March 20, 1951 E. E. MURRAY 2,546,040

SPLASH GUARD FOR CONTAINERS

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Fig. 1.

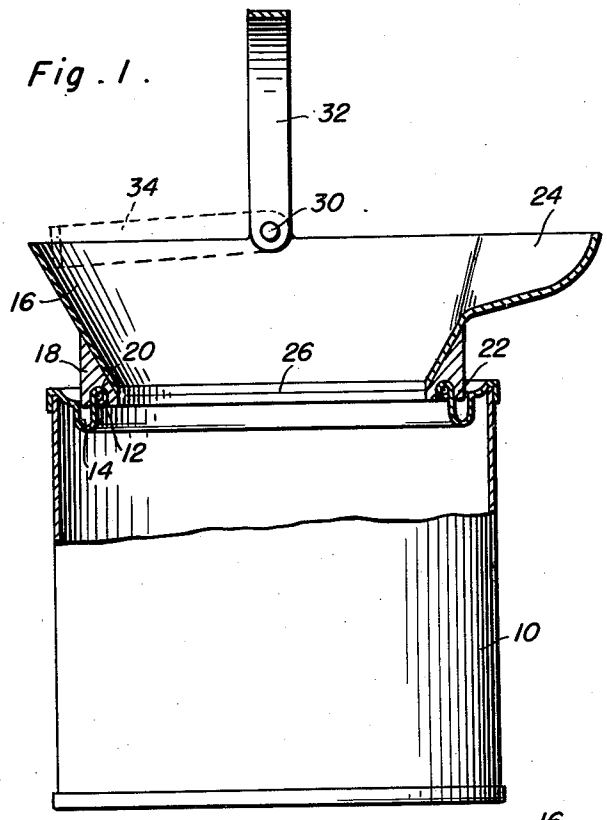
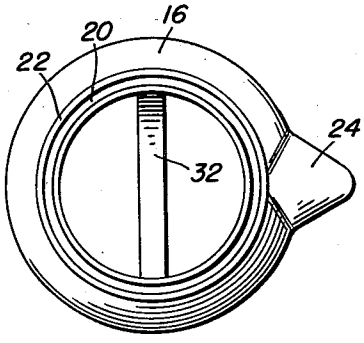


Fig. 3.



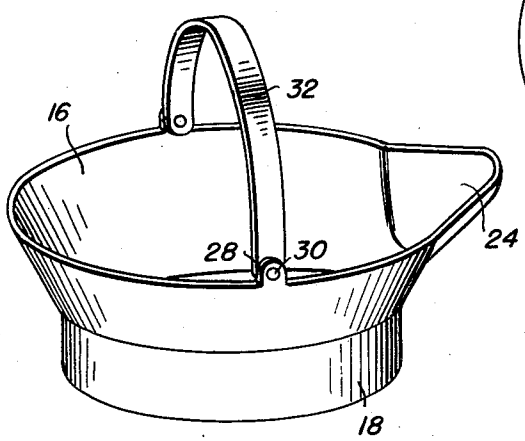


Fig. 2.

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SPLASH GUARD FOR CONTAINERS

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3 Claims. (Cl. 222—570)

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This invention comprises novel and useful improvements in a splash guard for containers and more specifically pertains to a filling, pouring, and handle attachment which may be applied to the cover receiving channels of certain types of containers to enhance their use.

The principal object of this invention is to provide improved means for filling containers, for dispensing the contents thereof, for transporting the containers, and which may be readily applied to and removed from existing conventional closure constructions of containers.

An important feature of the invention resides in the provision of an attachment constituting a funnel and having improved means for securing the attachment to the top of conventional containers.

A further feature of the invention resides in the provision of an attachment as set forth in the preceding paragraph wherein the attachment is provided with means for frictionally gripping the closure rim of conventional containers for detachable engagement therewith.

A further feature of the invention comprehends the provision of an attachment as set forth in the foregoing features including the provision of an integral pouring spout and a handle structure by means of which the contents of the container may be easily dispensed and the container itself may be rendered more portable and convenient to handle by the user.

These, together with various ancillary features and objects of the invention which will later become apparent as the following description proceeds, are attained by this device, a preferred embodiment of which has been illustrated by way of example only in the accompanying drawings, wherein:

Figure 1 is a side elevational view, parts being broken away and shown in section, illustrating the construction of the attachment and the manner of applying the same to the closure opening of a conventional container;

Figure 2 is a perspective view of the attachment; and

Figure 3 is a bottom plan view of the attachment.

