July 1, 1958 R. R. RIEPEN 2,841,351

GARBAGE CAN HOLDER

Filed Jan. 12, 1954

Fig. 1.

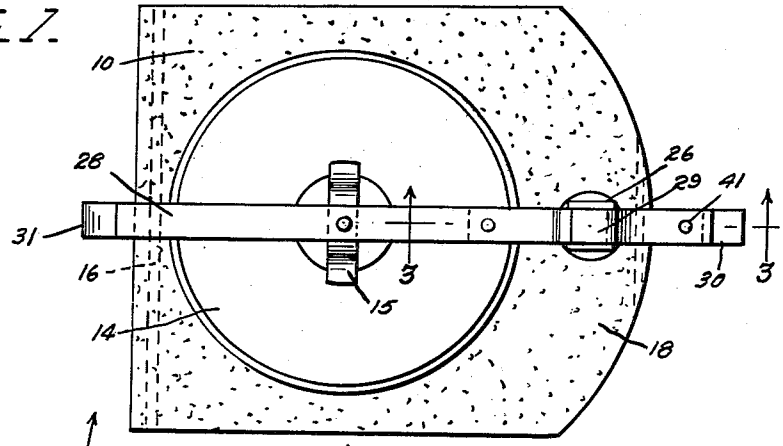


Fig. 2.

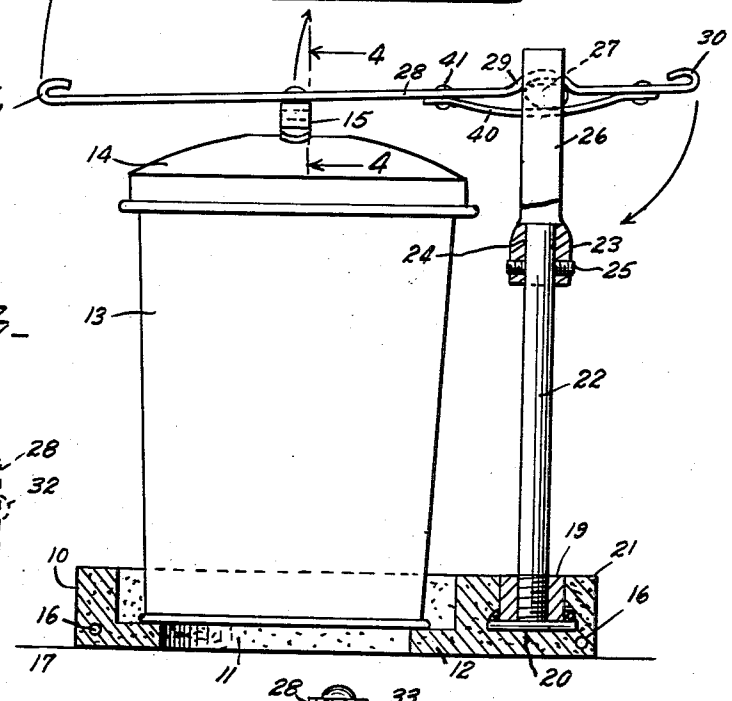


Fig. 3.

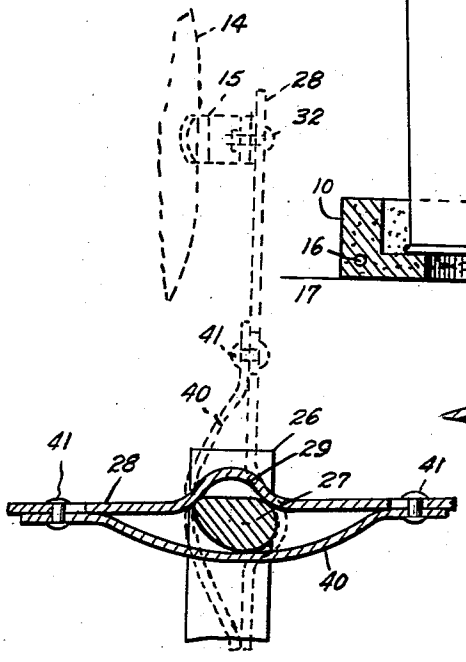
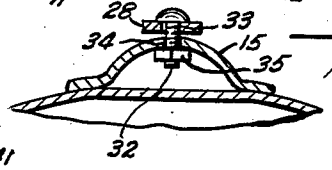


Fig. 4.



INVENTOR

R. R. Riepen

BY Kimmel & Crowell

ATTORNEYS

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GARBAGE CAN HOLDER

Roy Randolph Riepen, Harlingen, Tex.

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1 Claim. (Cl. 248—147)

This invention relates to a garbage or trash can holder, and has as its primary object the provision of a means for supporting the lid in raised position and securing the lid in closed position in such manner that the lid or cover cannot be knocked off by animals.

Another object of the invention is the provision of such a holder which includes a lid support yieldably holding the lid in position on the can and holding the lid in fully opened position and supporting the same so that the user of the can may employ both hands in emptying trash, garbage or the like.

