

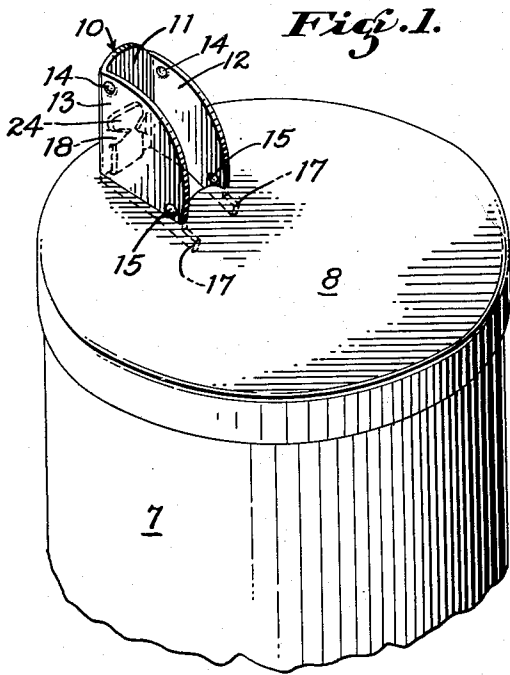
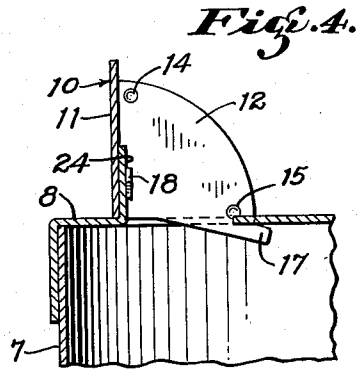
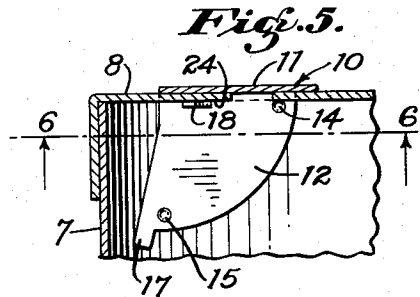
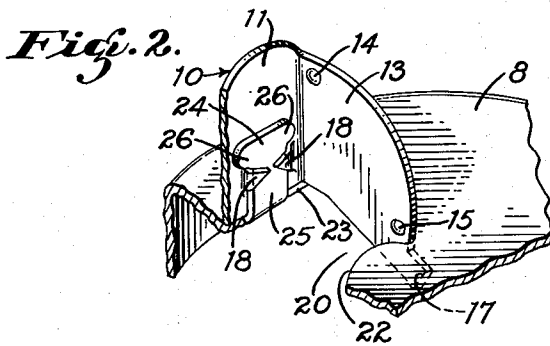
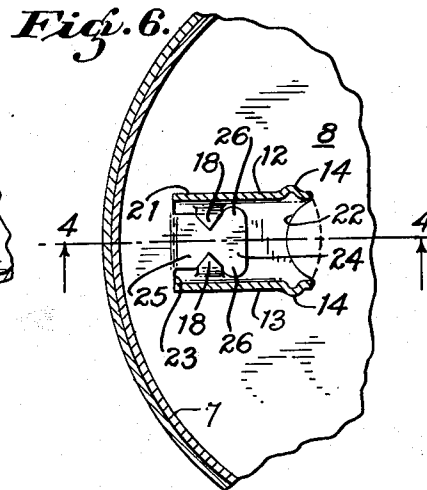
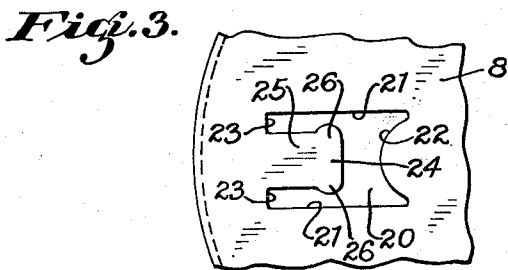
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2,069,738

CONTAINER SPOUT

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2,069,738

CONTAINER SPOUT

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6 Claims. (Cl. 221-11)

My invention relates to improvements in spout type closure means for containers.

In the type of closure for containers which when opened forms a pouring spout for pouring out the contents of the container, difficulty is experienced in satisfactorily attaching the spout to the container wall so that it cannot be pulled off. The problem confronting the manufacturer has been to remedy this unsatisfactory condition without materially increasing the cost of manufacture.

It is an object of my invention to provide a closure spout for containers which is inexpensive to make, easy to operate and yet will not get out of order.

A further object of my invention is to provide novel means of construction whereby the spout cannot pull off at its point of attachment to the container.

Other objects and advantages of my invention will be apparent during the following description.

In the drawing forming a part hereof:

Fig. 1 is a perspective view showing the spout in open position attached to the lid of a container.

Fig. 2 is a perspective view like Fig. 1 with the parts partially broken away.

Fig. 3 is a top plan view showing construction of the container wall before the closure spout is attached.

Fig. 4 is a side sectional view taken on the line 4-4 of Fig. 6 showing the spout in open position.

