No. 868,821. PATENTED OCT. 22, 1907.

C. H. STEPHENSON.

GARBAGE RECEPTACLE CONTAINER.

APPLICATION FILED JULY 3, 1905.

2 SHEETS—SHEET 1.

Fig. 1.

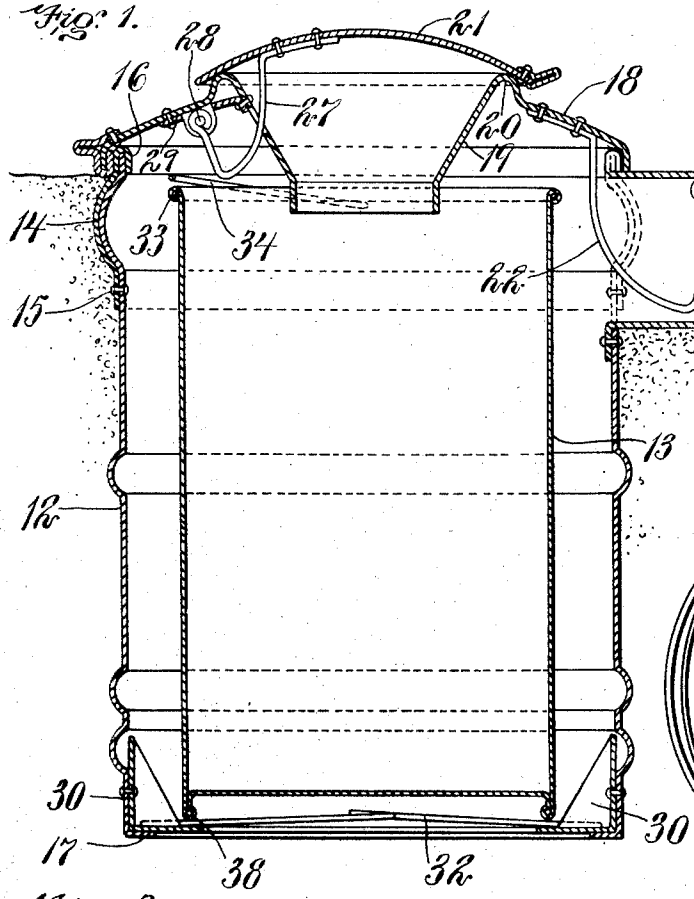


Fig. 2.

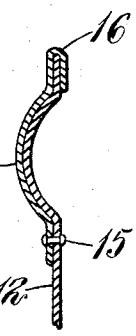


Fig. 4.

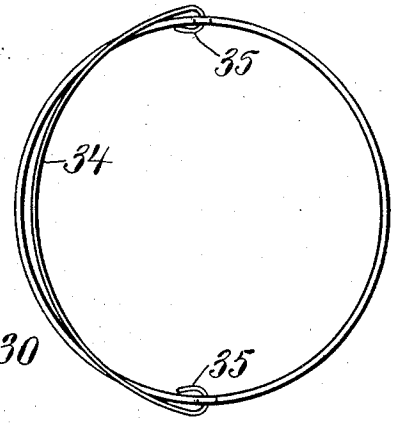


Fig. 3.

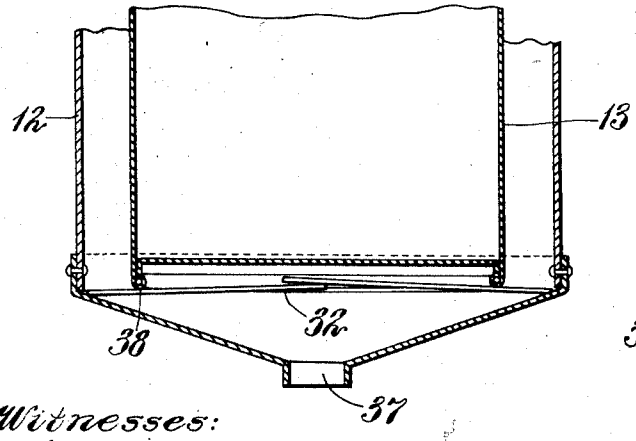
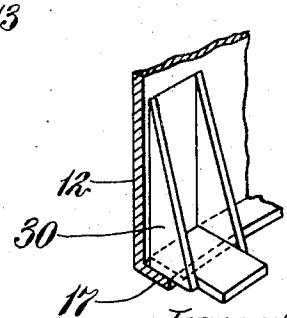


Fig. 5.



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2 SHEETS—SHEET 2.

Fig. 6.

