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DISPENSING CLOSURE FOR CANS

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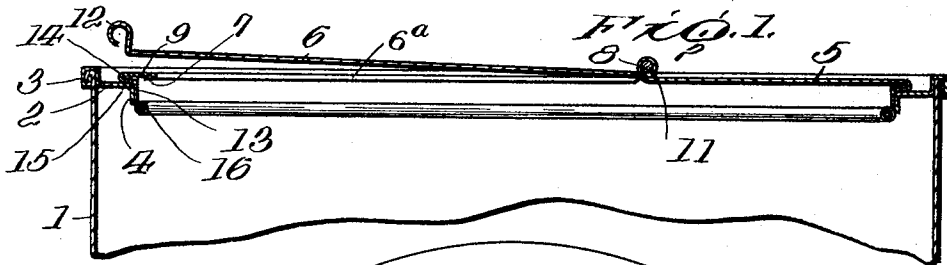


FIG. 2.

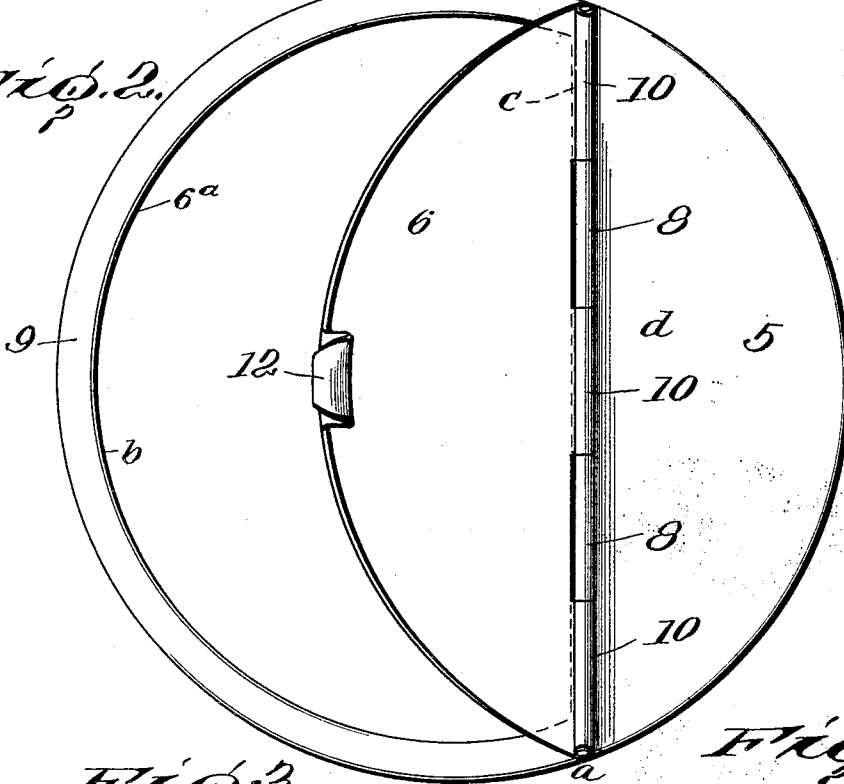


FIG. 3.

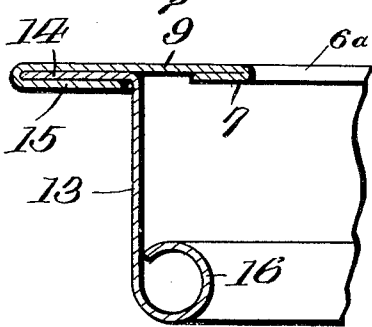
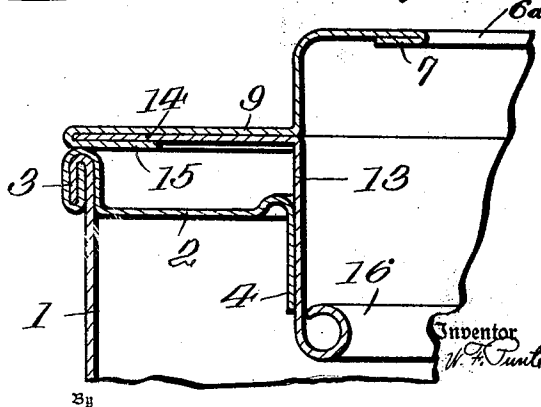


FIG. 4.



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## DISPENSING CLOSURE FOR CANS

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The invention relates to new and useful improvements in a dispensing closure for containers, that is, a closure which may be removably attached to a container after it has been opened for the purpose of providing a closure for the container with a movable section through which access may be had to the contents of the container when desired.

An object of the invention is to provide a dispensing closure wherein the top portion having an opening closed by a cover section is attached to a collar adapted to frictionally engage the friction seat on the container by an interfolding of the metal parts of the collar and the closure top so as to form a very rigid closure structure, wherein the edges are concealed and there is no necessity for the use of an extensive solder bond for joining the parts.

In the drawing:

Fig. 1 is a sectional view through the closure showing the same attached to a container.

