

June 24, 1941.

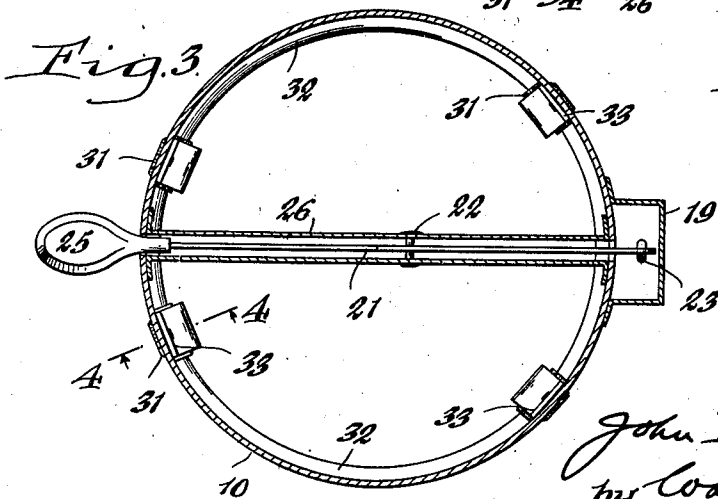
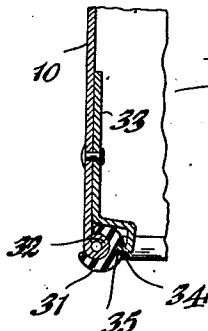
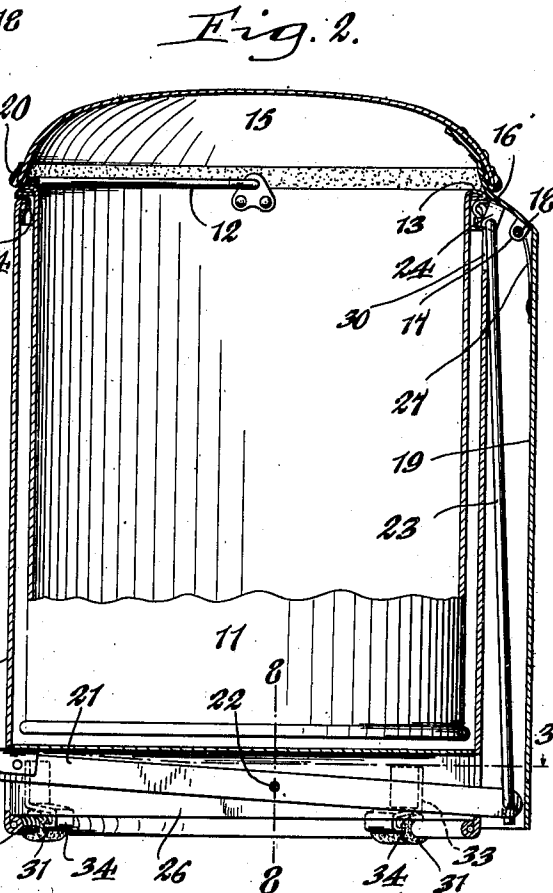
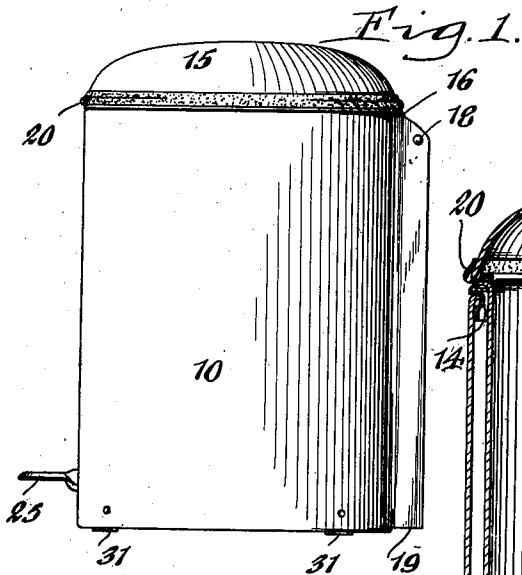
J. F. GEIBEL

2,246,975

SANITARY WASTE CAN

Filed Feb. 5, 1937

2 Sheets-Sheet 1



Inventor
John F. Geibel,
by Walter P. Geyer
Attorney

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Fig. 6.