Fig. 5 is like Fig. 4 showing the spout in closed position, and

Fig. 6 is a view taken on line 6-6 of Fig. 5.

In Fig. 1 is shown a container 7 such as is usually employed in packaging salt, sugar and similar materials, the container having a top 8 in which is positioned closure spout 10. The closure spout 10 is made of one piece of material, preferably thin metal and formed as shown and consists of a top 11 and arcuately shaped sides, 12 and 13. Formed in the sides 12 and 13 are two sets of outwardly disposed nipples 14 and 15. Also formed as a continuation of the arcuately shaped sides 12 and 13, opposite the top 11, is a pair of stops 17. A pair of ears 18 is punched out of the top 11 and serve as a means for attaching the spout to the container top 8.

The top 8 of the container is perforated as shown in Fig. 3 to form a discharge opening 20. The discharge opening comprises sides 21, ends 22 and 23, and an integral tongue 24 which extends from end 23 about half of the distance

towards end 22. The integral tongue 24 is made up of a shank portion 25 and enlarged end portions or anchor tabs 26. The base of the shank portion 25 of tongue 24 forms the hinged connection between the spout 10 and container wall 8.

Closure spout 10 is adapted normally to close the discharge opening 20 (see Fig. 5). The ears 18 formed in spout top 11 (Figs. 1, 2 and 6) are constructed to clamp the shank portion 25 of the integral tongue 24 between themselves and top portion 11. The ears 18 are so positioned with relation to the anchor tabs 26 of tongue 24 that when the ears 18 are bent downwardly onto the tongue they clamp the tongue firmly between themselves just in back of tabs 26. Considerable looseness can develop between the ears 18 and the tongue 24 and yet the spout 10 cannot slip off the tongue. The spout 10 is locked on the tongue 24 by the tabs 26.

The arcuately shaped sides 12 and 13 of the closure spout 10 are constructed to press gently against sides 21 (Figs. 1 and 3) of the container wall opening 20. When the closure spout is in full open position (Figs. 1, 2 and 4) nipples 15 serve to keep the spout in place and stops 17 keep the spout sides from pulling out of the opening 20. Stops 17 and nipples 15 act together to maintain the spout in full open position. When closure spout 10 is in closed position nipples 14 press gently against sides 21 to hold it in this position.

It is to be understood that the form of my invention, herewith shown and described, is to be taken as a preferred example of the same, and that various changes in the shape, size and arrangement of parts may be resorted to, without departing from the spirit of my invention, or the scope of the subjoined claims.

Having thus described my invention, I claim:

1. In a closure means for containers adapted to serve both as a pouring spout and as a closure, the combination of, a wall of said container having a perforation therein, a tongue attached to said wall, said tongue being characterized by a shape which is narrower at its base than at its end, a closure member adapted to fit in said perforation, and means for attaching said closure member to said tongue on its narrower portion.

2. In a closure means for containers adapted to serve both as a pouring spout and as a closure, the combination of, a wall of said container having a perforation therein, a tongue attached to said wall and projecting into said perforation, said tongue being characterized by a shape which

is narrower at its base than at its end, a closure member adapted to fit in said perforation, and means for attaching said closure member to said tongue on its narrower portion.

- 5 3. In a closure means for containers adapted to serve both as a pouring spout and as a closure, the combination of, a wall for said container having a perforation therein shaped to form a tongue which projects into the perforated area, 10 said tongue having an enlargement near its end, a closure member having a top and side portions, and means on said top portion for attaching it to said tongue between its enlarged end and point of attachment to said wall.
- 15 4. In a closure means for containers adapted to serve both as a pouring spout and as a closure, the combination of, a wall for said container having a perforation therein shaped to form a tongue which projects into the perforated area, 20 said tongue having an enlargement near its end, a closure member having a top and side portions, and lugs on said top portion for attaching it to said tongue between its enlarged end and point of attachment to said wall.
- 25 5. The combination of a container having a discharge opening in one wall thereof, said wall having an integral tongue projecting into said opening, said tongue having a shank portion and an enlarged end portion, and a spout adapted to 30 close said opening formed with opposite spaced ears to clamp said narrow shank portion of said

tongue to said spout whereby the latter is hingedly connected to said container.

6. The combination of a container having a discharge opening in one wall thereof, said wall having an integral tongue projecting into said opening, said tongue having a narrow shank portion and an enlarged end portion, a spout adapted to fit in said opening, said spout comprising a top, a pair of opposite spaced ears in said top, two arcuate sides, a projecting piece extending outwardly beyond the arc of each of said arcuate sides, said projections being positioned opposite said aforementioned top portion, a pair of outwardly disposed nipples in each of said arcuate sides, one nipple in each arcuate side being positioned below said aforementioned top portion of said spout, and the other nipple in each arcuate side being positioned above said outwardly extending projecting piece of each arcuate side, said spout being connected to said tongue by slipping the shank portion of said tongue between the aforementioned ears and bending the ears downwardly onto said narrow shank portion of said tongue, whereby said spout is hingedly connected to said container, and the enlarged end portion of the integral tongue retains the spout on the tongue regardless of whether there is a tight frictional fit between said ears and said narrow shank portion.

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