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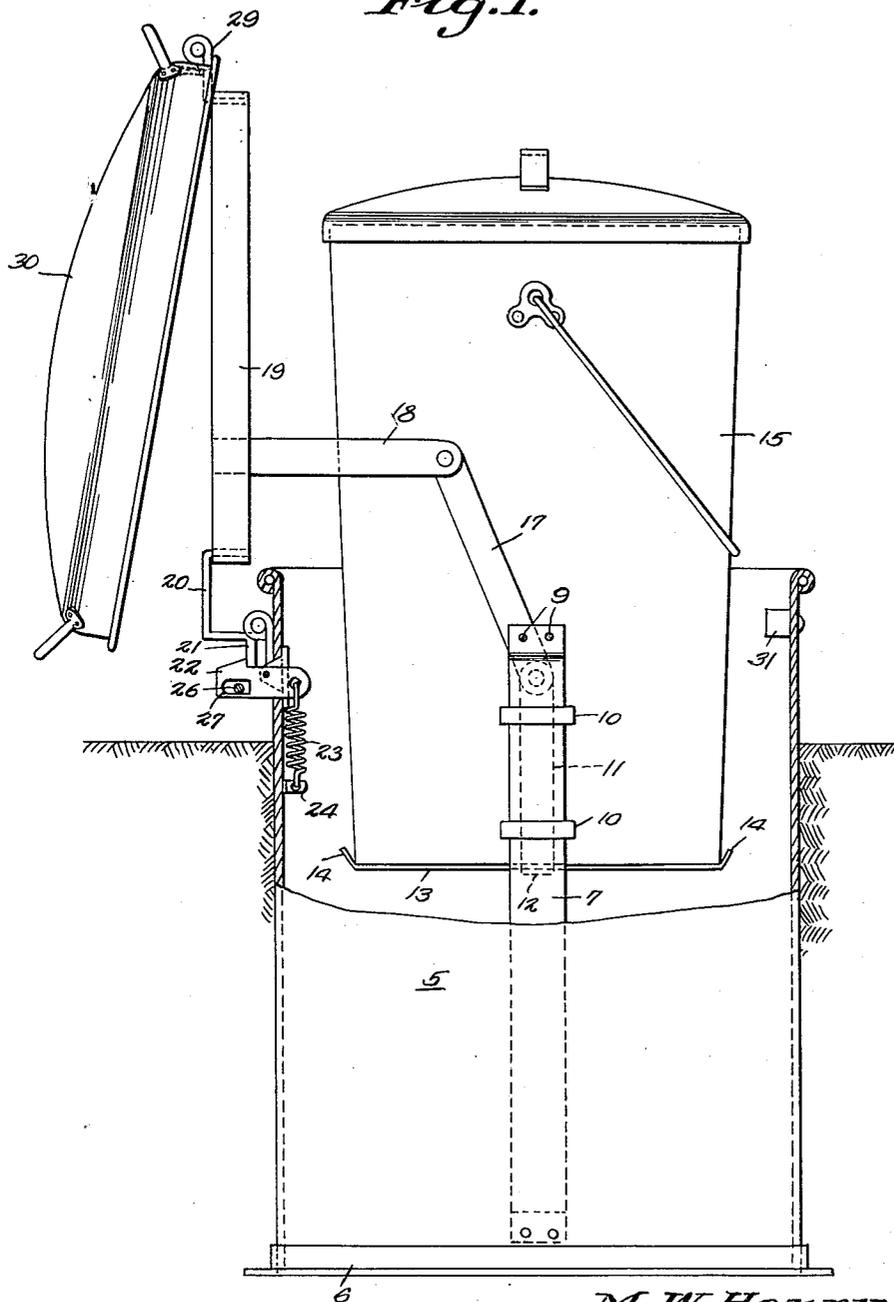
M. W. HENRY
GARBAGE CAN CONTAINER

2,528,056

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2 Sheets-Sheet 1

Fig. 1.



M. W. Henry
INVENTOR

BY *Cathow & Co.*
ATTORNEYS.

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2 Sheets-Sheet 2

Fig. 2.

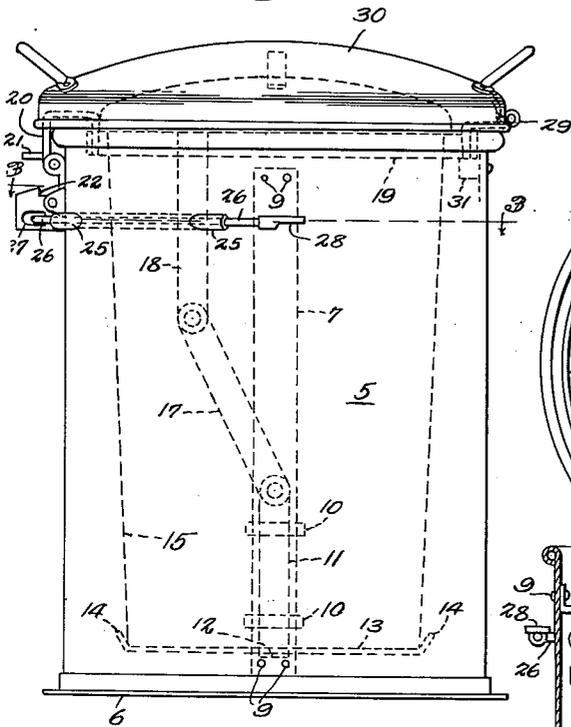


Fig. 4.

