Aug. 11, 1964 J. A. PELLEY 3,144,233

RETAINER FOR REFUSE RECEPTACLES

Filed Jan. 9, 1962

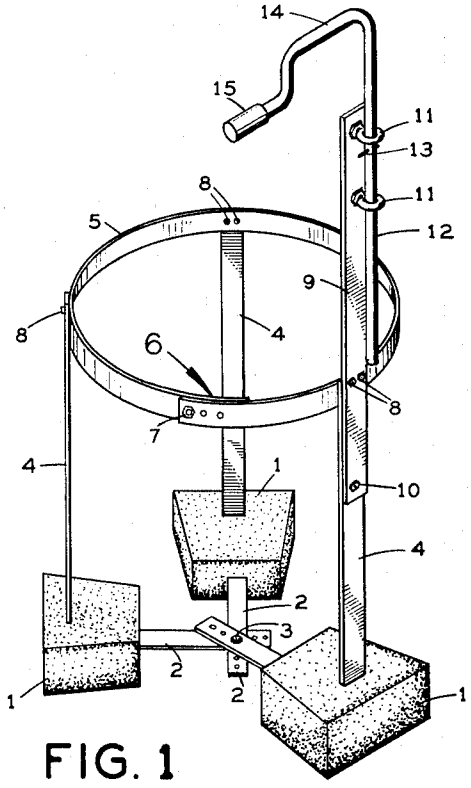


FIG. 1

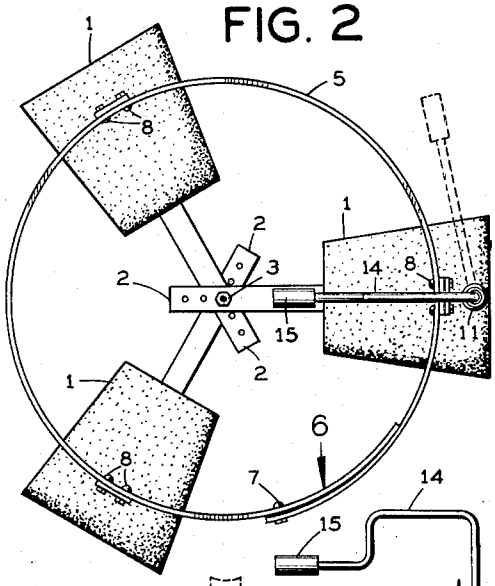


FIG. 2

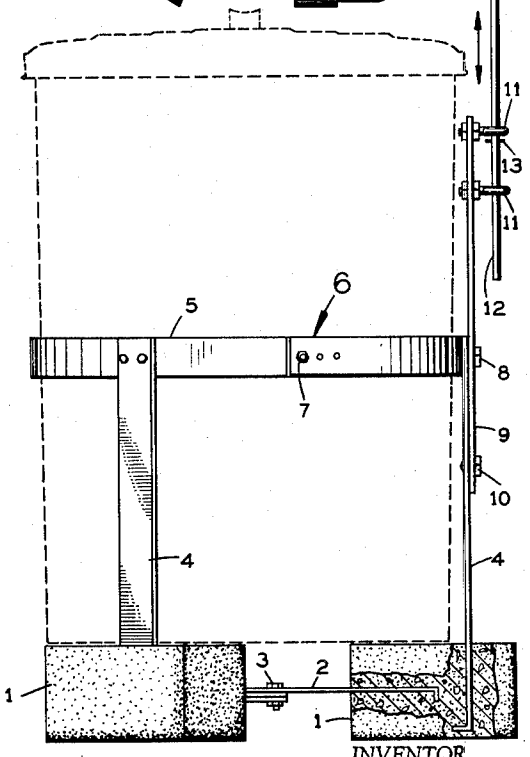


FIG. 3

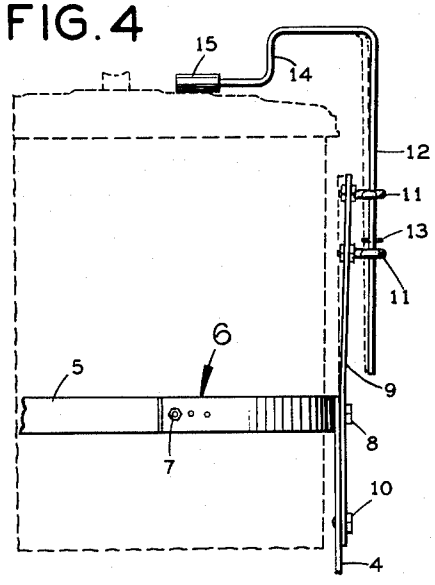


FIG. 4

INVENTOR.
JOSEPH A. PELLEY
BY
Lloyd Saunders

United States Patent Office 3,144,233 Patented Aug. 11, 1964

3,144,233

RETAINER FOR REFUSE RECEPTACLES

Joseph A. Pelley, 9462 SW. 39th St., Miami, Fla.

Filed Jan. 9, 1962, Ser. No. 165,099
1 Claim. (Cl. 248—154)

This invention relates in general to refuse receptacles and more particularly to a stabilized retainer for receptacles and the covers therefor.

