(No Model.)

R. LEHMANN.

ASH SIFTER.

No. 589,841. Patented Sept. 14, 1897.

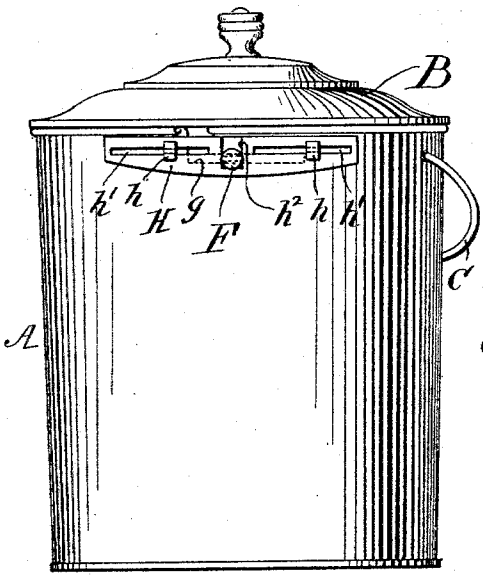


Fig. 1.

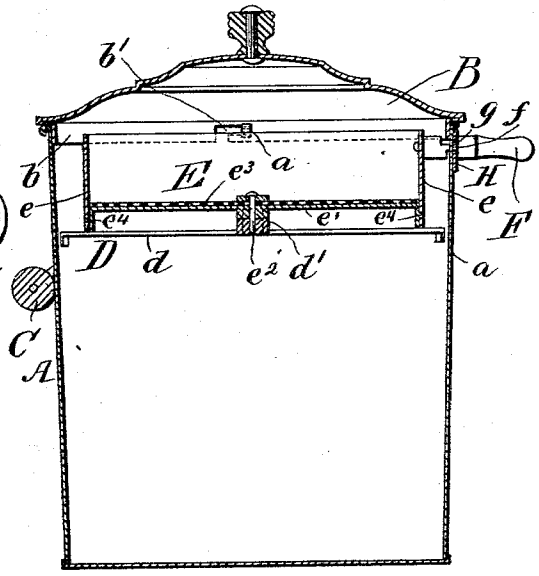


Fig. 2.

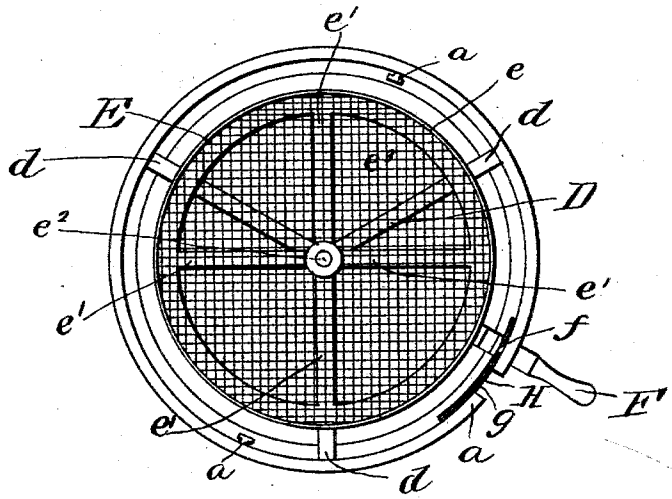


Fig. 3.

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ASH-SIFTER.

SPECIFICATION forming part of Letters Patent No. 589,841, dated September 14, 1897.

Application filed October 19, 1896. Serial No. 609,281. (No model.)

To all whom it may concern:

Be it known that I, RICHARD LEHMANN, a citizen of the United States, and a resident of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Ash-Sifters, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to that class of ash-sifters which embody a closed vessel in which is horizontally mounted a sifting-pan; and the object of my invention is to provide a simple and improved ash-sifter of this character which will be comparatively inexpensive in construction, which will provide in its entirety a device especially adapted for domestic use, and which will, furthermore, possess advantages in point of ease of operation, cleanliness, convenience, effectiveness, and general efficiency.

In the drawings, Figure 1 is a side elevation of an ash-sifter embodying my improvements. Fig. 2 is a vertical transverse sectional view. Fig. 3 is a top or plan view with the cover removed.

Referring to the drawings, A designates the body, in the top portion of which the sifting-pan is mounted, the lower portion of the body providing a dust-receptacle. A cover B is provided for closing the top of the body during the operation of the sifter. This cover embodies a downwardly-projecting flange *b*, in which are formed right-angular slots *b'*, adapted to be engaged by interior nibs or projections *a* near the top edge of the body for the purpose of securely locking said cover in position.

The body A may be in the general form or shape of a bucket, as herein illustrated, and may be provided with a pivoted bail or handle C, by which it may be conveniently transported.

Within the body, at a suitable point of elevation, is provided a skeleton supporting-frame D for the sifting-pan. This frame preferably embodies arms *d*, rotating from a common center, at which central point is provided a bearing eye or opening *d'*.

E designates the sifting-pan, which is of circular contour, conforming to the interior of the top portion of the body. This pan embodies a cylindrical side wall *e*, and a skeleton bottom formed of transverse cross pieces or arms *e'*, carrying at a central point a downwardly-projecting bearing pin or stud e^2, which is received by the bearing-eye *d'* in the supporting-frame D. The cross pieces or arms *e'* support and carry a wire-netting e^3, forming the bottom proper of the sifting-pan.

The wall *e* of the sifter embodies a downwardly-projecting annular bottom flange e^4, extending below the skeleton bottom *e'* and adapted to rest upon the arms *d* of the supporting-frame D when the sifter is operated.

The sifting-pan is separable or removable from the body A, and is provided near its top edge with a laterally-projecting handle F, having a reduced portion *f*, fitting and adapted to be received by a right-angular slot *g* in the top edge and side wall *a* of the body.

When the sifting-pan is placed in position within the body and the top or cover is locked in connection with the latter, the projecting operating-arm of the pan is locked in the guide-slot *g* and imparts reciprocatory movement in a rotary or circular plane.

When the device is in operative position and the cover is on the body, the device is closed against any escape of dust or other products of sifting, and in this connection I provide a sliding plate H, of segmental contour, exteriorly connected with the side of the body by means of key knobs or projections *h h*, projecting from the body and received by longitudinal slots *h' h'* in said plate. This sliding plate is adapted to at all times close the guide-slot *g* during the reciprocation of the sifting-pan, and to effect a corresponding movement of the plate with the sifting-pan the former is provided with a vertical slot or recess h^2, intersecting the terminal portion of the guide-slot *g* and receiving the laterally-projecting handle F, so that the plate is locked in connection with the handle during the movement of the same.

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

An improved ash-sifter, comprising a body having the top or cover, said body having

near the top of the interior edge projections adapted to engage slots in the flange of the cover, and provided interiorly with the skeleton supporting-frame, and with the right-angular guide-slot in its side wall at the top edge, and the sifting-pan having a central bearing upon said interior skeleton frame and provided with the downwardly-projecting annular bottom flange or edge resting upon said frame, the sifting-pan being provided with a laterally-projecting handle received by said guide-slot and being locked in position by said slot in conjunction with the top or cover, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 14th day of October, 1896.

RICHARD LEHMANN.

Witnesses:
C. SEDGWICK,
O. C. WINGE.