

(No Model.)

C. J. L. MACLEOD.
GARBAGE RECEPTACLE.

No. 503,212.

Patented Aug. 15, 1893.

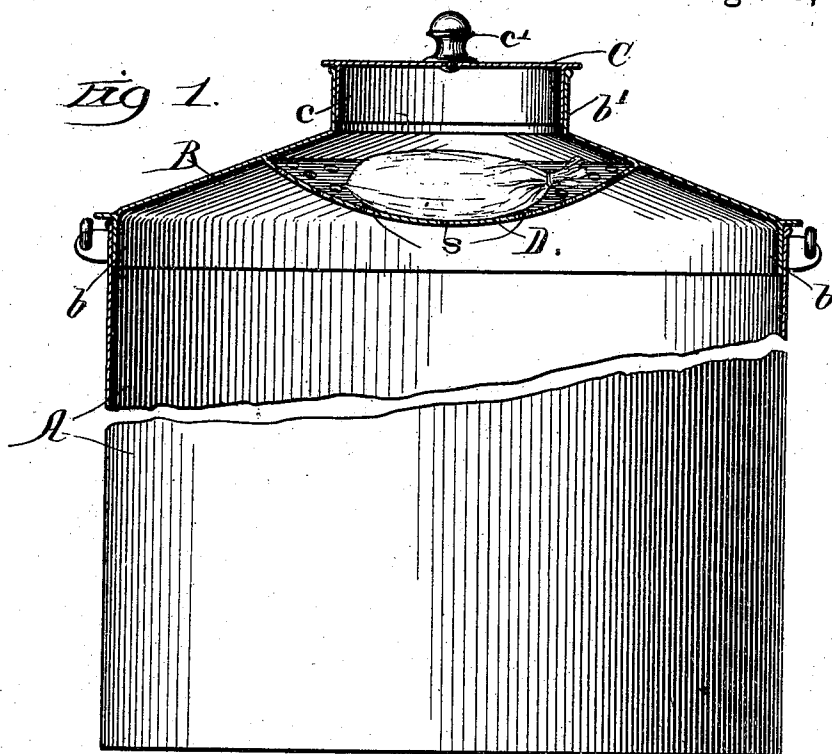
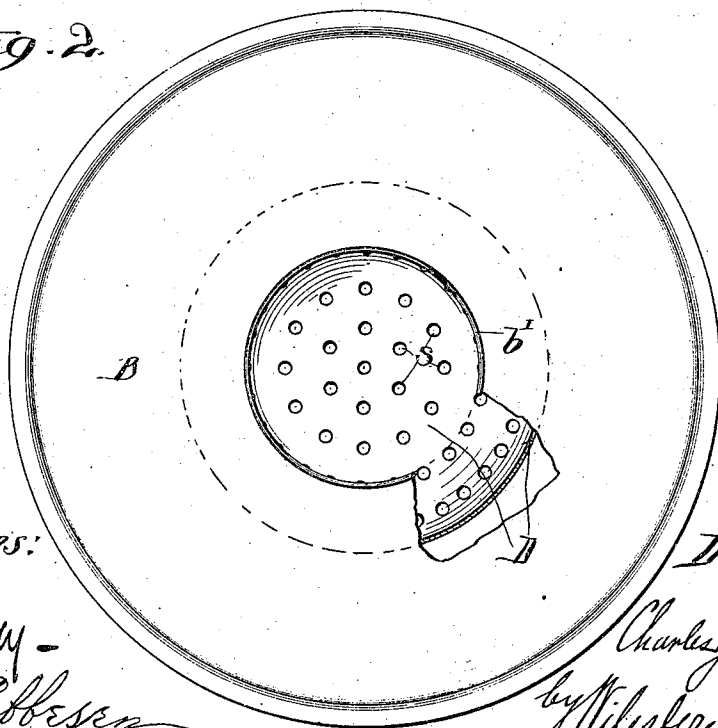


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

CHARLES J. L. MACLEOD, OF CHICAGO, ILLINOIS.

GARBAGE-RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 503,212, dated August 15, 1893.

Application filed March 20, 1893. Serial No. 466,804. (No model.)

To all whom it may concern:

Be it known that I, CHARLES J. L. MACLEOD, a subject of the Queen of Great Britain, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Garbage-Receptacles, of which the following is a specification.

My invention relates to improvements in garbage receptacles, its object being to provide a simple and comparatively inexpensive device adapted to contain garbage and also to deodorize and disinfect it.

The invention is fully described and explained in this specification and shown in the accompanying drawings, in which—

Figure 1 is a view partly in side elevation and partly in vertical section of a garbage receptacle embodying my invention; and Fig. 2 is a top plan of the top, certain parts being removed or broken away to show construction.

In the views, A is a preferably cylindrical pail or can of any suitable material, but preferably of galvanized iron. The pail is provided with a top, B, having a dependent rim, *b*, fitting closely in the upper end of the can. In the center of the top is an opening surrounded by an upwardly extending neck, *b'*, in which is fitted closely the dependent rim, *c*, of a cap, C, provided with a knob, *c'*, for its convenient removal.

Beneath the opening in the center of the top is a diaphragm, D, formed with perforations, *s*, and preferably of greater diameter than the opening above it, the edge of the diaphragm being soldered or otherwise fastened to the lower face of the top, B. The top, B, is preferably conical, and the diaphragm is preferably formed with a concave upper surface, so that there is above the diaphragm and between it and the cap, D, a chamber of considerable capacity. This chamber is adapted and intended to receive disinfecting and deodorizing materials in any desired form, and the perforations in the dia-

phragm permit free communication of gases and vapors between the chamber and the body of the can. When the disinfecting material is in the form of crystals, or is combined with other materials to hold it in solid form, it may be placed in the chamber without any further protection, but when it is in the form of powder as is frequently the case, I prefer to inclose it in a bag of loosely woven material and place the bag in the chamber. In many cases the free passage of air and gases between the chamber and the body of the can is sufficient to effectually deodorize and disinfect the contents of the can, but I have frequently found it advisable in the use of this device to pour water over the disinfecting material and through the perforations in the diaphragm into the body of the can containing the garbage. Whenever it is necessary to do this, the cap, C, may be readily removed for the purpose of pouring in the water and replaced immediately thereafter.

I have found in actual practice and by thorough tests that the device illustrated and hereinbefore described perfectly deodorizes and disinfects any sort of garbage placed in it, so that it may be kept for a considerable time at any ordinary temperature without becoming offensive or injurious to health.

Having now described and explained my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination with the can, A, of the top, B, fitting in the can and formed with a central opening, the cover, C, adapted to close said opening, and the perforated diaphragm, D, supported beneath the opening, the space between the cover and the diaphragm being a chamber adapted to contain disinfecting material; substantially as shown and described.

CHARLES J. L. MACLEOD.

Witnesses:

R. H. WILES,
CHARLES O. SHERVEY.