

[54] TRASH CONTAINER HOLDER

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248/156, 248/DIG. 7

[51] Int. Cl.....A47g 29/00

[58] **Field of Search**.....211/71, 71 GC, 133; 248/154,
248/156, 149, DIG. 7, 85, 87, 146

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[57] **ABSTRACT**

A trash container holder for supporting a pair of trash containers on a base. A telescopic standard extends up from the base and has a U-shaped bottom flange engaging member rigidly secured to the standard with the legs of the U projecting upwardly slightly from the base. A second inverted U-shaped member is secured to the upper member of the telescoping standard with its legs projecting downwardly to engage over the upper edges of a container. A spacer member is secured to the upper end portion of the lower standard member to prevent the trash containers from rotating about the standard. The telescoping standard members can be locked to prevent relative movement during use.

1 Claims, 4 Drawing Figures

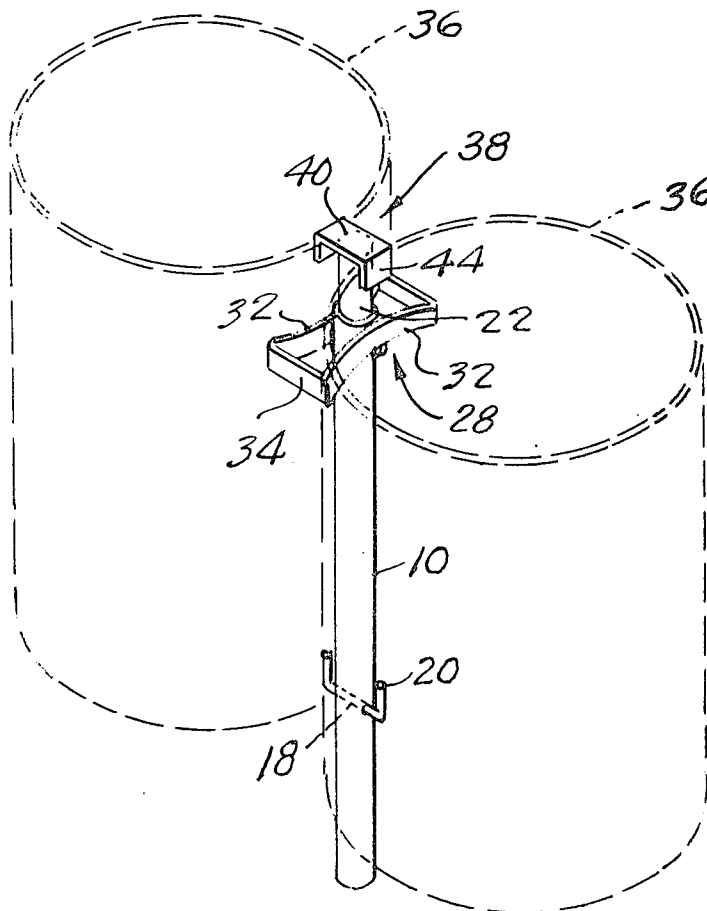


FIG. 1.

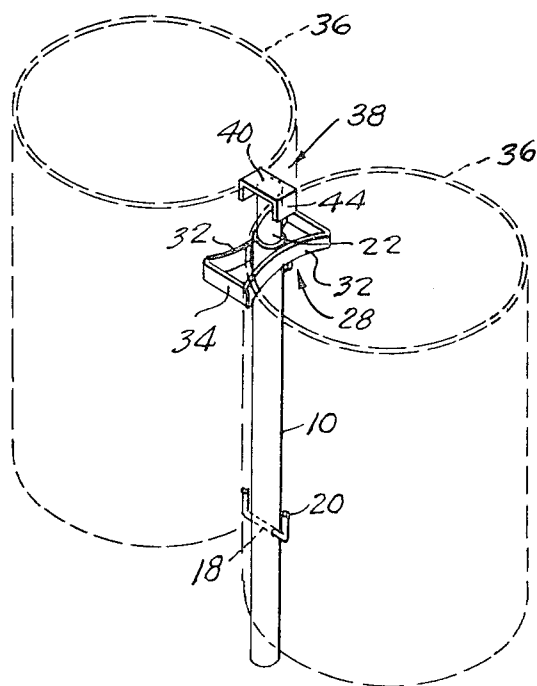


FIG. 2.

