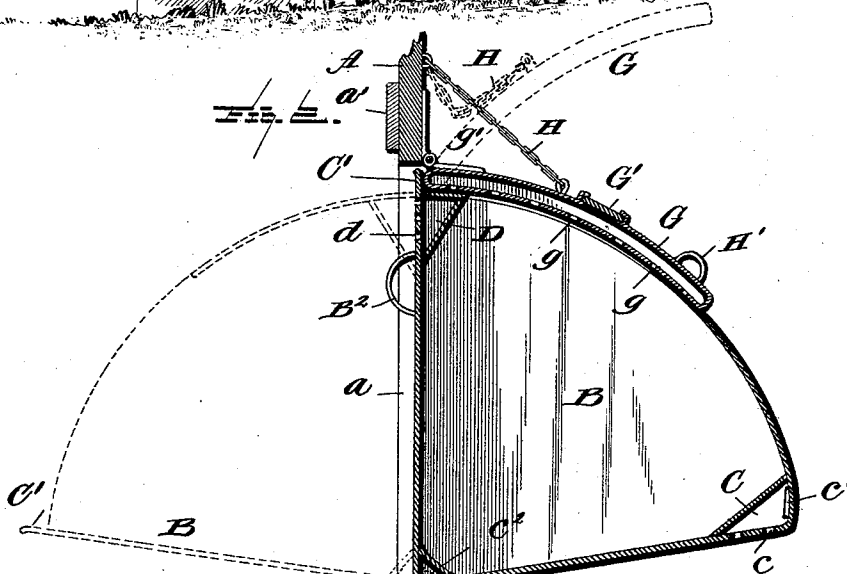
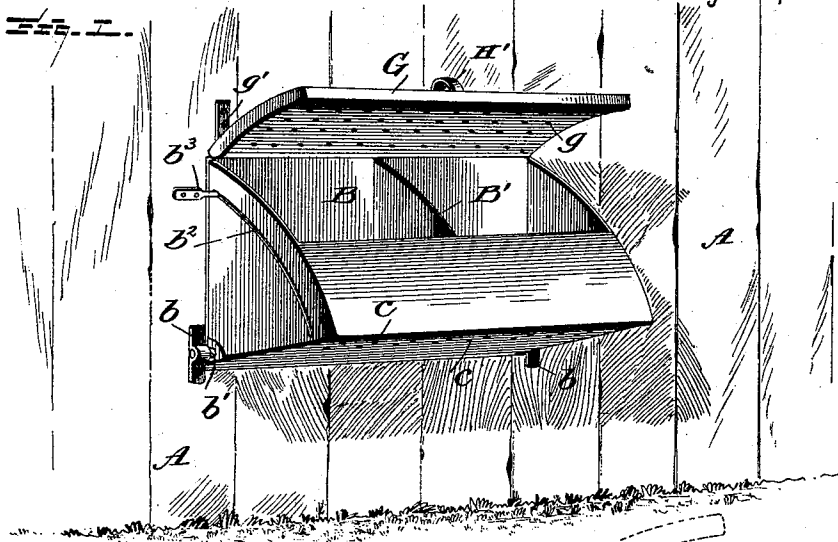


(No Model.)

E. B. MERRITT.
GARBAGE RECEPTACLE.

No. 478,702.

Patented July 12, 1892.



UNITED STATES PATENT OFFICE.

EDWARD B. MERRITT, OF CHICAGO, ILLINOIS.

GARBAGE-RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 478,702, dated July 12, 1892.

Application filed March 3, 1892. Serial No. 423,622. (No model.)