Outdoor refuse receptacles are subject to rapid deterioration by rust and corrosion when permitted to rest upon the ground because of moisture trapped thereunder and, furthermore, are subject to tipping and spillage by scavengers.

The present invention overcomes the above objections and disadvantages by the provision of a portable retainer for receptacles in which the weighted feet thereof suspend the base of the receptacle above the ground and also includes means for encircling the retainer to prevent tipping which construction is a principal object of the invention.

A further object of the invention is the provision of a receptacle for a refuse retainer having three weighted feet for the gravity support of a retainer therein including a manually operable holder for frictionally retaining the cover on the receptacle.

Another object of the invention is the provision of a weighted retainer for cylindrical receptacles adapted for adjustment for receptacles of various diameters.

These and other objects in one embodiment of the invention are described and shown in the following specification and drawing in which:

FIG. 1 is a perspective view of the retainer in reduced scale.

FIG. 2 is a plan view of the retainer, shown FIG. 1.

FIG. 3 is a side elevation of the retainer, shown FIG. 1.

FIG. 4 is a fragmentary elevation, the same as FIG. 3, with elements in changed position.

Referring to FIGS. 1 and 2, three weighted foot members **1**, preferably made from molded concrete, are formed in trapezoidal shape, as shown. Each foot member has cast therein a horizontal tie bar **2** having a plurality of holes in the outer portion thereof for adjustable positioning by means of a centrally positioned bolt and nut **3**, as shown.

Each foot member **1** has a vertical upright bar **4** cast therein and extending upward a predetermined distance from the upper surface thereof. A circular band **5** for encircling the receptacle is positioned coaxial with bolt **3** and is joined together in an overlapping junction **6** adapted for adjustment by the engagement of a bolt and nut **7** through spaced holes in the junction, as shown. The band is secured to the upper ends of the uprights **4** by screw means **8**, as shown.

A vertical extension bar **9** is secured to one of the upright bars **4** by bolt and nut means **10** and screw means **8**. A pair of eye bolt bearings **11—11** are fixed in spaced relation in the upper portion of bar **9** for retaining a cover holder.

A formed rod or shaft **12** for holding the cover of a receptacle is slidably secured for vertical reciprocation in eye bolt bearings **11** and adapted for limited vertical movement therein by means of a pin **13** therethrough. The upper portion of the shaft **12** is formed into an offset cover holder **14** for manually engaging the receptacle cover, as shown, and includes a resilient bushing **15** secured to the outer end thereof, preferably made from rubber, for high frictional engagement with the cover of the receptacle.

In operation, the retainer is first adjusted for a receptacle of given diameter by adjusting the junction **6** by bolt **7** and providing a corresponding adjustment to tie bars **2** by means of bolt **3** whereby the inner surface of band **5** is in close proximity with the receptacle placed therein with the base thereof resting on the planar upper sides of the three foot members **1**.

A conventional cover is applied to the receptacle and is retained thereon by first manually swinging the holder **14** over the cover and depressing same downward with the bushing **15** in frictional contact with the cover.

Under these conditions, the extension bar **9** will be urged outward, as shown in full lines FIG. 4, into high frictional engagement of the shaft **12** in the eye bolt bearings **11—11**. The arm **14** is readily released from frictional holding retention with the cover by manually lifting the arm **14** in an upward direction.

Certain modifications in the above construction, utilizing the features described, are intended to come within the scope of the appended claim.

Having described my invention, I claim:

A retainer for a receptacle comprising three weighted foot members of substantially equal size and height positioned substantially radially equidistant from a vertical axis and substantially equidistant from each other,

a tie bar secured in each of said members extending from one side thereof normal to and intersecting said axis,

adjustable fastening means connecting each of said tie bars together for securing each of said members in predetermined radial distance from said axis,

an upright bar secured in each of said members extending upward a predetermined distance from the upper side thereof and substantially equidistant from said axis,

a circular band positioned in coaxial relation to said axis secured to the upper end of each of said upright bars whereby the bottom of a cylindrical receptacle in said retainer will rest by gravity upon a common planar portion of each of the upper sides of said members and be retained thereon by the proximity of said band to the outer wall of said receptacle,

adjustment means associated with said band for adjusting the diameter thereof to each of a plurality of predetermined fixed diameters,

a resilient linear extension of one of said upright bars extending a predetermined distance above said band for holding a cover holder for resilient movement normal said axis,

a pair of bearing means in coaxial spaced relation on said extension positioned and adapted for retaining a shaft of predetermined diameter for rotation and axial reciprocation parallel said extension,

said cover holder consisting of said shaft journalled in said bearing means including an integral offset arm laterally formed with respect to the axis of said shaft whereby said offset will engage and hold a cover on said receptacle when manually swung from a position adjacent to a position over said cover and urged downward thereon against the restraining flexure of said extension and into holding frictional contact of said shaft in said bearing means.

References Cited in the file of this patent

UNITED STATES PATENTS

574,424	Hoffman	Jan. 5, 1897
1,830,769	Rothermel	Nov. 10, 1931
1,878,787	Luff	Sept. 20, 1932
2,463,880	Jones	Mar. 8, 1949
2,646,955	Russell	July 28, 1953
2,985,416	Chapman et al.	May 23, 1961