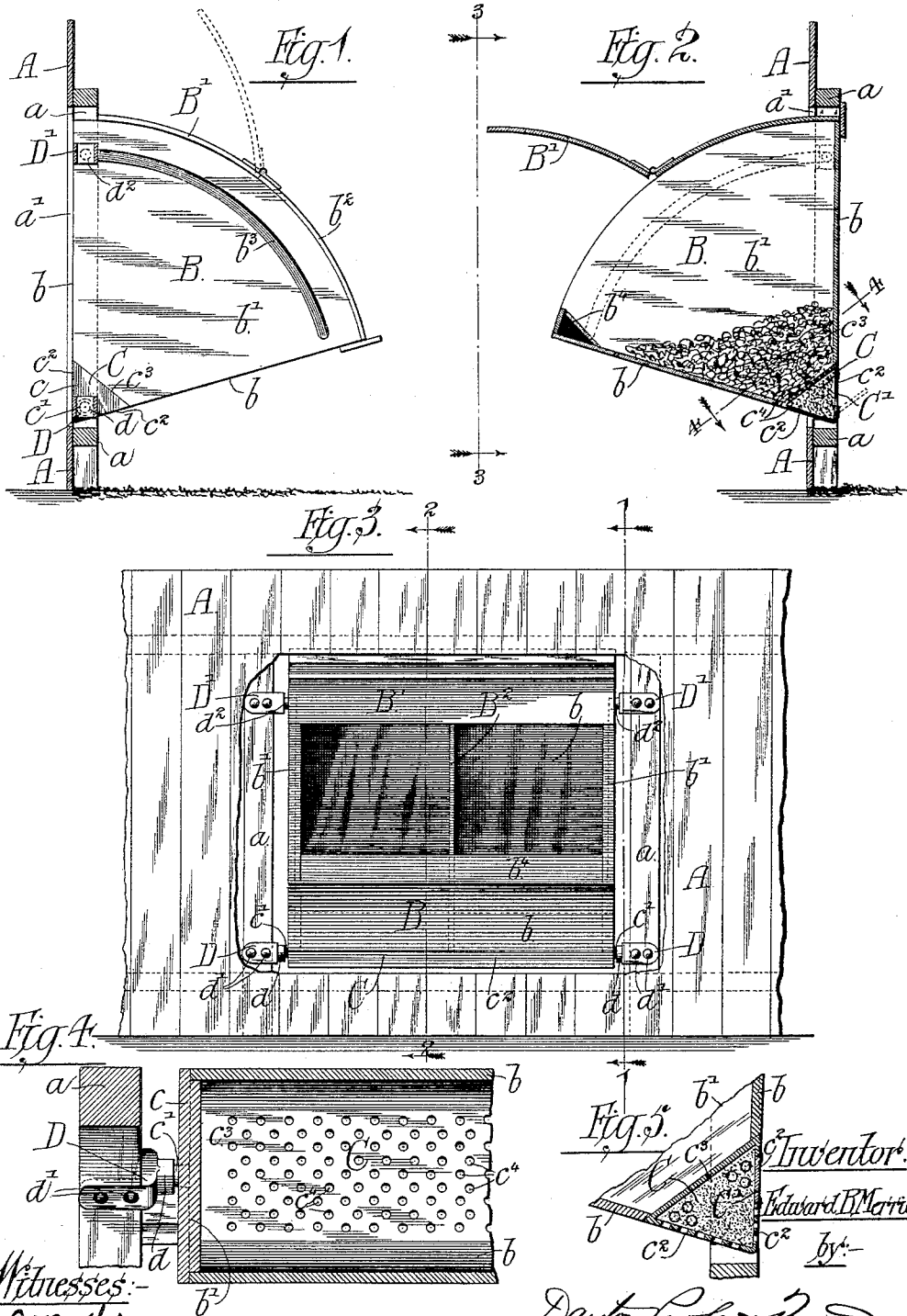


(No Model.)

E. B. MERRITT.
GARBAGE RECEPTACLE.

No. 468,046.

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UNITED STATES PATENT OFFICE.

EDWARD B. MERRITT, OF CHICAGO, ILLINOIS.

GARBAGE-RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 468,046, dated February 2, 1892.

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To all whom it may concern:

Be it known that I, EDWARD B. MERRITT, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Garbage-Receptacles; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in garbage boxes or receptacles; and the object is to produce a device which will overcome all the objections and inconveniences attendant upon the present modes of holding and clearing away garbage.

A further object is to produce a device of the character and for the purpose mentioned that will be easy of application, neat in appearance, thoroughly efficient and durable for the purpose, and at the same time inexpensive in the cost of its manufacture.

A further object of the invention is to provide means whereby a suitable disinfectant may be placed within the garbage-box for the purpose of disinfecting the contents of the box or the ground adjacent thereto and thus lessening the possibilities of disease arising from the decaying matter usually deposited in garbage-boxes.

The invention further consists in the arrangement of parts more particularly set forth in the drawings, and pointed out in the appended claims.

In said drawings, Figure 1 is an end view of my garbage-box, showing the fence in cross-section, the same being taken upon line 1 1 of Fig. 3. Fig. 2 is a transverse vertical sectional view through the box and fence, taken upon the line 2 2 of Fig. 3. In Fig. 1 the box is shown as tilted back into the yard, while in Fig. 2 the box is shown as tilted open into the alley. Fig. 3 is a vertical elevation of the fence and garbage-receptacle, looking at the latter from the alley and in the direction of the arrows 3 3 adjacent to Fig. 2. Fig. 4 is an enlarged sectional view on line 4 4 of Fig. 2, showing a portion of the bottom of the receptacle in plan view. Fig. 5 is an enlarged sectional view of a modification of the disinfectant-receptacle.