To all whom it may concern:

Be it known that I, EDWARD B. MERRITT, a citizen of the United States, residing at Chicago, in the county of Cook, State of Illinois, have invented certain new and useful Improvements in Garbage-Receptacles, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention has relation to garbage-receptacles of that class which are adapted to be mounted to operate through an aperture in a wall or fence to receive and deliver garbage, and it is an embodiment of certain improvements upon my invention for which Letters Patent No. 468,046 were granted me February 2, 1892. It is found in actual use of devices of this character that garbage-collectors are liable to scatter the garbage on the ground under the receptacle and that the same occurrence frequently happens through carelessness or negligence of persons depositing garbage in the receptacle, so that in both cases there remains exposed to the atmosphere considerable quantities of garbage, which attracts insects, vermin, and threatens or tends to produce disease. In my previous invention set forth in the patent above mentioned I made provision for the deposition of a disinfectant within the garbage-receptacle, whereby its interior would be charged from time to time during its use with a powdered or liquid disinfectant, and provision was also made whereby said disinfectant could escape from the receptacle to the ground. The compartment for the disinfectant was located at a point within the receptacle which had the least motion in a use of the receptacle—namely, immediately adjacent to the pivotal bearings of the receptacle—so that whatever the quantity of the disinfectant was delivered upon the ground was incidental and by reason of the accidental discharge thereof, so that the object attained, though substantially satisfactory, was not sufficiently under control.

I have discovered that by placing the chamber or compartment for the disinfectant at a point or points which by and during or after the necessary movements of the receptacle to deliver be put in a condition to receive and receiving garbage shall be given a positive effective jarring, which shall positively and effectively eject a quantity of the disinfectant

from its compartment. Again, it is desirable that the area or surface of the ground at both sides of the wall or fence to be covered by the disinfectant shall be as great as that over which the garbage could naturally be carelessly scattered. This latter object is also attained by the same means as the former—that is, by locating the compartment for the disinfectant at such a part of the garbage-receptacle as will in its use give to the compartment a motion sufficient to positively eject a portion of its contents.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a perspective view illustrating my improvement in position with the cover raised. Fig. 2 is a transverse vertical section through the box and fence or wall. Fig. 3 is a like view on a smaller scale, showing a slightly-modified form.

Like letters of reference indicate like parts throughout the several views.

Referring now to the details of the drawings by letter, A designates a wall or fence, in which is provided a suitable opening *a*, through which the garbage-box is designed to move. In applying or affixing the garbage-box a cleat or cleats *a'* may be secured to the fence upon one or both sides of the opening therein, as shown in Fig. 2, for the purpose of strengthening the same at this or these points. In affixing the box pivotally to the fence at the said opening therein all that is necessary is two sockets or castings *b* to be secured to the fence and adapted to receive the trunnions *b'*, suitably affixed to the garbage-box B at the angle thereof.

In Fig. 1 I have shown the end of the box as provided with a curved guide-slot *b²*, in which works a projection or pin *b³* on the fence to guide the box in its movements; but this is not essential and may be dispensed with, if desired. If desired, the garbage-box may be divided into two separate compartments by a partition *B'*, as seen in Fig. 1. It may also be provided with some sort of a

handle B², as seen in Fig. 2, to facilitate movement thereof to remove its contents.

The garbage-box may be provided at one or both of its extreme outer corners with a disinfectant-compartment. In Fig. 2 it is shown as provided with a compartment C at the inner corner—that is, the corner normally within the yard. Such compartment may contain any suitable disinfectant, and is perforated, as shown at *c*, to permit the discharge of the same, it being charged in any suitable manner—as, for instance, through a slide *c'*, as seen in Fig. 2. In Fig. 2 the box is shown as provided with a compartment D at the other corner, likewise provided with perforations *d* for the same purpose as the perforations *c* in the compartment C. The box may be provided with a strip *c*² at its pivot-angle, as shown in Figs. 2 and 3, to avoid a sharp angle or corner at this point, and thus facilitate the removal of the garbage.

The box may be limited in its movements in various ways. When the slot *b*² and pin *b*³ are employed, they will serve to limit the movement of the box in a manner well understood.

In Fig. 2 the box is shown as having its rear wall or side extended above the top to form a stop-flange C', which is designed to engage the rear edge of the cover or lid, as seen in said Fig. 2, and as will be hereinafter explained.