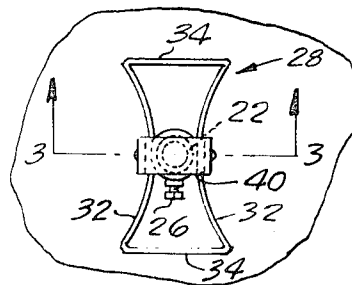


FIG. 4.

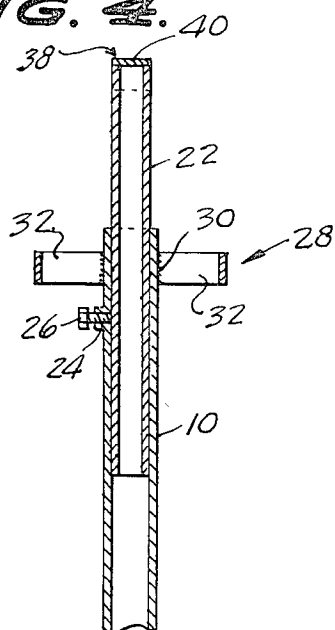
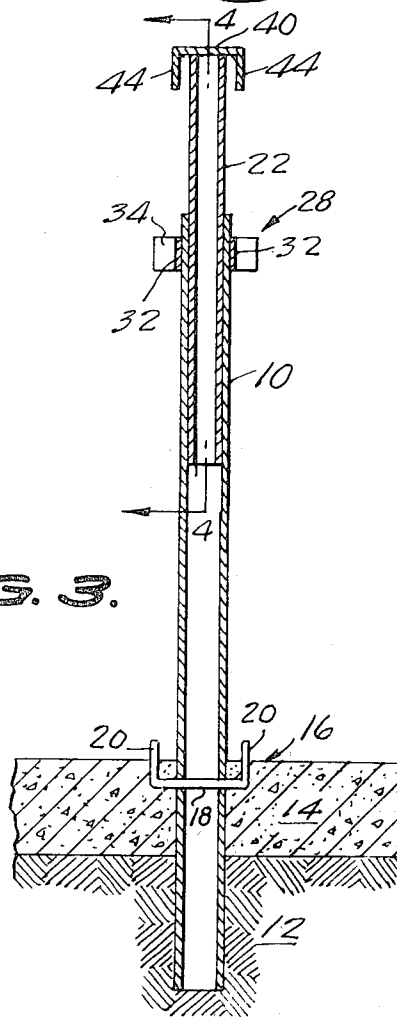


FIG. 3.



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TRASH CONTAINER HOLDER

The problem of preventing accidental or deliberate removal of the conventional cylindrical receptacles for trash, particularly in public places, is one of long standing to which many inventors have devoted their talent, as the prior art amply attests.

The present invention is directed toward an improvement in both the efficiency and economy of such devices.

It follows that an object of this invention is to provide a holder for cylindrical trash receptacles capable of permanent installation at a desired location, which holder will be rugged in construction, highly adjustable as to the vertical height of the receptacle held and positive in its holding action.

The above and other objects will be made clear from the following detailed description taken in connection with the annexed drawing, in which:

FIG. 1 is a perspective view of the improved receptacle holder with the receptacles shown in phantom, dotted outline;

FIG. 2 is a top plan view of the holder shown in FIG. 1;

FIG. 3 is a section on the line 3—3 of FIG. 2; and

FIG. 4 is a longitudinal vertical section taken on the line 4—4 of FIG. 3.

Referring now to FIG. 1, there is shown a basic tubular member 10. It is recommended, but by no means required, that this be standard 2 inch O.D. galvanized pipe stock since, as FIG. 3 makes apparent, the member 10 is to be inserted not only into the ground 12 but through a layer of concrete or other paving material 14.

Penetrating the member 10 and preferably welded thereto is a receptacle bottom securing member 18, preferably but not necessarily, formed of round stock of one-half inch diameter bent into U-formation and having its major central portion 18 penetrating the tube 10 and having its legs 20 upwardly directed and spaced from but parallel to the tube 10. As shown in FIG. 3, the horizontal portion 18 is imbedded optionally in the ground 12 or in the paving 16 with only the legs 20 projecting above the top surface.