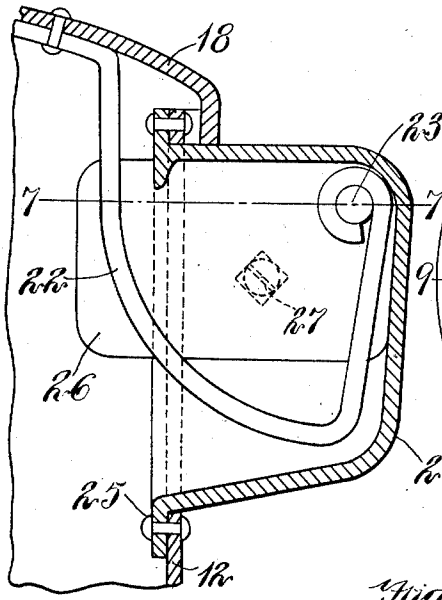


Fig. 8.

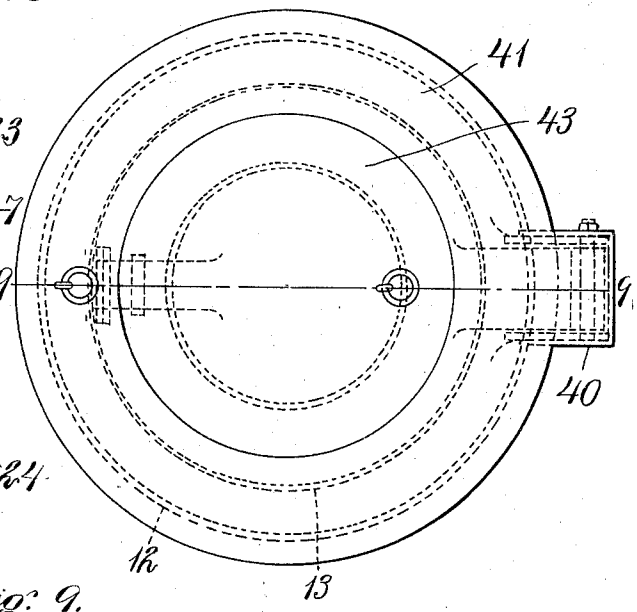


Fig. 7.

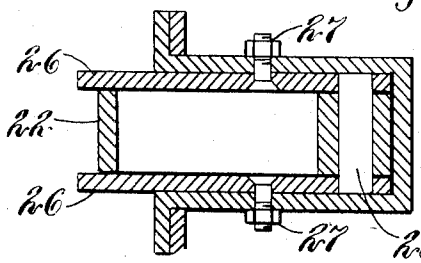
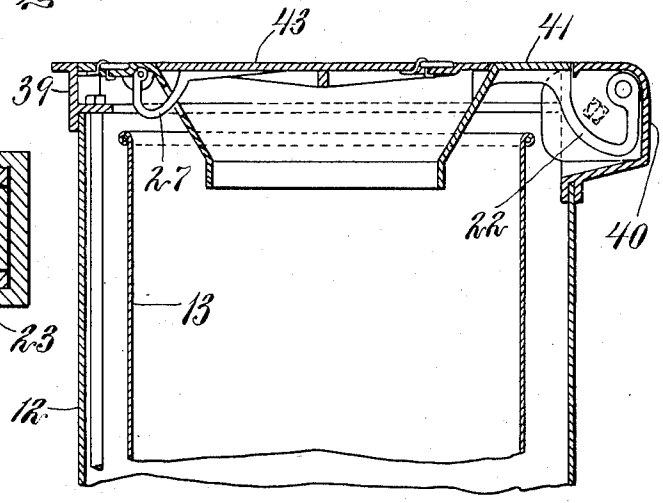


Fig. 9.



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UNITED STATES PATENT OFFICE.

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GARBAGE-RECEPTACLE CONTAINER.

No. 868,821. Specification of Letters Patent. Patented Oct. 22, 1907.

Application filed July 3, 1905. Serial No. 268,243.

To all whom it may concern:

Be it known that I, CHARLES H. STEPHENSON, of Lynn, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Garbage-Receptacle Containers, of which the following is a specification.

This invention relates to receptacles for garbage, which term is intended to include waste matter of various kinds, and not only household refuse, but also sweepings of streets, platforms, etc., and other refuse matter.

The class of garbage-holders to which my invention relates comprises a fixed container adapted to be placed in an opening in the ground or otherwise supported, and a portable garbage-holder adapted to be inserted in the container, the latter being provided with a hinged primary cover, which when open permits the insertion and removal of the garbage-holder, the primary cover having an opening inclosed by a secondary cover, which when opened permits refuse matter to be deposited in the holder without opening the primary cover. An apparatus of this character is shown in Letters Patent of the United States No. 722,766, granted to me March 17, 1903.

