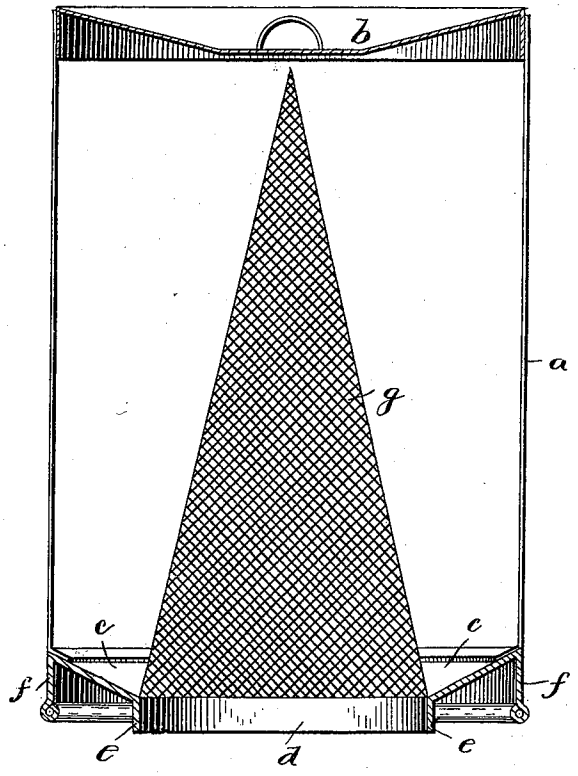
(No Model.)

W. H. BARRY.

GARBAGE RECEPTACLE.

No. 510,464. Patented Dec. 12, 1893.



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GARBAGE-RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 510,464, dated December 12, 1893.

Application filed January 5, 1893. Serial No. 457,303. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. BARRY, of Paterson, in the county of Passaic and State of New Jersey, 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 of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which forms a part of this specification.

This invention relates to certain improvements in garbage receptacles.

The object of the invention is to provide an improved garbage receptacle for domestic use, very cheap, simple and durable in construction and wherein the fluid can be drained from the garbage and garbage thoroughly dried and carbonized.

A further object of the invention is to improve garbage receptacles, adapted for drying garbage, in certain features of construction and arrangement so that an article very strong and durable and yet very effective in operation will be produced wherein garbage can be very quickly and thoroughly dried or carbonized throughout on any ordinary cooking stove or range, or other heating means without gases or odors escaping into the room or house.

The invention consists in certain novel features of construction and in combinations of parts more fully described hereinafter and particularly pointed out in the claims.

The drawing shows a central longitudinal vertical section of the garbage receptacle and drier.

In the drawing the reference letter *a*, indicates a receptacle of any suitable form or shape, preferably, cylindrical and constructed of some kind of durable metal. This vessel can be provided with any suitable handle or other means of easily lifting and handling.

The vessel is provided with a suitable tightly-fitting cover such as *b*, having its inner surface inclined from the outer edge downwardly toward the center so that the moisture condensed on said cover will move to the center thereof and drip down from the center.

c, indicates the bottom of the vessel having the central opening *d*, surrounded by the depending flange *e*. The bottom is also provided with a depending flange *f*, outside of, and preferably although not necessarily concentric with the flange *e*. This flange *f*, extends down from the outer portion or edge of the bottom of the vessel with its lower edge above the plane of the lower edge of the flange *e*, substantially as shown. The bottom of the vessel is inclined downwardly and centrally from its outer edge to said central opening so that all moisture will be guided to said opening. *g*, indicates a reticulated metal cone in said vessel having its base secured to the bottom thereof around said central opening therein, and extending centrally up from said bottom almost to the cover of the vessel so that the apex of the cone will be located directly beneath the central portion of the lid or cover.

In constructing these receptacles it has been found preferable to make the bottom, just described, in one piece of cast iron, copper, or other metal, with the two depending flanges integral therewith. The perforated cone can then be suitably secured around the opening in the bottom, and the bottom suitably secured in the open end of the vessel.

In using this invention, the receptacle is placed on a bucket or other vessel to receive the liquid drained from the garbage, the inner flange extending down into the vessel. The garbage is then thrown into the receptacle as occasion demands, the liquid thoroughly draining therefrom through the perforated cone and by reason of the inclined bottom through the central opening into the vessel. The garbage lies in the receptacle between the sides thereof and the cone, so that the cone forms a central draining and heating chamber extending entirely and centrally through the body of garbage. The garbage receptacle when filled or containing the desired amount of garbage is placed on the stove, the cover being placed tightly in position and the flange *e*, inserted in the stove opening, with the flange *f*, resting on the top of the stove around the stove opening forming a support for the receptacle and preventing the bottom of the vessel engaging the stove top. The heat, &c., from the fire pass into the drying chamber formed by the perforated cone and extending centrally through the length of the mass of

garbage, and thereby quickly permeate the mass, and thoroughly dry and carbonize the garbage. The gases, &c., are drawn down into the fire without escaping into the room. The flange *e*, resting in the stove hole, prevents gas escaping, but if any vapor or odor does get through the flange *e*, it will be arrested by the outer flange *f*, resting on the top of the stove. An effective check is thus provided to prevent escape of odor into the room. The inclined cover or top of the vessel guides all vapor condensed thereon during the process of drying to the upper end of the central heating chamber, and permits the same to drip through said chamber into the fire preventing such moisture dropping back onto the garbage.

When the garbage has been thoroughly dried it can be thrown into the fire or wherever desired without in any way endangering the health of the persons in the vicinity.

It is a point of great advantage and utility to locate the perforated heating chamber centrally and throughout the length of the garbage vessel so that the heat can be quickly and easily distributed throughout the garbage and the moisture and liquid discharged therefrom, and so that a more extended surface of the garbage will be directly exposed to the heat.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The garbage receptacle having the central vertical heating chamber extending up from an opening in the bottom thereof, a depending flange around said opening, and a depending flange outside of said first mentioned flange and forming a support, substantially as described.

2. The garbage receptacle having the bottom formed in one piece and inclined to the central opening therein, a depending flange around said opening, a depending flange from the outer edge of said bottom, and the perforated cone extending up from said bottom and surrounding the opening therein, substantially as described.

3. A portable garbage drier consisting of the vessel having the bottom arranged to fit on a suitable heater, having the central opening, a cover, and the perforated cone longitudinally located within the vessel and extending upwardly approximately throughout the length thereof to or almost to the cover thereof and at its lower edge secured around the opening in the bottom, thereby forming a support for the garbage which rests on the cone and a central air chamber within the garbage so that the mass of garbage can be thoroughly heated and dried throughout and the moisture therefrom will drop through the perforated cone into the fire, substantially as as shown and described.

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

WILLIAM H. BARRY.

Witnesses:
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