An upper tube 22 has sliding telescopic relationship to the tube 10. Here again, it is recommended, but not required, that the tube 22 be made of standard 1½ inch O.D. pipe stock.

Vertical adjustability is established and maintained by providing, adjacent the upper end of the tube 10, a boss 24 threaded to receive preferably, but not necessarily, a one-half inch SAE setscrew 26 which engages the tube 22 holding it at any desired vertical adjustment.

A spacer member generally designated 28 is secured to the lower tube 10 by welding 30, as best seen in FIG. 4. The member 28 comprises opposed arcuate members 32 which are outwardly facing with respect to the tube 10. The arcuate members 32 have their extremities joined by straight horizontal portions 34. The member 28 is formed preferably, but not necessarily, of one-fourth inch flat stock with a vertical depth of about 1½ inches. It is formed in conventional size from the flat stock and the ends of the flat stock are joined preferably by butt welding at any convenient point. The function of the member 28 is to prevent trash receptacles 36 from rocking about the axis of the tube 10.

The upper tube 22 has its upper end capped by a member generally designated 38. The member 38 is U-shaped and has a central horizontal portion 40 welded to the upper end of the

tube 22.

Integral with the portion 40 are legs 44 which are radially spaced from the tube 22 and are downwardly directed. Here again, it is recommended, but not required, that the member 38 be formed of ¼×1½ inch flat stock.

Trash receptacles, such as those shown in phantom outline in FIG. 1, and designated 36 are, of course, open at the top which permits easy engagement of the containers 36 with the legs 44 of the member 38. It is also usual in such receptacles for there to be a concavity or at any rate a marginal flange at the bottom which equally permits easy engagement with the members 20, best seen in FIG. 3.

When it is desired to install or remove one or two cans 36 the setscrew 26 is loosened, the tube 22 is raised relative to the tube 10 sufficiently to let the legs 44 and the member 38 clear the upper rim of the can or cans 36 which then easily may be removed or installed, after which the tube 22 is lowered until the member 38 is firmly in contact with the rim of the can or cans 36 with the legs 44 of the member 38 inside the rim of the receptacle 36. The pair of cans 36 have their bottoms firmly in contact with the pavement 16 and the projections 20 prevent radially outward movement of the bottoms whereas the legs 44 of the member 38 prevent similar movement of the upper rims. The arcuate portions 32 of the member 28 so firmly engage the circular walls of the receptacles 36 as to prevent or, at any rate, severely to constrain the receptacles 36 against such lateral deviational forces as may occur were the receptacles 36 restrained only by the legs 44 and the upwardly projecting members 20. The arcuate portions 32 are preferred. The strip, however, could be angularly bent so that each part represents a section of an octagon or hexagon.

Rather obviously, a perusal of this specification by one skilled in the art will suggest various modifications. The invention, therefore, is not to be limited to the precise details of this disclosure.

What is claimed is:

1. A trash receptacle holder comprising a vertical elongate base post, an elongate upper post telescopically mounted in said base post and adjustable from a low point substantially completely enclosed in said base post to a high point with its upper end substantial height above said base post, an inverted U-shaped member secured to the top of said upper post and having downwardly extending legs outwardly spaced from opposite sides of said upper post, a threaded boss on said base post, a setscrew threaded through said boss and through said base post for releasably engaging said upper post to secure said posts in predetermined telescoped relation, a U-shaped member penetrating said base post and having upwardly directed legs outwardly spaced from said base post on opposite sides thereof, and a unitary spacer member rigidly secured to the upper end portion of said base post and having opposed, outwardly extending arms for engaging trash receptacles having their bottom edges engaged over the U-shaped member penetrating said base post and their top edges secured by the inverted U-shaped member secured to the top of said upper post with said spacer member preventing rotation of said trash receptacles about said posts, the telescopic action of said upper post in said base post providing vertical adjustment for engaging receptacles of differing height and providing the movement necessary to engage said inverted U-shaped member with the top edges of the receptacles.

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