

Oct. 7, 1969

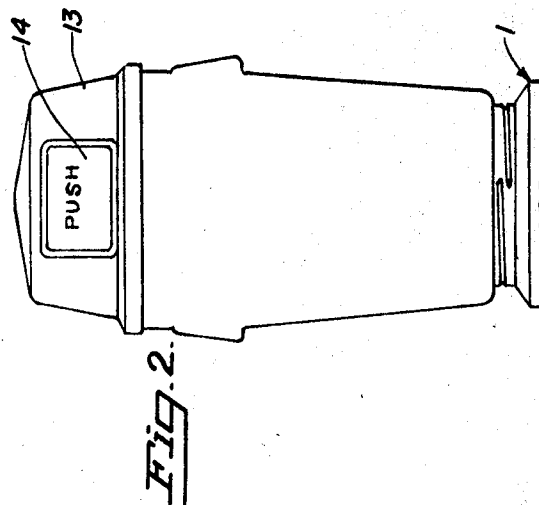
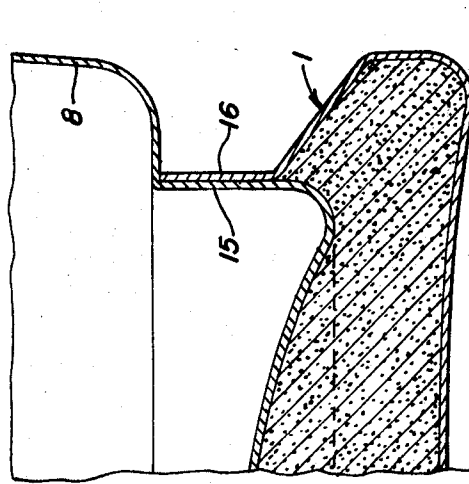
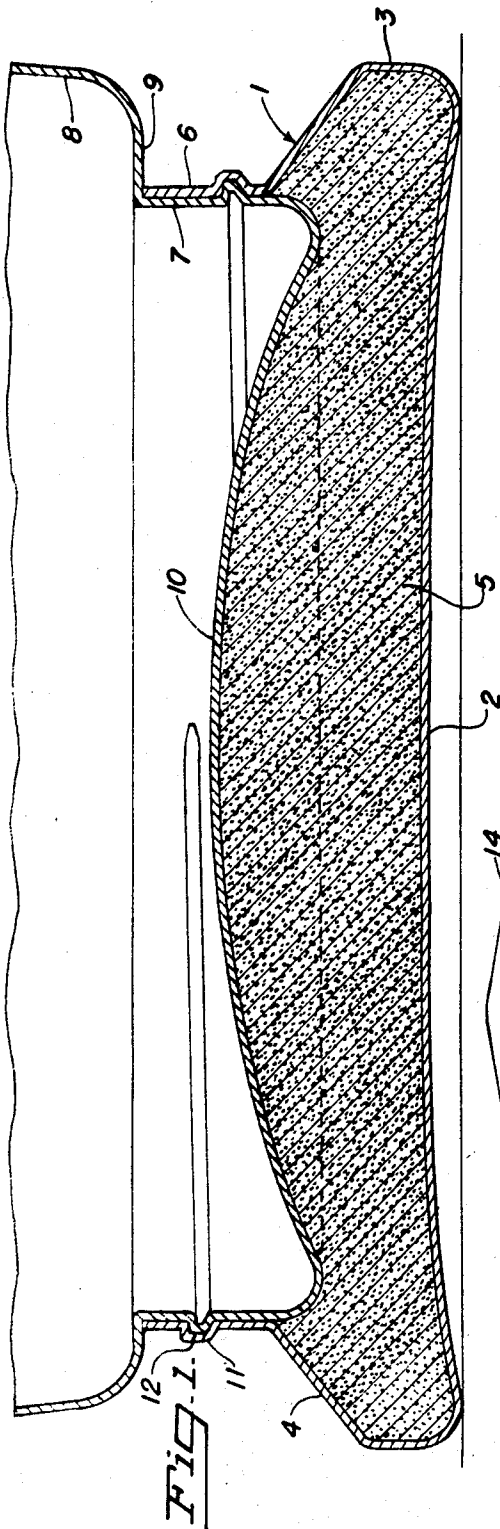
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3,471,114

SEPARATE BALLAST BASE FOR WASTE RECEPTACLES SUCH AS GARBAGE CANS

Filed Dec. 28, 1967

2 Sheets-Sheet 1



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Fig. 4.