In the drawings let A represent a fence supported by posts *a* in the usual manner, between any two of which is a cut-away portion or aperture *a'*.

B is the garbage-box proper, which may be of any desired shape, but is preferably in segmental form, as shown. The box B is composed of the two side walls *b b* and the two end walls *b' b'*, the two end walls being rounded at their upper margins, as shown, and are provided with a top or cover *b²*, extending over a portion of the box-top. This portion *b²* is preferably secured permanently to the box B. At its forward margin the movable lid or cover B' is secured by hinges or other suitable means. The lid B' may, however, be secured to the box by simply being placed in position thereon or by sliding thereon in an obvious and well-known manner.

The bottom of the garbage-box B is provided with a covered trough C, triangular in shape, which constitutes the disinfectant-receptacle. The ends *c* of the trough are each provided with trunnions *c'*, which form the pivots of the box, said trunnions *c'* being inserted in suitable sockets or bearings *d*, formed in the hub-shaped ends of stirrup or U shaped castings D, which latter embrace and are secured to the fence-posts *a* by bolts *d'* or by other suitable means at or near the lower portion of the aperture. As will be noted, the sockets of the straps D extend inwardly in the aperture *a'* of the fence, and the garbage-box B and pivots *c'* are placed between said straps D. The trunnions and bearings are made of cast or wrought metal.

Near the other end of the aperture and similarly secured to each post *a* are the straps D', the inner end of each of which is provided with a pin *d²*. These pins *d²* engage a curved elongated slot *b³*, formed in each end wall *b'* of the garbage-box B. By means of said elongated slots and the pins *d²* the upper end of the garbage-box B is guided in its pivotal movement through the aperture, and at the same time the throw of said box is limited by the ends of said elongated slots coming in contact with the said rigid pins.

One of the side walls *c² c²* of the trough C is provided with a door C', through which access may be had to the interior of the trough C for the purpose of inserting a proper disin-

fectant, the said door C' being preferably hinged at its lower end and secured at its upper end by any suitable catch or fastening device. That portion of the wall of the trough or receptacle C—to wit, the top thereof c^3 —which constitutes the bottom of the garbage-box proper is provided with a plurality of perforations or apertures c^4 , which openings establish a communication between the disinfectant in the trough C and the contents of the box B. The door C' will be made tight, so that the trough C will hold a liquid. The disinfectant may be placed in the trough C by being poured therein through the apertures c^4 or by first saturating a sponge with the disinfectant and then placing the sponge within the trough. The door C' may thus be dispensed with if a liquid is used.

B² is a vertical partition placed in the garbage-box B, which thus separates the box into two compartments, in which different classes of garbage or refuse may be placed, if desired.

b^4 is a board or suitable wall placed near the upper end of one of the side walls b of the box adjacent to that portion of the opening in the top of the box that will be adjacent to the outer or swinging end of the lid B' when the latter is closed. This inclined board b^4 facilitates the easy removal of the garbage or other contents of the box when the latter is swung into the alley in the position shown in Fig. 2.

Any suitable disinfectant may be employed. If a liquid disinfectant is employed, there will be no apertures in the two side or end walls c^2 c^2 c^2 of the compartment C, and the lid C' will either be kept closed or dispensed with. The box or receptacle B will be made of any suitable material that is suitable for the purpose, such as wood, galvanized iron, composition-stone, &c., but preferably of sheet metal.

Fig. 5 shows the construction of the trough C when a powdered or non-liquid disinfectant is used. In this case the top of the trough C is shown as imperforate; but the openings may be used, if desired. The side walls c^2 c^2 are perforated, so that the disinfectant may be sifted out through the said perforations onto the ground adjacent to the garbage-box from time to time whenever the box B is moved back and forth through the aperture a' in the fence. The lid B' of the box being kept normally closed, the non-liquid disinfectant becomes quite efficient even when not in direct communication with the contents of the garbage-box.

The method of using my improved garbage-box will be obvious from the above description. The box will normally stand in the position shown in Fig. 1—that is, inside of the fence. When it is desired to place any ashes or garbage in the receptacle, the lid B' is raised and the garbage inserted into the box. When the box is full, it is moved through the aperture into the position shown in Fig. 2, the lid raised, and the garbage removed by the garbage-collector.

What I claim as my invention is—

1. A garbage-holding vessel pivotally secured in an aperture in the fence and provided with a trough or receptacle in its bottom adapted to receive a suitable disinfectant, said trough or disinfectant-receptacle being provided with apertures, substantially as described.

2. A garbage-box comprising a segmental frame provided at its lower end with metal trunnions, an aperture in the fence adapted to receive the said box, metal trunnion-bearings on either side of the lower portion of said aperture adapted to engage and support the trunnions, and guide or stop pins on either side of the upper portion of said aperture adapted to guide and limit the movement of said box therethrough, said box being also provided with a trough or receptacle in its bottom adapted to receive a suitable disinfectant and being provided with suitable apertures in said trough or receptacle, substantially as described.

3. A garbage-box comprising a metallic segmental frame provided at its lower end with trunnions, an aperture in the fence adapted to receive the said box, trunnion-bearings on either side of the lower portion of said aperture adapted to engage and support the trunnions, guide or stop pins on either side of the upper portion of said aperture, each engaging an elongated slot in the end of said box, a trough or receptacle in the bottom of said box to receive a suitable disinfectant, and suitable apertures through the upper walls of said trough or receptacle whereby communication may be established between the disinfectant and the contents of the box, substantially as described.

I testimony that I claim the foregoing as my invention I affix my signature in presence of two witnesses.

EDWARD B. MERRITT.

Witnesses:

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