Referring now more specifically to the accompanying drawings wherein like numerals designate similar parts throughout the various views, there is indicated in Figure 1 a container 10 in the form of a can of a conventional and known type which is provided with an annular, beaded or inturned rim 12 surrounded by an annular groove or channel 14, adapted to co-

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operate with an annularly flanged or beaded can top, all of a conventional design.

The purpose of this invention is to provide an attachment which may be easily applied to or removed from such containers or cans, and for this purpose there is provided an upstanding, funnel-like body portion 16 of sheet metal or any other suitable material, and preferably having outwardly and upwardly flaring walls, as shown in Figure 2, the lower and exterior surface of the member 16 having an annular, downwardly extending flange or collar 18, in the lower edge of which is provided an annular groove 20 adapted to frictionally embrace and receive the bead or rim 12 of the top of the can 10. It is further contemplated that the member 18 shall have an annular flange or portion 22 positioned exteriorly of the annular groove 20, which portion 22 is adapted to extend into and, if desired, may engage, in guiding or frictional relation, the side walls of the groove 14 in the can top to augment the frictional gripping engagement of 12 and 20.

As will thus be seen, the funnel-like member 16 may be pressed upon the top of the can and by reason of the frictional engagement of the bead 12 in the groove 20, and if desired of the portion 22 in the groove 14, may establish a snug and secure but detachable connection with the can, whereby the funnel is held in position and whereby the can may be supported or handled as a unitary structure.

At any convenient position upon the body 16, a portion thereof is flared outwardly to form a pouring spout or lip 24 by means of which the contents of the can may be discharged, by way of the throat 26 of the attachment, which throat freely communicates with the interior of the can 10, as shown in Figure 1.

At suitable points upon its upper portion, the funnel-like member 16 has upwardly extending lugs 28, see Figure 2, to which is pivotally connected as by rivets or bolts 30, an arcuate bail or handle 32 by means of which the accessory may be handled and by means of which the can, when attached thereto, may likewise be manipulated.

As shown in dotted lines at 34 in Figure 1, this handle may be folded down into the interior of the funnel-like member 16 to render the device more compact as when the attachment is to be separately stored or transported or the can is not to be used.

From the foregoing, the manner of constructing and operating the device will be readily under-

stood and further explanation is believed to be unnecessary.

However, since numerous modifications and equivalents will readily occur to those skilled in the art after a consideration of the foregoing specification and accompanying drawings, it is not desired to limit the invention to the exact construction shown and described, but all suitable modifications and equivalents may be resorted to falling within the scope of the appended claims.

Having thus disclosed and described the invention, what is claimed as new is as follows:

1. An attachment for a container having an upper wall with a concentric groove and bead for receiving a container closure, comprising; an annular member having an upstanding, enclosing wall, said member having an upper opening and a lower opening communicating with the interior of a container, said wall having a channel therein for frictionally receiving and gripping, throughout its entire circumference, the bead of the container, said wall being upwardly and outwardly flaring to constitute a funnel, a pouring spout comprising a portion of said wall, lugs on the upper portion of said wall, a handle pivoted to said lugs and foldable into the interior of said can.

2. A handle, funnel and spout attachment for a container of the type having an upper wall with a concentric groove and bead for receiving a container closure, comprising; an annular member having a channel therein for frictionally receiving and gripping, throughout its entire circumference, the bead of the container, a handle pivotally connected with said member for supporting said container, an upstanding enclosing wall constituting a funnel and secured to the interior surface of said annular member, a portion of the upper edge of said wall being upwardly and outwardly flaring to define a pouring spout.

3. A handle, funnel and spout attachment for a container of the type having an upper wall with a concentric groove and bead for receiving a container closure, comprising; an annular member having a channel therein for frictionally receiving and gripping, throughout its entire circumference, the bead of the container, a handle pivotally connected with said member for supporting said container, an upstanding enclosing wall constituting a funnel and secured to the interior surface of said annular member, a portion of the upper edge of said wall being upwardly and outwardly flaring to define a pouring spout, said handle being directly pivoted upon said wall and being foldable within said wall.

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