In Fig. 3 I have shown the box as provided at one end with a hook E, designed to engage the fence by the side of the opening to limit the movement of the box in one direction, and another hook F to engage upon the other side to limit the movement in the opposite directions. These matters, however, are details, which may be modified to suit the circumstances or the desires of the user.

When the box is turned outward to remove its contents, the disinfectant will be discharged from the compartment or compartments, as indicated by the arrows in Fig. 3, and when the box is thrown back the disinfectant will also be discharged through the perforations, as seen in the same figure.

The box is provided with a suitable lid or cover G, which I make hollow and perforate it upon its under side, as seen at *g* in all the views. It may be charged with disinfectant in any suitable manner—as, for instance, through an opening closed by a slide G', as seen in Fig. 2. This lid or cover may be hinged to the fence in any suitable manner (shown with hinges *g'*) and may be held so as to at all times assume the position in which it is shown by full lines in Fig. 2, except of course when turned on its hinges for the removal or deposit of garbage, and is shown as provided with a chain H for this purpose. Its rear edge or end is in such position as to be struck by the flange of the box when the latter is returned to its position within the yard, and, thus striking the cover, jars

it, and the disinfectant discharged within the box; or the cover may be supported simply by its hinges, so that when the box is turned outward to remove the contents, as seen in Fig. 3 by dotted lines, the cover will drop down into the position shown by dotted lines in said Fig. 3, and when the box is returned to its normal position it will be engaged by the box and returned to its normal position, and thus agitated enough to deposit the disinfectant upon the interior of the box. The cover, it will be noticed, does not travel with the box, so that when the box is turned outward to remove its contents the opening therein is disclosed and the garbage-collector does not have to bother with the cover nor hold it open while he is removing the contents of the box. The cover may be provided with a suitable handle H', by which it may be opened to deposit the garbage into the box. The disinfectant-compartments being located at the corners of the box, which have the maximum movement, the disinfectant will be distributed over as much, if not more area, than the box covers in its movements, so as to effectually deposit the disinfectant upon all garbage which can possibly be scattered either in placing garbage in the box or removing the same therefrom.

Parts may be used without the whole. The cover constructed and arranged as above described may be employed without the presence of the compartments at the corners, and vice versa, although it is of course desirable, for reasons above given, to employ both in the one structure.

What I claim as new is—

1. A garbage-receptacle provided with a co-operating disinfectant-chamber at a distance from its pivot and constructed, located, and arranged to receive from the ordinary movements in the use of the receptacle, a disinfectant-ejecting force, as set forth.

2. A pivotally-mounted garbage-receptacle having a hinged cover provided with a disinfectant-chamber, as set forth.

3. A pivotally-mounted garbage-receptacle having a disinfectant-chamber located with relation to the pivot of the receptacle to scatter the disinfectant over the area covered by the receptacle in its movements, substantially as specified.

4. A pivotally-mounted garbage-receptacle having disinfectant compartment, combined with a cover having disinfectant-chamber, as set forth.

5. A pivotally-mounted garbage-receptacle and an independently-mounted cover having disinfectant-chamber, combined and operating as set forth.

6. The combination, with a pivotally-mounted garbage-receptacle, of a pivotally-mounted cover having chamber for disinfectant, said receptacle being movable independent of the cover, substantially as specified.

7. A pivoted garbage-receptacle provided

with a disinfectant-chamber located at a distance from the support of the receptacle, substantially as specified.

5 8. A pivoted garbage-receptacle provided with a cover having a disinfectant-chamber, said chamber being mounted with relation to the receptacle so as to be shocked or jarred by the contact of one with the other, substantially as specified.

10 9. A pivoted garbage-receptacle, combined with a hinged cover having disinfectant-

chamber, said chamber being mounted to distribute its contents both into and outside of the receptacle and arranged to be actuated by the contact of one with the other, as set forth. 15

In testimony whereof I affix my signature in presence of two witnesses.

EDWARD B. MERRITT.

Witnesses:

C. A. McKEAND,
J. R. THACKER.