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DETACHABLE CAN SPOUT
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Fig. 1.

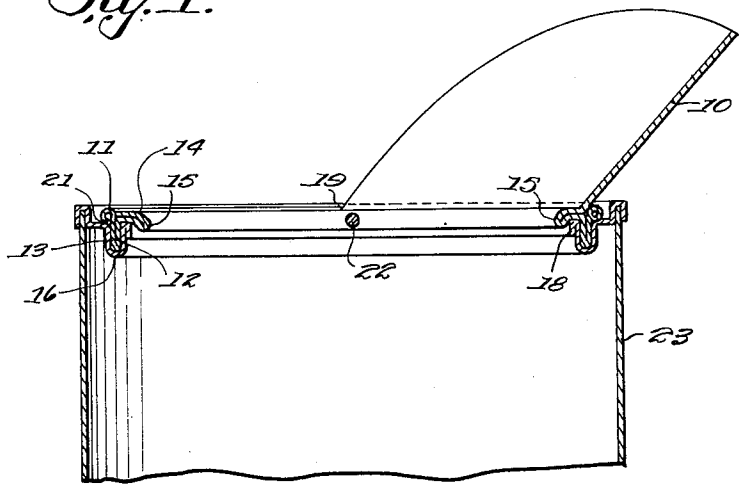


Fig. 2.

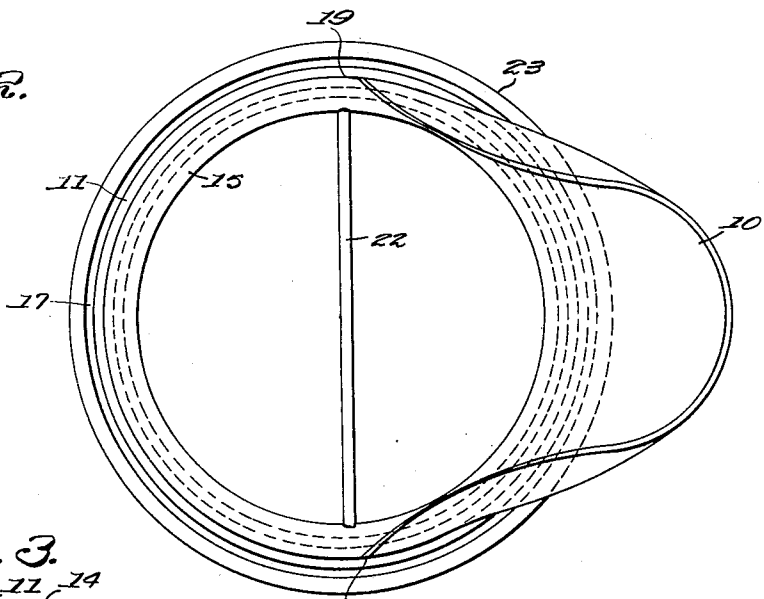
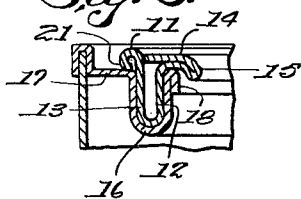


Fig. 3.



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DETACHABLE CAN SPOUT

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2 Claims. (Cl. 222-570)

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This invention relates to spouts for cans of the type having a continuous friction groove depressed into the end of the can for holding a cover, and in particular a spout having a continuous flange formed to be forced into the friction groove depressed in the end of a can and having a continuous rim which forms a shield to prevent paint, and the like entering the said groove.

The purpose of this invention is to provide a spout for cans and the like in which the spout is provided with mounting means which provides a cover and shield that protects the entire friction groove depressed in the end of a can and in which the spout is mounted.

Various attempts have been made to provide spouts for cans of this type but where the spout is inserted in one side of the groove paint and the like fill the opposite side and it is not only difficult to remove and replace the spout but it is also difficult to replace the cover. With this thought in mind this invention contemplates a spout carried by a continuous rim or flange that fills the entire groove depressed in the end of a can so that when the spout is removed the groove is open and free from paint and the like.

The object of this invention is, therefore, to provide mounting means for a spout formed to be used in combination with a can having a cover retaining friction groove depressed in the end thereof in which the spout mounting protects the groove.

