

July 5, 1927.

1,635,122

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DISPENSING CONTAINER SEALING DEVICE

Original Filed Dec. 21, 1921

Fig. 1.

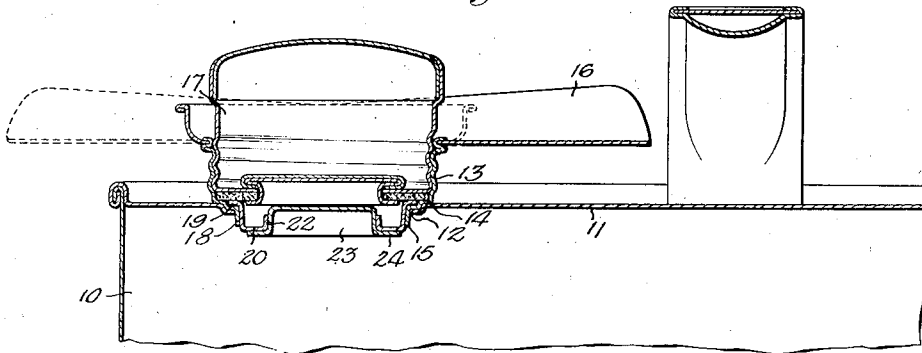


Fig. 2.

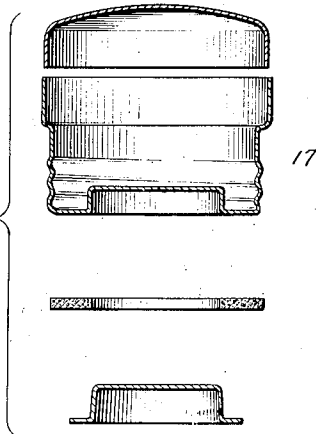
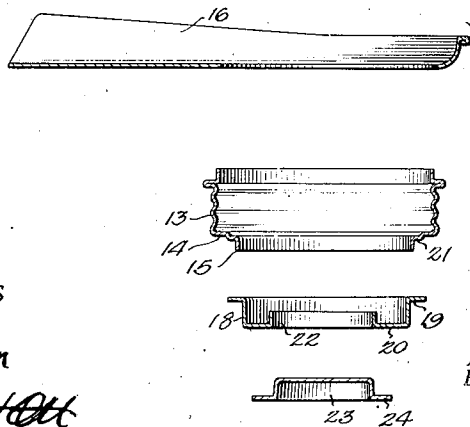


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

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DISPENSING-CONTAINER SEALING DEVICE.

Original application filed December 21, 1921, Serial No. 523,949. Divided and this application filed January 5, 1924, Serial No. 684,615. Renewed April 8, 1927.

This invention has relation to a sealing device for dispensing containers, the same being a divisional application of my co-

5 pending application Serial No. 523,949.
The outstanding object of the present invention is to provide a means for preventing spurious refilling of a container which after the container is originally filled with the sealing device in place, allows access thereto
10 only by the forcing of the seal inwardly of the container.

As a further object the invention resides in the particular construction and arrangement of parts, whereby after the seal has
15 been broken, a closure plug is insertable in place to constitute a very tight and effective seal for the prevention of the spilling of the contents.

As a still further object the invention resides in a sealing device of the character set forth which is extremely simple in its construction, inexpensive to manufacture
20 and apply, and which is thoroughly reliable and highly efficient in its purpose.

25 With the above recited and other objects in view, the invention resides in the novel construction set forth in the following specification, particularly pointed out in the appended claim and illustrated in the accompanying drawings, it being understood that the right is reserved to embodiments
30 other than those actually illustrated herein to the full extent indicated by the general meaning of the terms in which the claim is
35 expressed.

In the drawings—

Figure 1 is a partial vertical sectional view through a container equipped with a sealing device constructed in accordance
40 with the invention.

Fig. 2 is a collective sectional view of the essential elements of the plug portion of the closure.

45 Fig. 3 is a similar view of the parts included in the neck, spout and sealing device.

Referring to the drawings by characters of reference, 10 designates a tubular receptacle having a covering wall 11 at its upper end which is formed with an aperture or
50 outlet opening 12. The closure comprises an interiorly threaded neck piece or shell 13 which is provided with an annular inwardly

projecting flange 14 at its lower end having a downwardly projecting annular boss 15 to the inner edge of said flange 14, the said
55 boss 15 projecting into the outlet opening 12 and said neck being soldered or otherwise permanently associated with the top wall 11 of the container body. A suitable pouring spout 16 is rotatably attached to the upper
60 end of the neck piece, and a removable closure plug 17 is adapted to be threadedly engaged within the neck.

In order to provide a sealing means at the inner or lower end of the neck piece which
65 serves to prevent spurious refilling of the can after the original contents have been dispensed, an annular member 18 having an outturned horizontal flange 19 at its upper end and an inturned horizontal flange 20 at
70 its lower end is soldered or otherwise permanently secured within the lower end of the neck piece, the flange 19 being imposed upon the offset portion 21 at the juncture of the
75 flange 14 with the boss 15, while the annular body portion 18 of said member snugly fits within the boss 15. The lower inwardly projecting flange 20 is provided with an upturned tapered boss 22 which defines an
80 outlet opening and a seat for the sealing plug 23 which consists of an inverted tapered cup-shaped body having a marginal outwardly projecting annular flange 24 at its lower end. The sealing plug when seated
85 in the boss or seat 22 effectually seals the outlet of the container 10 after the original contents have been introduced and can only be displaced by forcing of the same inwardly and allowing the same to drop into the container body from which it can never be
90 removed. After the sealing plug has been initially displaced the closure plug 17 is then employed.

I claim:

In a sealing device for a container provided with an opening, a tubular member of
95 sheet metal forming a discharge neck, said member being formed with a section at one end fitting into said opening, a sheet metal member presenting a seat member formed
100 with a tubular portion extending through said opening but within the section on said neck, a tapering boss presenting a seat and a flange overlapping part of said section,

means for securing said flange to said neck, neck being formed with threaded side walls
a sealing plug formed with an annular and a removable threaded plug adapted to
flange, said sealing plug co-acting with said be screwed into said neck for closing the 10
seat for closing the same, said sealing plug opening in said container when said sealing
being positioned with the flange internal of plug is removed.
said seat whereby the sealing plug can only
be removed by being pushed inwardly, said

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