The present invention has for its object to provide various improvements in apparatus of this character, the improvements relating chiefly to the container, although embodied to some extent in the portable holder.

The invention consists in the improvements which I will now proceed to describe and claim.

Of the accompanying drawings, forming a part of this specification,—Figure 1 represents a vertical central section of a portable garbage-holder, and a fixed container therefor embodying my invention. Fig. 2 represents an enlargement of a portion of Fig. 1. Fig. 3 represents a fragmentary sectional view, showing the bottom of the container provided with an outlet. Fig. 4 represents a top view of the portable holder, removed from the container. Fig. 5 represents a fragmentary perspective sectional view, showing a portion of the container. Fig. 6 represents an enlargement of a portion of Fig. 1. Fig. 7 represents a section on line 7—7 of Fig. 6. Fig. 8 represents a top view of a different form of container embodying my invention. Fig. 9 represents a section on line 9—9 of Fig. 8.

The same reference characters indicate the same parts in all the figures.

Referring for the present to Figs. 1 to 7, inclusive, 12 represents the body of my improved container for a portable garbage-holder or receptacle 13. The container 12 is preferably made entirely or chiefly of sheet-metal, and of cylindrical form. The top portion, constituting the mouth of the container, is preferably reinforced by an external sheet-metal band 14, which band, as well as the portion of the body of the container adjacent thereto, is curved in cross-section, its lower edge being connected by rivets 15 with the body of the container, while its upper edge is bent at 16 over the upper edge of the container-body. The lower end of the container-body is preferably bent inwardly, forming a flange or seat 17. This construction not only provides a strengthening means against distortion of the container at its upper end, but the curvature of the bulging portion of the body and band will form, when the container is placed in the ground as indicated in the drawings, a means tending to retain the container in its position either by being forced upwardly or downwardly.

18 represents the primary cover, which is preferably formed by pressing or stamping sheet or plate metal of suitable thickness into an annulus the outer portion of which constitutes the annular body and rim of the cover, while the inner portion constitutes the chute 19, the said body and chute being oppositely inclined, and meeting at 20 to form a seat for the secondary cover 21.

The primary cover 18 is connected with the body of the container by a hinge composed of an elbow-shaped arm 22 affixed at one end of the under side of the cover 18, its opposite end being mounted to turn on a pintle 23 supported by the body of the container, and preferably located in a recess or pocket 24, which is offset from one side of the container and opens into the latter near its mouth. The pocket 24 is preferably formed of sheet metal, and has a marginal flange 25, which is seated on the interior of the container-body 12, the latter having an opening cut in it for the reception of the pocket 24. 26 26 represent reinforcing plates, which are connected by bolts 270 to the sides of the pocket, and project from the pocket into the interior of the container, to prevent the portable holder 13 from fouling the hinge-arm 22. The reinforcing plates 26 support the hinge-pintle 23, as clearly shown in Fig. 7.

The secondary cover 21 is also preferably pressed or stamped from sheet or plate metal, and is connected with the primary cover by a hinge similar to that above described, and comprising an elbow-shaped arm 27 affixed to the under side of the secondary cover, passing through an opening in the chute 19, its opposite end being engaged with a hinge-pintle 28 supported by ears on a plate 29 affixed to the under side of the primary cover.

It will be seen that the improved form of hinge above described is adapted to be protected from water, ice, etc., the pintle member of the hinge being in each case protected against the admission of water to it. The pintle 23 of the primary-cover hinge is protected by

the top of the pocket 24, while the pintle 28 of the secondary-cover hinge is protected by the primary cover.

In Figs. 1 and 5, I show corner brackets 30 at the lower end of the container 12, for the purpose of centering the portable holder 13 when it is lowered into the container, said brackets having inclined edges adapted to guide the holder 13 to its seat. These brackets may be pressed from plate or sheet metal, or they may be castings. They are suitably riveted or otherwise secured to the container 12.

The seat 17 at the lower end of the container may project inwardly from the brackets 30 to directly support the holder 13, or said seat may be of reduced width, as shown in Fig. 5, and used to support a movable grid or spider 32, which in turn supports the garbage-holder 13.

