

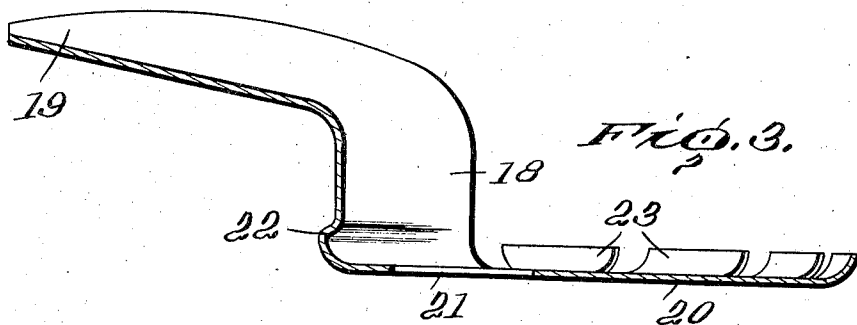
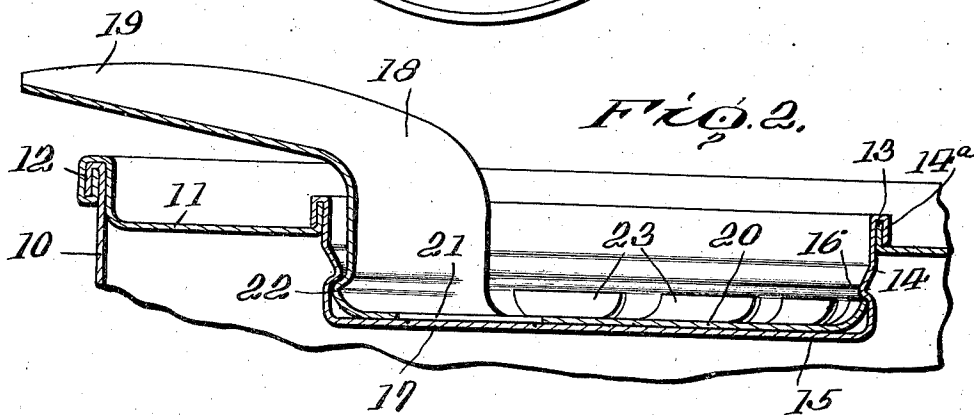
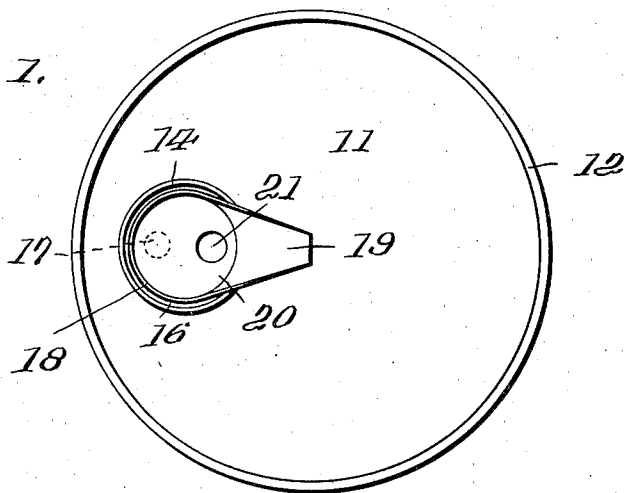
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CONTAINER AND DETACHABLE SPOUT

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FIG. 1.



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CONTAINER AND DETACHABLE SPOUT

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2 Claims. (Cl. 221-19)

The present invention relates to new and useful improvements in dispensing containers, and more particularly to improvements in a container having a closure and a pouring spout adapted to be attached thereto for dispensing the contents of the container.

An object of the invention is to provide a container of the above type wherein the container is provided with a bung closure having inwardly directed holding means, and wherein the pouring spout is provided with means adapted to be disposed beneath and engageable with the holding means on the closure for rotatably and detachably securing the spout thereto.

A further object of the invention is to provide a container of the above type, wherein the bung closure is provided with an inwardly directed bead and a scored portion adapted to provide a dispensing opening, and wherein the spout is provided with a pouring lip and a sealing portion provided with upwardly extending resilient lugs engageable beneath the bead on the closure for rotatably and detachably securing the spout thereto.

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 top plan view of the container with the pouring spout turned to a closed position.

Figure 2 is an enlarged fragmentary sectional view of the container showing the pouring spout turned to a dispensing position.

Figure 3 is an enlarged detailed view of the pouring spout.

Referring more in detail to the accompanying drawing, one form of the invention is shown for purposes of illustration. In this form of the invention, there is shown a container having a cylindrical body portion 10 to which a can end 11 is secured by the usual double seam 12. It is to be clearly understood that the body portion of the container may be of any configuration and that the can end 11 may be secured thereto in any suitable manner. The can end 11 is provided with an upstanding neck portion 13 which extends around the edge of a filling opening therein.