Another object of the invention is to provide a spout mounting for cans having cover retaining friction grooves in the ends that may be applied to cans without changing the design or construction thereof.

Another object of the invention is to provide a spout for cans having cover retaining friction grooves in the ends in which a wiping bar is provided across the intermediate part of the spout.

A further object of the invention is to provide a spout for cans having cover retaining friction grooves depressed in the ends in which the spout is of a simple and economical construction.

With these and other objects and advantages in view the invention embodies a spout having a supporting base formed with a continuous ring having a flange extended therefrom with the flange formed to be pressed into the cover retaining friction groove in the end of a can.

Other features and advantages of the invention will appear from the following description taken in connection with the drawings wherein:

Figure 1 is a vertical section through the upper

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end of a can showing the improved spout and mounting therefor.

Figure 2 is a plan view of the can and spout as shown in Figure 1.

Figure 3 is a detail showing a section through the spout mounting ring and flange and showing the parts in a groove in the end of a can.

Referring now to the drawings wherein like reference characters denote corresponding parts the improved can pouring spout of this invention includes a spout 10 carried by a continuous ring 11 and having a continuous resilient flange formed with inner and outer walls 12 and 13, respectively extended from the ring.

The spout 10, which is substantially semi-circular, may be formed of any suitable shape, and as illustrated in Figure 1 the face of the spout merges into the flat continuous ring 11 with the parts connected with an arcuate surface 14 and in which the material of the spout and ring turn downwardly forming a bead 15, which with the flange formed by the parts 12 and 13 inserted in a friction groove 16 of a can top 17, extends over the inner edge 18 of the top 17 as shown in detail in Figure 3.

The outer edge of the ring 11, from the point 19 to the point 20 at the edges of the spout is turned under forming a bead 21 on the edge of the ring.

The material of the ring is bent upon itself to form the bead 15 and from the bead the material abuts the under surface of the part 14 and extends downwardly to form the wall 12, the lower edge of which is bent around to form the wall 13, thereby providing a flange substantially U-shape in cross section and having sufficient resiliency to be forced into a friction groove 16 of the can top.

A wiping bar 22 extends across the intermediate part of the ring 11 providing means for wiping a paint brush or the like.

With the parts arranged in this manner the conventional cover is removed from the can, which is indicated by the numeral 23 and a resilient flange or rim formed by the parts 12 and 13 is pressed into the friction groove 16 in the end of the can with the spout extended, thereby providing a pouring spout with the friction groove in the end of the can completely covered and protected from paint and the like.

It will be understood that modifications may be made in the design and arrangement of the parts without departing from the spirit of the invention.

What is claimed is:

1. In a can spout for attachment to a can

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having a top provided with an opening having a circular upwardly facing U-shaped groove at the periphery thereof, a U-shaped circular flange snugly seated in said groove and including an outer leg and an inner leg arranged in spaced parallel relation with respect to each other, said outer leg extending above the inner leg, the upper end of said inner leg terminating in a transverse portion, said transverse portion terminating in a downwardly extending angularly arranged lip of double thickness, a flat section extending from said lip and overlying the inner leg and abutting the outer of said legs, said outer leg being turned downwardly upon itself to provide a bead, the lower portion of which rests upon the top of the can, said U-shaped flange extending for approximately one-half the circumference of the opening, said flange having a spout portion extending therefrom.

2. In a can spout for attachment to a can having a top provided with an opening having a circular upwardly facing U-shaped groove at the periphery thereof, a U-shaped circular flange snugly seated in said groove and including an outer leg and an inner leg arranged in spaced parallel relation with respect to each other, said outer leg extending above the inner leg, the upper

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end of said inner leg terminating in a transverse portion, said transverse portion terminating in a downwardly extending angularly arranged lip of double thickness, a flat section extending from said lip and overlying the inner leg and abutting the outer of said legs, said outer leg being turned downwardly upon itself to provide a bead, the lower portion of which rests upon the top of the can, said U-shaped flange extending for approximately one-half the circumference of the opening, said flange having a spout portion extending therefrom, and further including a bar extending diametrically across said flange and secured thereto.

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