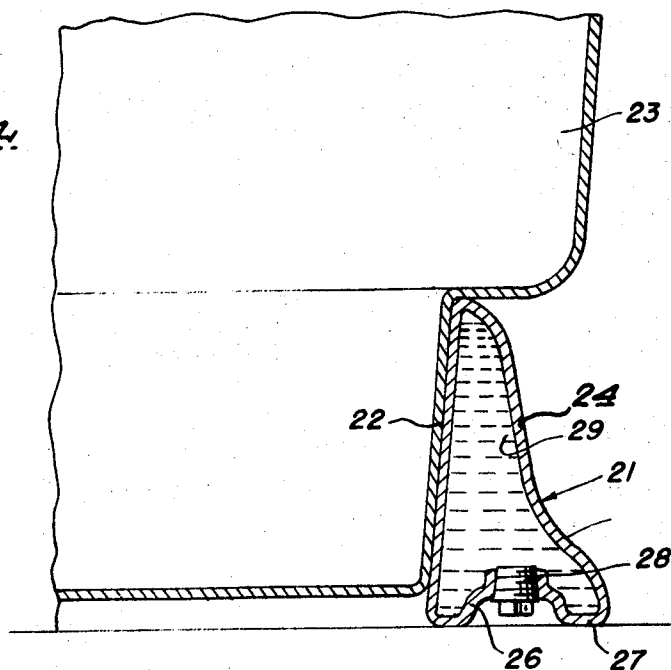
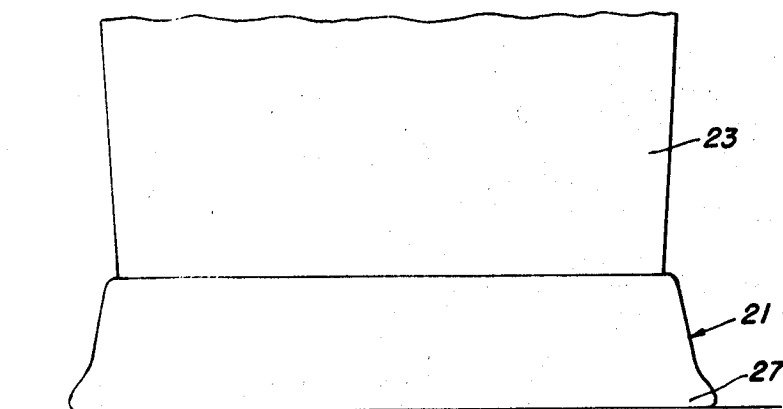


Fig. 5.



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SEPARATE BALLAST BASE FOR WASTE RECEPTACLES SUCH AS GARBAGE CANS
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U.S. Cl. 248—346 **2 Claims**

ABSTRACT OF THE DISCLOSURE

A separate ballast base for waste receptacles such as garbage cans, in which the base containing the ballast has quick engaging means for the bottom of the receptacle so that the receptacle can be separated from the base for emptying and can be quickly secured to the base to be held in place on the base so as to prevent accidental tilting.

BRIEF DESCRIPTION OF THE INVENTION

A ballast base which may be filled with some heavy material such as sand or water has a vertical flange into which fits the bottom portion of the receptacle for quick engagement and release. For this purpose the ballast base is dished or hollow, and the bottom of the receptacle is so formed as to be in snug engagement with the top interior contour of the base.

DESCRIPTION OF FIGURES

FIG. 1 is a fragmental view of the receptacle in the ballast base.

FIG. 2 is a side view of the receptacle engaged with the ballast base.

FIG. 3 is a fragmental sectional view of another form of the connection between the ballast base and the bottom of the receptacle.

FIG. 4 is a fragmental sectional view of another form of the ballast base.

FIG. 5 is a fragmental view showing the modified ballast base with a can with tapered circumference without a shoulder.

DETAILED DESCRIPTION

The ballast base 1 in the illustrative form has an inwardly dished bottom 2 from the edges of which extends a cylindrical body 3. From the top edge of the cylindrical body 3 extends a frusto-conical portion 4 converging inwardly and inclosing the space for the ballast such as sand 5. From the top edges of the frusto-conical wall 4 extends a cylindrical connecting flange 6 into which snugly fits the cylindrical bottom 7 of the can or receptacle 8. A shoulder 9 is formed between the cylindrical bottom 7 and the body of the can 8 to rest upon the top edge of the connecting flange 6.

The cylindrical bottom 7 is higher than the width of the cylindrical flange 6 so that it projects beyond the top edge of the inclined frusto-conical wall 4 of the ballast base 1. The bottom 10 of the receptacle 8 is dished inwardly of the can or receptacle 8 so as to more snugly rest upon the ballast sand 5.

In the preferred form shown in FIG. 1 and FIG. 2, a quick engaging external thread 11 is provided on the neck or cylindrical bottom 7 which can be screwed into

a female thread 12 formed in the perpendicular connecting flange 6.

The receptacle 8 may be open or may be provided with a cover 13 with the usual swing flap closure 14.

In the form shown in FIG. 3, the neck or cylindrical bottom 15 has a cylindrical outer periphery and it fits firmly into the cylindrical connecting flange 16.

In the form shown in FIGS. 4 and 5 the ballast base 21 is formed as a large circular hollow ring. The inner circular wall 22 of this ballast base is of such radius and taper to snugly fit over the base of the waste receptacle 23, such as a garbage can. The outer wall 24 of the ring is converging upwardly toward the top of the inner wall 22. The bottom wall 26 of the ring is suitably recessed so as to form a circular base flange 27 on which the ballast base rests. A suitable threaded plug 28 is provided in the recessed portion of the bottom wall 26 so that by removing the plug the annular cavity 29 of this ballast base can be filled with the ballast, such as suitable liquid. This type of ballast base is watertight.

What is claimed is:

1. A ballast base for receptacles comprising,
 - (a) a hollow base having a rigid upwardly dished bottom,
 - (b) a heavy ballast in said hollow base,
 - (c) a peripheral engagement flange on the top of said hollow base,
 - (d) coacting means on said engagement flange to releasably hold the bottom of said receptacle on said ballast base,
 - (e) the circumference of said ballast base being larger than the circumference of said engagement flange adjacent said dished bottom and converging toward said engagement flange to inclose the space for the ballast.
2. The invention defined in claim 1, wherein
 - (f) the uppermost edge of said flange lies in a single plane adapted to engage a shoulder formed on the lower portion of said receptacle with the shoulder resting on the top of said engagement flange.

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