A cup-like bung closure for closing the filling opening in the can end 11 is provided, and this closure includes a vertical wall portion 14 and a bottom wall portion 15 which is illustrated as being disposed within the body portion of the container. The free edge 14a of the vertical

wall portion 14 is shaped to overlie and engage the neck portion 13 on the can end 11. It is to be clearly understood that the closure may be secured to the neck portion 13 in any suitable manner. The vertical wall portion 14 on the closure is provided with an inwardly extending bead 16 which is spaced upwardly from the bottom wall 15. The inward bead 16 provides a holding ledge or flange for removably and rotatably securing a pouring spout thereto in a manner to be herein- after more fully pointed out. The bottom wall portion 15 of the closure is provided with a scored portion 17 which may be punched through to provide a dispensing opening.

A pouring spout 18 is constructed so that it may be removably and rotatably attached to the closure. The spout 18 is provided with a pouring or dispensing lip 19 and with a bottom sealing wall portion 20. The wall portion 20 of the spout 18 is provided with an opening 21 which may be brought into and out of register with the dispensing opening formed in the bottom wall 15 of the closure so as to control the dispensing of the contents of the container. The portion of the spout 18 beneath the pouring lip 19 is provided with an outwardly extending bead 22 which is adapted to fit beneath and engage with the bead 16 on the closure. The sealing wall portion 20 of the spout 18 is provided with a plurality of upwardly extending curved lugs 23. These lugs 23 are separated from one another by slots and are shaped so as to snugly fit beneath and to engage with the bead 16 on the closure. The lugs 23 are inherently resilient so as to permit the spout to be attached to and removed from the closure.

When the container has been filled and the closure seamed thereto, the pouring spout 18 may be either attached directly to the closure, or it may be furnished separately for subsequent attachment thereto when it is desired to open the container by punching the scored portion 17 so as to dispense the contents thereof. In attaching the spout to the closure, it is forced inwardly thereof so that the resilient holding lugs 23 will pass over the inner edge of the bead 16 and snap beneath the bead, as shown in Figure 2. Thus, the holding lugs 23, together with the outward bead 22 on the spout portion, maintain the spout in position on the container and permit rotation of the spout relative to the closure.

When it is desired to dispense the contents of the container, the spout 18 is turned to the position shown in Figure 2. In this position of the spout, the opening 21 in the sealing wall 20 of the

spout is in register with the scored portion 17 on the bottom wall 15 of the closure. Thus, the scored portion 17 may be punched through to provide aligned openings through which the contents of the container may be poured. When, however, the spout is located at the position shown in Figure 1, the opening 21 in the spout is out of register with the opening in the bottom wall of the closure so that the remaining portion of the wall 20 of the spout will overlie and close the opening 17 in the closure.

When the container is empty, the spout 18 may be removed from the closure and used again with another container of the same general type, thus obviating the necessity of providing a separate and permanently attached spout with each container.

While one form of the invention has been shown and described 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 claims.

We claim:

1. A container comprising a body portion, a container end secured to said body portion and having a filling opening therein, a closure for the filling opening having a bottom wall and a depending side wall fitting within the filling opening, the said side wall of said closure being secured to the container end around the filling opening therein and having an inwardly extending bead spaced above the said bottom wall, the bottom wall of said closure having a scored portion adapted to provide a dispensing opening, and a spout having a sealing portion disposed in contact with the bottom wall of said closure and having a pouring lip connected to a portion of the

edge of said sealing portion, the remaining portion of the edge of said sealing portion having a plurality of upwardly and outwardly extending resilient holding lugs adapted to engage beneath the bead on said closure for removably and rotatably attaching the spout to the closure, and said sealing portion having an opening adapted to be brought into and out of register with the dispensing opening in the bottom wall of said closure.

2. A container comprising a body portion, a container end secured to said body portion and having a filling opening therein, a closure for the filling opening having a bottom wall and a depending side wall fitting within the filling opening, the said side wall of said closure being secured to the container end around the filling opening therein and having an inwardly extending bead spaced above the said bottom wall, the bottom wall of said closure having a scored portion adapted to provide a dispensing opening, and a spout having a sealing portion disposed in contact with the bottom wall of said closure and having a pouring lip connected to a portion of the edge of said sealing portion, said spout having an outward bead in the region of the connection between the lip and the sealing portion for engaging beneath the bead on said closure, the remaining portion of the edge of said sealing portion having a plurality of upwardly and outwardly extending resilient holding lugs adapted to engage beneath the bead on said closure for removably and rotatably attaching the spout to the closure, and said sealing portion having an opening adapted to be brought into and out of register with the dispensing opening in the bottom wall of said closure.

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