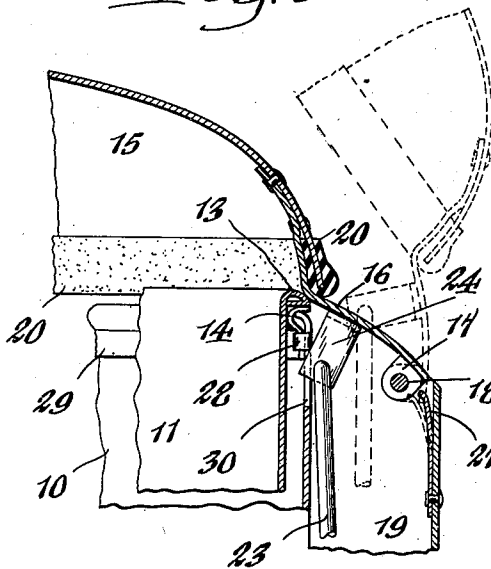


Fig. 7.

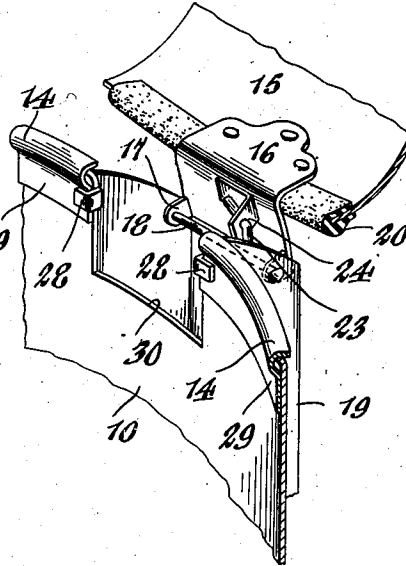


Fig. 8.

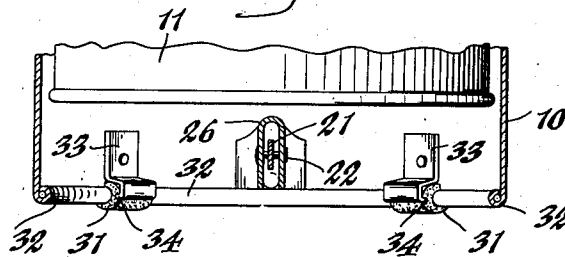
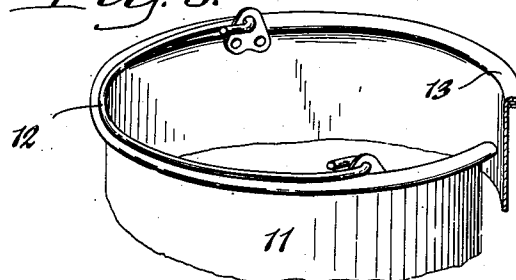


Fig. 9.



Inventor

John F. Geibel
by Walter P. Gepp
Attorney

UNITED STATES PATENT OFFICE

2,246,975

SANITARY WASTE CAN

John F. Geibel, Buffalo, N. Y., assignor to Master Metal Products, Inc., Buffalo, N. Y., a corporation of New York

Application February 5, 1937, Serial No. 124,286

1 Claim. (Cl. 220—17)

This invention relates to certain new and useful improvements in sanitary waste cans or garbage receptacles of the foot-operated cover type.

It has for one of its objects to provide a receptacle of this character which is so designed as to completely conceal and protect the cover-operating mechanism and assure noiseless closing of the cover as well as effectually sealing the refuse odors, and which is neat and attractive in appearance and sturdy in construction.

Another object of the invention is the provision of a refuse receptacle, of the type composed of an inner and outer pail, wherein means are provided for supporting the inner pail handle against swinging inside the pail and thus prevent its soiling, and wherein means are provided for sealing the space between the two pails to prevent refuse and moisture soiling the floor.

Other features of the invention reside in the construction and arrangement of parts herein-after described and particularly pointed out in the appended claim.

In the accompanying drawings:

Figure 1 is a side elevation of the waste can embodying my invention. Figure 2 is an enlarged vertical section thereof. Figure 3 is a horizontal section taken in the plane of line 3—3, Figure 2. Figure 4 is an enlarged fragmentary cross section taken on line 4—4, Figure 3. Figure 5 is a detached perspective view of one of the rubber feet on the receptacle. Figure 6 is an enlarged fragmentary cross section of the upper rear portion of the receptacle. Figure 7 is a fragmentary perspective view of the upper rear portion of the outer can-body or container with the cover in its opened position. Figure 8 is a cross section taken in the plane of line 8—8, Figure 2. Figure 9 is a fragmentary perspective view, partly in section, of the inner pail of the receptacle.

Similar characters of reference indicate corresponding parts throughout the several views.

