

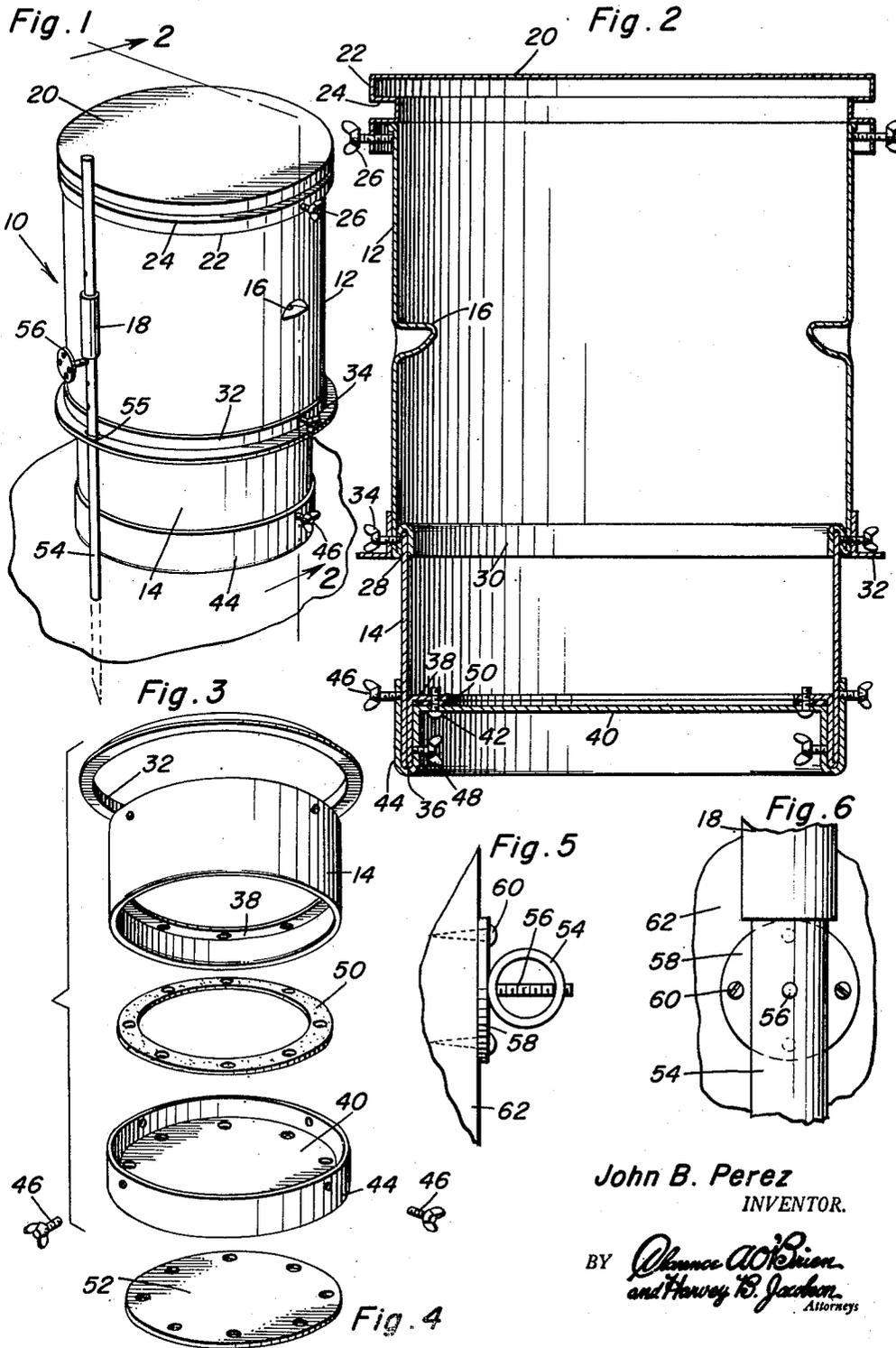
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INDUSTRIAL GARBAGE CAN WITH SUPPORT ATTACHMENT

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INDUSTRIAL GARBAGE CAN WITH SUPPORT ATTACHMENT

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8 Claims. (Cl. 220-4)

This invention generally relates to a garbage can which is especially adapted for industrial use wherein replaceable elements are provided so that the garbage can will have a long and useful life.

An object of the present invention is to provide a garbage can having means for positioning or supporting the same in a desired position together with a closure that is locked on the garbage can and removable and replaceable elements which may be replaced for repairing the garbage can.

Another important object of the present invention is to provide a garbage can especially adapted for industrial use which may be provided with repair parts to assure longevity of the garbage can with a reinforcing flange or bumper ring being provided to prevent bending of the can.

Yet another important feature of the present invention is to provide an industrial garbage can having a replaceable bottom plate as well as a replaceable bottom portion with the plate being provided with a coating on the inner surface thereof to prevent rusting or corrosion by material in the can and also being provided with a gasket for sealing the bottom plate to the garbage can.