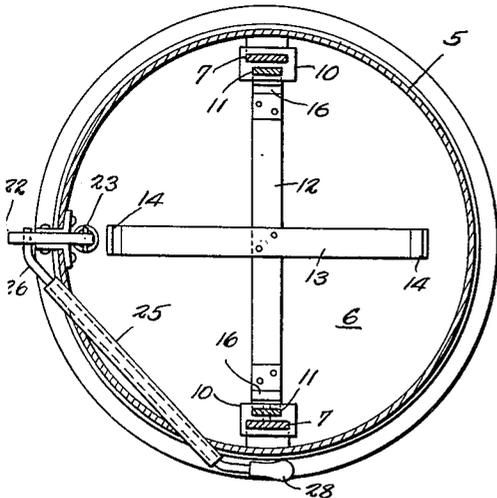
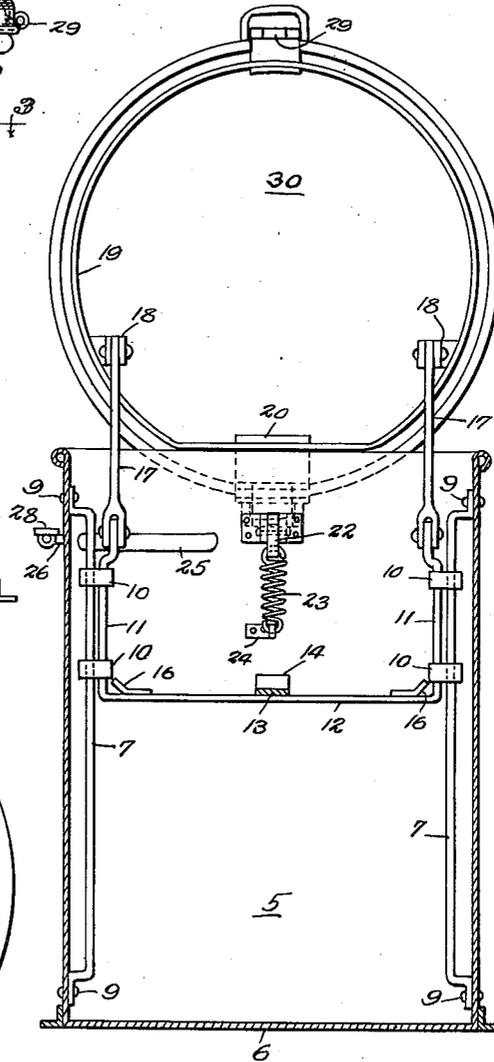


Fig. 3.

M. W. Henry

INVENTOR

BY *Chas. W. Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE

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GARBAGE CAN CONTAINER

Murray W. Henry, San Antonio, Tex., assignor of
one-half to Fred H. Smith, San Antonio, Tex.

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3 Claims. (Cl. 220-17)

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This invention relates to garbage can containers and particularly to that type of container which is partially buried in the ground, the container having garbage receptacle supporting means which moves vertically to a position above the top of the container so that the garbage receptacle may be readily removed therefrom.

An important object of the invention is to provide means for automatically holding the garbage elevating apparatus in its elevating position, to permit the ready removal of the garbage can without interference by the elevating mechanism.

Another important object of the invention is to construct the garbage receptacle elevating mechanism in such a way that the cover of the container will be removed with the operation of the garbage receptacle elevating mechanism, the cover moving to its closed position when the elevating mechanism returns to its lower supporting position within the container.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts, hereinafter more fully described and pointed out in the claims, it being understood that changes may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

Referring to the drawing:

Figure 1 is an elevational view showing the container partly in section, with the garbage receptacle as elevated for removal of the garbage receptacle.

Fig. 2 is an elevational view of the container in its closed position, the garbage receptacle being indicated in dotted lines.

Fig. 3 is a sectional view taken on line 3-3 of Fig. 2.

Fig. 4 is a vertical sectional view through the container, illustrating the elevating mechanism and cover in elevated positions.