In its preferred embodiment, my invention comprises an outer can-body or container 10, open at its ends, and an inner can-body in the form of a pail or refuse receptacle 11 removably and telescopically housed within the can-body and having a bail 12 pivoted to its open upper end. As seen in Figures 2, 6 and 9, the upper end of the pail has an outwardly-extending annular flange 13 which rests upon and overhangs the upper edge of the container 10 to not only support the pail within the container but also to provide a sealing flange preventing refuse and moisture dropping in the space between the two

containers and soiling the floor. The bail 12 of the inner pail normally rests on this flange, thus preventing its swinging into the pail in contact with the refuse or garbage and becoming soiled. Fitted to the top edge of the outer container 10 and extending around the adjoining inner side thereof is a galvanized ring 14 which protects its finish and with which the flanged end of the inner pail engages.

The upper end of the container 10 has a vertically-swinging cover 15 to the rear side of which a strap 16 is secured, said strap having a pair of depending hinge lugs 17 which engage a horizontal hinge pin 18 supported in the upper end of a dust-proof housing or sheath 19 secured to the rear side of the container and extending substantially the full length as shown in Figures 1 and 2. This housing may be of rectangular shape in cross section and open at its upper and lower ends, the projecting rear portion of the hinge-strap 16 being of like shape in plan and occupying the upper open end of the housing to form a closure therefor in the closed position of the cover, as clearly shown in Figures 2 and 6. Applied to the marginal edge of the turret-shaped cover and completely edged thereabout is a molded rubber bead or band 20 which assures noiseless closing of the cover and which is adapted to abut against the container-ring 14 or the suspension flange 13 of the pail 11, and seal the receptacle against the escape of refuse odors. This silencing bead may be securely held in place on the cover by any suitable means, but, as shown in Figures 6 and 7 of the drawings, is preferably anchored by the attaching end of the hinge-strap 16.

The means for moving the cover 15 to its open position consists of a vertically-swinging foot lever 21 pivoted at 22 in the lower end of the container 10, the rear end of the lever being connected externally of the container by an upright link 23 with the cover through the medium of a lug 24 positioned forwardly of the hinge-pin 18 and secured to the hinge strap 16, while the front end of said lever has a foot pedal 25 thereon. The actuating lever 21 is housed within a tie member 26 of U-shaped cross section disposed transversely at the lower end of the outer container and secured at its ends thereto, as shown in Figure 3, and with its rear end in open or registering communication with the lower end of the upright housing 19. By this structural arrangement, the cover-actuating mechanism is effectually housed in the mem-

bers 19 and 26, concealed from view, and at the same time protected against injury or damage.

For the purpose of cushioning the movement of the cover as it reaches the limit of its open position, I provide a flat spring 27 which is concealed in and secured at its lower end to the housing 19 adjacent the hinge-pin 18 and whose upper free end is disposed in the path of the rear end of the hinge-strap 16. When the cover is opened to the position shown by dotted lines in Figure 6, the rear edge of the hinge-strap moves downwardly between the rear wall of the housing 19 and the spring 27, the latter yieldingly resisting and cushioning such movement and assisting in the closing of the cover when the foot pedal is released.

The ring 14, applied to the upper edge of the outer container 10, is preferably split and held firmly in place at its ends by lugs 28 shaped from the container and bent around the flanged portion 29 of the ring in the manner shown in Figure 7. It will be noted that the rear side of the outer container is notched at its upper end, as indicated at 30, to provide for the proper free movement of the cover-actuating mechanism and that the ring-engaging lugs 28 project from the side edges of that notch.

In order to prevent the receptacle marking or staining the floor or linoleum, cushioned supporting members are applied to the bottom of the container 10. Each of these members preferably consists of a rubber foot 31 shaped to embrace the inwardly-rolled container-bead 32 and securely held thereon by an attaching clip or bracket 33 suitably fastened at its upper end

to the inner side of the container and terminating at its lower end in an outwardly-bent lip or flange 34 which firmly engages a notch or recess 35 in the foot to thereby effectually clamp and prevent displacement of the foot from the bead, all as clearly shown in Figures 2, 4, 5 and 8.

While manifestly simple, compact and sturdy in construction, this improved sanitary waste can effectually protects and conceals the cover-actuating mechanism, it assures a noiseless closing of the cover and seals refuse odors, and it positively affords a seal between the refuse pail and the container to prevent the refuse and moisture soiling the floor.

I claim as my invention:

A receptacle of the character described, comprising an outer can-body having a metallic protecting ring extending around the inner side of its upper end and including a portion extending over the top edge thereof to provide an upwardly-facing seat, an inner can-body removably arranged in the outer can-body and having an outwardly-extending annular flange at its upper end including a substantially flat bottom face adapted to engage the seat portion of said protecting ring in the assembled position of the receptacle, said flange having a substantially convex top face, and a cover hinged to the outer can-body and including a depending flangeless rim portion having a rubber sealing band extending completely about the same for overall abutting engagement with the convex top face of said inner can-body flange.

JOHN F. GEIBEL.