Other objects of the present invention will reside in its simplicity of construction, ease of operation, ease of replacement of damaged parts and its relatively inexpensive manufacturing cost.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view of the garbage can of the present invention;

Figure 2 is a longitudinal, vertical sectional view taken substantially upon a plane passing along section line 2-2 of Figure 1 illustrating the details of construction of the garbage can;

Figure 3 is an exploded group perspective view of the bottom plate and the associated elements for securing the same in position;

Figure 4 is a perspective view illustrating a repair bottom plate which may be provided for positioning under the bottom plate when the initial plate is rusted through;

Figure 5 is a fragmental plan view of the supporting rod mounted on a wall surface; and

Figure 6 is an elevational view of the construction of Figure 5.

Referring now specifically to the drawings, the numeral 10 generally designates the garbage can of the present invention which is in the form of a generally enlarged cylindrical receptacle having an upper portion 12 and a lower portion 14 both of substantially cylindrical configuration. The upper portion 12 is provided with inwardly extending hand grips 16 and a vertically disposed sleeve 18. The upper end of the upper portion 12 is provided with a closure 20 having a depending peripheral

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flange 22 with a groove 24 formed therein forming a hand grip for the closure 20 for positioning and removing the same. Screw threaded fasteners 26 extend through the lower end of the flange 22 for securing the closure 20 on the upper cylindrical portion 12.

The lower end of the cylindrical portion 12 is provided with a reversely bent portion 28 which terminates in a downwardly extending flange 30 forming a downwardly opening channel shaped member for telescopically receiving the upper end of the lower portion 14. An annular right angular ring member 32 is secured to the outer surface of the upper portion 12 at the bottom thereof and fasteners 34 secure the member 32 as well as the upper and lower portions 12 and 14 together thereby forming a continuous receptacle with a peripheral ring or horizontal flange forming a bumper to prevent accidental bending of the garbage can 10.

The lower end of the lower portion 14 is provided with a reversely bent portion 36 having an inwardly extending terminal flange 38 and a circular closure plate 40 is secured thereto by fastening members 42. The outer edge of the plate 40 is provided with a reversely bent portion 44 forming an upwardly opening channel for receiving the reversely bent portion 36 of the lower portion 14. Screw threaded fasteners 46 and 48 extend inwardly from opposite sides of the U-shaped portion 44 of the plate 40 for securing the plate 40 in relation to the lower portion 14. An annular gasket 50 is provided between the flange 38 and the plate 40 for preventing leakage therebetween. Also, the plate 40 may be covered with any suitable coating to prevent corrosion thereof and when the plate 40 has a hole therein or otherwise becomes inoperative, a repair circular plate 52 is provided for positioning under the bottom plate 40 thereby forming a repair bottom.

A ground inserted vertical supporting post 54 is provided for insertion through the sleeve 18 whereby a screw threaded fastener 56 may be provided for locking the support post or rod 54 in relation to the sleeve 18 thereby supporting the garbage can 10 from a supporting surface such as the ground surface in spaced relation if desired. When the post 54 is ground inserted, it extends through an aperture 55 in the horizontal flange of the annular ring member 32.

As illustrated in Figures 5 and 6, the fastener 56 is provided with a plate-like head 58 having apertures therein for receiving screws 60 for securing the fastener 56 to a wall surface 62 whereby the can may be supported from a vertical surface.

The ring 32, lower or short cylinder 14, gasket 50, repair plate 52 may all be provided in a repair kit thereby providing long life to the garbage can by replacing or repairing certain parts.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. A garbage container comprising upper and lower cylindrical portions, means detachably securing the portions together, a removable closure on the upper end of the upper portion, and a removable bottom plate mounted on the lower end of the lower portion, said bottom plate having an annular upwardly facing channel receiving the lower end of said cylindrical portion with the lower end of the cylindrical portion having a reversely bent end terminating in an inwardly extending annular

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flange, and fastening means extending through said bottom plate and flange for retaining the bottom plate in position.

2. The combination of claim 1 wherein said bottom plate is provided with a coating of waterproof material to prevent corrosion thereof.

3. The combination of claim 1, and an annular gasket associated with said flange and bottom plate to prevent leakage therebetween.

4. The combination of claim 1 and an annular outwardly extending flange at the juncture between the upper and lower portions thereby forming a reinforcing bumper ring.

5. The combination of claim 1 wherein said closure member is provided with a depending peripheral flange telescopically engaged with the upper end of the upper cylindrical portion, and fasteners extending through said flange for retaining the closure member in position.

6. The combination of claim 1, said upper cylindrical portion having a sleeve mounted thereon, and a vertically disposed support rod slidably received in said sleeve.

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7. The combination of claim 6, and means for adjustably locking said support rod in said sleeve.

8. A refuse container having replaceable elements comprising a vertically disposed receptacle having cylindrical side walls, a replaceable bottom plate, gasket means for said bottom plate, said bottom plate having an upwardly facing annular channel for receiving the lower end of the cylindrical side walls, and fasteners extending through the channel for securing the bottom plate onto the cylindrical side walls, said cylindrical side walls having an inwardly extending annular flange spaced from the bottom end, said gasket means being disposed between the flange and bottom plate.

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