Referring to the drawing in detail, the container in which the garbage receptacle is enclosed, is indicated generally by the reference character 5, the container having the flanged bottom 6 so that the device may be bolted or secured to a suitable supporting surface. As shown, the container is of a length to extend a substantial distance above the ground surface to provide a clearance for the hinge of the operating ring and latch member.

Disposed within the container and secured to the inner surface thereof, are guides 7, each of

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which comprises a vertical bar formed with offset ends that have openings to receive the rivets 9, by means of which the guides are secured in position.

These guides are disposed directly opposite to each other and support the members 10 which are formed with openings to accommodate the guides 7 for sliding movement longitudinally of the guides 7.

These members 10 are formed with openings through which the upstanding arms 11 of the garbage receptacle elevating mechanism extend and are secured so that the members 10 will move vertically with the elevating mechanism.

The arms 11 are formed at the ends of the bar 12, which bar 12 also provides a support for the bar 13, that connects with the bar 12 at a point intermediate the ends of the bar 12, the bar 13 extending at right angles with respect to the bar 12. Upturned ends 14 are formed on the bar 13 and provide stops against which the lower end of the garbage receptacle, indicated by the reference character 15 engages, holding the garbage receptacle on the support of the elevating mechanism. Clips 16 are secured to the upper surface of the bar 12 adjacent to the arms 11 to further brace the bottom of the garbage receptacle to hold it against lateral movement.

The upper ends of the arms 11 are offset inwardly, where they have pivotal connection with the links 17, that in turn have pivotal connection with the arms 18, which are secured to the operating ring 19, the ring 19 being of a diameter to fit on the upper edge of the container when moved in its lowermost position. A hinge 20 connects with the ring 19 and has pivotal connection with the container 5, as shown by Fig. 1 of the drawings, there being provided an extension 21 on the hinge 20 that provides a keeper against which the latch 22 engages, holding the ring 19 in its elevated position, so that it will be out of the way to permit the ready removal of the garbage receptacle 15. The latch 22 is held in contact with the extension 21, by means of the coiled spring 23, which connects with one end of the latch and has its opposite end anchored to the wall of the container through the medium of the ear 24.

Secured to the container 5 is the tubular bearing 25 through which the operating rod 26 extends, one end of the operating rod being offset and extended through the opening 27 of the latch 22, the opposite end of the operating rod being formed into a handle 28, by means of which the rod may be rotated to move the latch 22 vertically

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to disengage the extension 21 and allow the elevating mechanism of the container to lower.

Secured to the operating ring 19 is a hinge 29 one leaf of which extends into a cut-out portion in the edge of the container cover 30 where it is secured to the cover, holding the container cover to the ring 19, the cover moving to close the container, with the downward movement of the elevating mechanism and garbage receptacle positioned thereon. With this construction it will be possible to open the cover with the garbage can in its lowered position.

From the foregoing it will be seen that due to the construction shown and described, I have provided a garbage container which may be secured to a support above the ground surface, or the device may be buried in the ground surface, the container having vertically movable elevating means on which a garbage receptacle rests, to the end that the garbage receptacle may be elevated and then lowered, to be concealed in the container.

It might be stated that a stop 31 extends inwardly from the wall of the container and on which the operating ring 19 rests when it is moved to its position within the top of the container, thereby supporting the weight of the ring and cover 30.

Having thus described the invention, what is claimed is:

1. In a garbage receptacle container, a body portion, guides extending inwardly from the inner surface of the body portion, a vertically movable garbage receptacle support operating within the body portion, bearing members on the garbage receptacle support movable over the guides whereby the garbage receptacle support is moved vertically within the container, links connected with the garbage receptacle support, arms pivotally connected with the links, an operating ring hingedly connected to the upper end of the container to which the pivotal arms are connected, moving the arms, links and garbage receptacle support as the operating ring swings vertically,

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a container cover positioned on the operating ring, closing the container when the operating ring moves to its lowermost position, and means for holding the operating ring and cover in an open position.

2. In a garbage receptacle container, a body portion, guide members secured within the body portion, a garbage receptacle support embodying cross bars, the ends of one of said bars extending upwardly providing vertical arms, bearing members secured to the vertical arms and operating over the guide members, an operating ring pivotally connected with the body portion, pivoted links and arms connecting the operating ring with the vertical arms of the support whereby vertical swinging movement of the operating ring moves the garbage receptacle support vertically extending the garbage receptacle positioned on the support above the upper end of the container, and a cover mounted on said ring.

3. In a garbage receptacle container, a body portion adapted to be embedded in the ground surface, a garbage receptacle support mounted within the body portion, means for raising and lowering the garbage receptacle support, said means embodying an operating ring pivotally connected to the body portion, pivoted arms and links connecting the ring with the garbage receptacle support, and a cover removably connected with said operating ring, closing the body portion when the ring is lowered to a position within the upper end of the container.

MURRAY W. HENRY.

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