An additional object of the invention is the provision of a device of this character which may be adjusted to receive cans of different heights and which is adapted to provide for cans of different diameters.

Still other objects will in part be obvious and in part be pointed out hereinafter and shown in the accompanying drawing wherein there is disclosed a preferred embodiment of this inventive concept.

In the drawing:

Figure 1 is a top plan view of the holder of the instant invention in association with a garbage can, the lid being shown in closed position;

Figure 2 is a side view, partially in elevation and partially in section, showing the structure of Figure 1;

Figure 3 is an enlarged sectional view taken substantially along the line 3—3 of Figure 1, as viewed in the direction indicated by the arrows; and

Figure 4 is an enlarged sectional view taken substantially along the line 4—4 of Figure 2, as viewed in the direction indicated by the arrows.

Similar reference characters refer to similar parts throughout the several views of the drawing.

Having reference now to the drawings in detail. There is generally indicated at **10** a base member preferably of concrete, having a centrally positioned drainage opening **11** surrounded by a peripheral flange **12** being relatively wide in order to accommodate bases of cans of differing diameters.

A can **13** is shown supported on the flange **12** and is provided with a conventional lid **14** having a centrally positioned handle **15**.

A pair of transversely disposed bores **16** extend through the base **10** for the accommodation of tie rods **17**, either for reenforcement or for the alignment of a plurality of can holders in permanently aligned relationship.

One side of base **10** includes an extending portion **18** which has a bore or aperture therein for the accommodation of an internally threaded socket **19**, the latter having tie rods **20** welded as by welding **21** across the bottom thereof for more securely holding the socket in position. The socket is preferably formed integrally during molding of the base.

A tubular pipe section **22** threadably engages socket

19 and has mounted on its upper end a cup-shaped member **23** having a centrally positioned bore **24** and adapted to be secured to the member **22** as by means of set screws **25**. The bore of member **23** is relatively long in order that the height of the member may be varied relative to the base **10**. Extending vertically upwardly from cup-shaped member **23** are a pair of plates or bars **26**, adapted to extend above the top **14** of the garbage can and extending between the members **26**. Adjacent their upper extremities is a cam member **27**. Mounted on the cam member **27** between the plates **26** is an elongated lever **28** having arcuate off-set portion **29**, and having one end extending inwardly terminating in a reverted end as at **30** beyond the extremity of the base **10**, its other end extending outwardly and terminating in the reverted portion **31** outwardly of the can **13**. A bolt **32** extends through a suitable aperture **33** in an intermediate portion of lever **28** and engages through an aperture **34** in handle **15**, and is secured therein as by means of a bolt **35** to secure the lever to handle **15**.

A resilient spring member **40** extends beneath cam member **27** and is secured to lever **28** as by means of suitable rivets or bolts **41**.

From the foregoing the operation of the device should now be readily understandable. With the device in the position as disclosed in Figures 1 and 2 the engagement of spring member **40** with the cam member **27** serves to hold the lid firmly in position. When it is desired to raise the lid, pressure may be exerted on either of ends **30** or **31** in downward or upward direction respectively, which will swing the lever **28** to the dotted line vertical position of Figure 3, the configuration of the cam being such as to permit ready rotation of the lever between horizontal and vertical position. However when the lever is raised to vertical position the action of the cam **27** against the spring **40** will serve to hold the lever and lid in vertical raised position until manually moved downward.

From the foregoing it will now be seen that there is herein provided a garbage can holder which will render the can easy of access to the user, which may be readily adapted to a variety of diameters and heights of cans, and which will, when in closed position, serve to hold the lid of the can securely in position against accidental displacement, as by animals or the like.

As many embodiments may be made of this inventive concept and as many modifications may be made in the embodiment hereinbefore shown and described, it is to be understood that all matter herein is to be interpreted merely as illustrative and not in a limiting sense.

What I claim is:

A garbage can holder comprising a base having a circular depression in the upper side thereof for reception of a can, an upright post carried by said base at one side thereof, a cup-shaped member mounted on said post for vertical sliding movement, means securing said cup-shaped member in vertically adjusted position on said post, a pair of spaced parallel bars extending vertically upwardly from said cup-shaped member to a height greater than the top of the can, a cam member having a single flat upper side and an elliptical lower side in cross-section fixedly mounted between said bars adjacent their upper extremities, an elongated lever member having an arcuate offset portion intermediate the ends thereof, a leaf spring member having the opposite ends thereof slidably secured to said lever in confronting relation with respect to said arcuate offset portion, said cam member engaging

between said spring and said lever underlying the offset portion of said lever, one end of said lever extending from said post over and beyond the can, the other end of said lever extending in an opposite direction beyond the extremity of said base, and means detachably fixedly securing a closure member to said lever intermediate said one end of said lever and said offset portion of said lever, whereby the closure member can be moved to a locked upright position by either end of said lever.

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