 shows a container which has been sealed and which embodies the improvements.

Figure 2 is a view showing the collar of the cover closure seamed to the container body and the transparent portion of the cover as it is being placed on the supporting collar.

Figure 3 is a similar view showing the transparent portion of the closure as seated on the collar ready for the sealing of the container.

Figure 4 is a similar view but showing the metal in the body and collar adjacent the double seam as bent inwardly over the transparent closure part for firmly forcing the same into contact with the sealing material on the seat of the supporting collar.

The invention is directed to a packer's display container. The container includes a body portion to which a bottom end has been secured by a double seam. The closure cover end for the container is of special construction. It includes a cylindrical collar portion which fits within the container body, and which is flanged and double seamed to the body of the container. This collar is provided at the lower end thereof with an inwardly and upwardly curved portion forming a seat for a plastic sealing material and for supporting a transparent panel forming a part of the closure cover. The transparent panel has a projecting annular rib on its under face at the peripheral edge thereof which is curved so as to fit the seat on the collar and is preferably of slightly larger cross sectional dimensions. The transparent closure panel has the peripheral edge at the upper face thereof curved. After the panel has been placed on the seat, the walls of the container body and collar, in the region directly beneath the double seam, are bent inwardly over the panel forcing the same downwardly into tight sealing contact with the sealing material and the seat on the collar.

Referring more in detail to the drawing, my improved container includes the body portion 1 to which the lower end 2 is secured by a double seam 3. A metal collar 4, which is preferably cylindrical and fits snugly within the container body, is flanged at its upper end and the flange is rolled together with the flange on the container body into a double seam 5. The collar 4 at the lower end thereof is curved inwardly at 6 and thence upwardly at 7 forming a seat 8. A plastic sealing material 9 is flowed onto the seat or otherwise placed thereon, thus forming a sealing gasket. The cover closure includes a panel 10 which is preferably of glass. This panel 10 is of substantially the same diameter as the inner diameter of the collar 4. Said glass panel 10 is provided with an annular rib 11 on the under face thereof and at the peripheral edge of the glass panel. The lower face 12 of this rib is curved to conform to the curvature of the seat 8 but is preferably of slightly larger dimensions. The glass panel 10 at its upper face and at the peripheral edge thereof is curved as indicated at 13.

The glass panel is inserted in the collar as shown in Figure 2 and then is forced downward until the annular bead 11 engages the seat 12. Inasmuch as the bead is of slightly larger diameter than the curvature of the seat 8 the upstanding portion 7 of the collar will engage the inner face of the annular bead and will serve as a trap for holding the plas-

tic sealing material from flowing out between the bead and this portion of the collar. The panel makes snug engagement with the inner face of the collar, and therefore the plastic sealing material is trapped on the left of the seat as viewed in Figure 3. When the panel is forced down onto this seat it will, therefore, make very tight intimate contact with the sealing material throughout the entire width of the seat. When the panel has been forced down against the seat then pressure is applied to the outer face of the double seam 5 and this will bend the metal in the body wall and also the metal in the collar directly beneath the double seam against the curved edge 13 of the glass panel, and the double seam will be placed over the glass panel in part so as to hold the glass panel firmly pressed downwardly into contact with the seat 8 on the collar. This is clearly shown in Figure 4 wherein the double seam has been shown as deflected inwardly so that the outer diameter of the double seam is substantially the same as the outer diameter of the container body. There is, therefore, substantially three thicknesses of metal overlying the glass panel and the tension of two thicknesses of metal which are firmly holding the glass panel in engagement with the seat on the collar.

It is obvious that minor changes in the details of construction may be made without departing from the spirit of the invention as set forth in the appended claims.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A display packer's container comprising a cylindrical metal container body, a bottom end double seamed to said body and a transparent closure cover end for said body including a collar fitting snugly within said container body and secured thereto at its outer end by double seaming, said collar at the lower end thereof being bent inwardly and upwardly to form a curved seat, a plastic sealing material within said curved seat and a glass panel having an annular rib on the lower face thereof at the periphery of the panel with its lower face curved so as to conform to the curvature of the seat on the collar, said glass panel fitting snugly within the collar and dimensioned relative to said collar so that the inward bending of the body wall and collar in the region beneath the double seam will force the glass panel into sealing contact with the plastic material on said seat and retain said glass panel sealed thereon.

2. A display packer's container comprising a cylindrical metal container body, a bottom end double seamed to said body and a transparent closure cover end for said body including a collar fitting snugly within said container body and secured thereto at its outer end by double seaming, said collar at the lower end thereof being bent inwardly and upwardly to form a curved seat, a plastic sealing material within said curved seat and a glass panel having an annular rib on the lower face thereof at the periphery of the panel with its lower face curved so as to conform to the curvature of the seat on the collar, said rib being of slightly larger cross sectional diameter than the cross sectional diameter of the curved seat on the collar.

In testimony whereof, I affix my signature.

WM. F. PUNTE.