Fig. 2 is a plan view of the closure detached from the container and with the cover partly raised.

Fig. 3 is an enlarged vertical sectional view through a portion of the closure.

Fig. 4 is a view similar to Fig. 3 but showing a slightly modified shaping of the parts so that the closure overlies the double seam.

The invention is directed to a dispensing closure for containers which is readily attached to the container after it has been opened. The dispensing closure includes a top portion having a depending flange adapted to frictionally engage the friction seat of the container after the friction plug closure has been removed therefrom. This top portion is provided with an opening which is concentric to the outer edge of the closure throughout a portion of the circumference and which has a straight side lying on a chord of the circular circumference. This opening is closed by a removable cover which is hinged to the top portion by a hinge lying along the straight side of the opening. The lower edge of the depending flange is rolled inward so as to provide a bead which strengthens the

lower edge and facilitates the attachment of the closure to the container.

Referring more in detail to the drawing, the invention is shown as applied to a container having a body portion 1 and a top portion 2 which are joined by double seaming as indicated at 3. Said top portion is provided with an opening with a depending vertical friction seat 4 surrounding the opening. This is the usual form of closure with a single friction seat. The opening of the container is closed by a friction plug cover which engages this friction seat 4. The friction plug is pried out and thus the container is opened. The present invention has particularly to do with a dispensing closure for this opening after the friction plug cover has been removed. The closure includes a top portion 5; said top portion 5 has an opening formed therethrough which is circular as indicated at *abc*, and this circular portion is concentric to the outer edge of the closure. There is also a straight side to the opening which is indicated at *a, d, a*. The edge *a, b, c* of the metal in the top forming this opening, which is indicated by the numeral 6<sup>a</sup>, is rolled downward and outward to form a bead 7. The metal in the top is also rolled upward and into an open bead or hinge lug along the straight edge and these hinge lugs are indicated at 8, 8 in the drawing.

The opening 6<sup>a</sup> is adapted to be closed by a cover 6 which is of sufficient dimensions so as to rest on the ledge 9 of the top and substantially cover the same. In other words, the outer circular dimensions of the cover are substantially the same as the outer circular dimensions of the closure. The cover is provided with upwardly hollow rolled beads or hinge lugs 10, 10. These hinge lugs are staggered relative to the hinge lugs 8 and a rod 11 passes through the hinge lugs joining the cover to the top portion of the closure. The cover has a handle 12 which may be of any desired shape. As shown in the drawing, the top portion is made separately from a depending collar 13. This collar is bent outwardly at its upper edge portion to form a horizontal flange 14. The cover is bent downwardly and inwardly underneath the

flange 14 as indicated at 15. The lower edge portion of the collar 13 is rolled inwardly and upwardly to form a bead 16. This depending collar 13 is thus rigidly attached to the top of the closure and is the means which engages the friction seat 4 on the container body.

It will be noted that the top of the closure has a smooth edge due to the fact that it is folded underneath the flange on the collar. This interfolding and connecting of the parts forms a very rigid closure structure and one where there are no exposed edges of metal. Furthermore, by this interfolding connection between the top and the collar, the portions projecting outwardly from the collar 13 may be extended so as to overly and contact with the double seam of the container as shown in Fig. 4 of the drawing. In this figure the closure top has a raised portion which brings the cover to a position above the plane of the double seam.

It is obvious that changes may be made in the construction without departing from the scope of the appended claims.

What I claim as new and desire to secure by Letters Patent is:

1. A dispensing closure for containers comprising a top portion having an opening therethrough, one side of which is a straight line, a cover hinged to said top portion along the straight side of the opening and overlying said top, a collar adapted to engage the friction seat of a container for securing the dispensing closure to the container, said collar having an outwardly bent flange at its outer edge, and said top being bent downwardly and inwardly underneath the flange for firmly joining the top to the collar.

2. A dispensing closure for containers comprising a top portion having an opening therethrough, one side of which is straight and the other side of which is curved, a cover secured to the container along the straight side of the opening and overlying the top portion, said cover and top portion having hinged lugs formed therefrom and adapted to receive a pivot rod, a collar adapted to frictionally engage the friction seat on a container body, said collar at its lower edge being rolled inwardly to form a bead, said collar at its upper edge being bent outwardly to form a horizontal flange, said top portion being bent downwardly and inwardly beneath the flange for securing said top portion to the collar.

3. A dispensing closure for containers comprising a top having an opening therethrough, one side of which is straight and the other side of which is curved, said top along said straight side being rolled upwardly to form hinge lugs lying above the plane of the top, a cover having a straight side and a curved side, said cover at said straight side having upwardly curved hinge lugs, a

pivot rod extending through said lugs and joining said cover to said top with the cover overlying the top and supported thereby when in closed position, a collar adapted to frictionally engage the friction seat on a container body, said collar at its lower edge being rolled inwardly to form a strengthening bead, said collar at its upper edge being bent outwardly to form a horizontal flange and said top portion being bent downwardly and inwardly beneath the flange for securing the top to the collar.

In testimony whereof, I affix my signature.

WM. F. PUNTE.