The holder is composed of a sheet-metal body formed as a pail or bucket and having its upper end rolled over a reinforcing-ring 33 of wire. 34 represents a bent wire handle or bail, the ends of which are bent to form hooks 35 passed through orifices in a sheet-metal body under the reinforcing ring 33, said hooks being therefore engaged with the reinforcing ring. This constitutes a very simple and strong connection between the handle and the body. The handle is formed so that when at rest, it cannot drop below the upper end of the holder 13, but rests on the latter, as shown in Figs. 1 and 4. This arrangement makes the handle freely accessible, and prevents that inconvenience which would be occasioned if the handle were free to drop below the upper end of the holder 13.

In Fig. 3, I show the lower end of the container provided with a dished bottom 36, provided at its lower portion with an outlet 37 for any liquid which may find its way into the container. The outlet 37 should communicate with some suitable drain or conduit formed below the container. Fig. 3 also shows the supporting grid or spider 32 resting on the upper portion of the dished bottom 36.

The lower end of the body of the holder 13 is preferably extended below the bottom of said holder, as shown in Figs. 1 and 3, said lower edge being provided with a wire-reinforcing ring 38, and constituting a continuous or annular tipping handle at the lower end of the holder, so that the operator holding the bail in one hand may conveniently tip the holder by applying his other hand to the extended lower end of the same.

In Figs. 8 and 9, I show the container-body 12 provided with a cast-metal top ring or member 39, constituting the mouth of the container, said ring being formed at one side with an offset recess or pocket 40, which serves the same function as the pocket 24 above described. The primary cover 41 is connected with the container by a hinge similar to that shown in Figs. 1 and 6, the pintle of said hinge being located within the pocket 40, and protected by the top thereof. The secondary cover 43 is connected with the primary cover by a hinge similar to that shown in Fig. 1, the pintle of said hinge being located below and protected by the primary cover. In this embodiment of my invention, the upper end of the top member 39 and the upper surfaces of the primary and secondary covers are all flush with each other.

I claim:

1. In a container of the character stated, a receptacle-containing body having an opening, a cover for said opening and a hinge connecting said body and cover and comprising an elbow-shaped arm affixed to the cover, and a hinge pintle supported by the body and engaging one end of the arm, said hinge and pintle being located entirely within the walls of the body and cover, means being provided for preventing fouling of the arm of the hinge by the contents of the container.

2. In a container of the character stated, a body having an opening or mouth, and a covered off-set chamber or recess, a cover for said opening and a hinge comprising an elbow-shaped arm affixed to the cover and extending into the recess, and a pintle supported by the walls of the recess and engaging one end of the arm, means being provided for preventing fouling of the arm by the contents of the container.

3. A container comprising a body, an annular primary cover hinged thereto and having a chute constituting the inner portion of the annulus, the outer and inner portions of the annulus meeting to form a raised hollow annular seat, and a secondary cover hinged to the primary cover and formed to bear on said seat, the hinge members of the covers being located entirely within the walls of the container and covers.

4. A container comprising a sheet metal body having an off-set chamber or recess at one side of its mouth, reinforcing pieces secured to opposite sides of the recess and projecting therefrom into the body, a body cover, and a hinge connecting the cover with the body and comprising an elbow-shaped arm affixed to the cover and a hinge pintle engaged with the reinforcing piece within the recess.

5. A garbage holder comprising a sheet metal body extended below the bottom of the holder and having an inwardly-rolled wire-reinforced edge located under the bottom, said edge being free from external projecting portions and providing a continuous or annular inwardly projecting bead forming a tipping handle, and enabling the exterior of the holder to be left free from protuberances.

6. A container of the character stated having a sheet metal body, and centering brackets having inclined guiding edges and attached to the lower portion of the said body, said brackets having means at the bottom of said edges for supporting a receptacle independently of said guiding edges.

7. A container of the character stated having a sheet metal body with an inwardly-turned flange or seat at its lower end, and centering brackets above said flange, said brackets having projections resting on said flange adapted to extend under the bottom of a receptacle.

8. A container of the character stated having an inwardly-projecting seat and centering brackets provided with inclined guiding edges, and having means for supporting a receptacle independently of said guiding edges, and a receptacle supporting spider resting on said seat.

9. In a container of the character described, a sheet metal body having its upper portion, at a point below the upper end of the body, curved in cross-section to form an annular bulge; and a reinforcing band formed to fit the outer surface of said bulged portion, said band being of a width to extend below, said bulged portion and over the upper edge of the container, the band being secured to the body by being riveted thereto below said bulged portion and bent over the upper edge of the body.

In testimony whereof I have affixed my signature, in presence of two witnesses.

CHARLES H. STEPHENSON.

Witnesses:
C. F. BROWN,
E. BATCHELDER.