L. SOREN.

ASH SIFTER.

APPLICATION FILED JUNE 4, 1914.

1,232,113. Patented July 3, 1917.

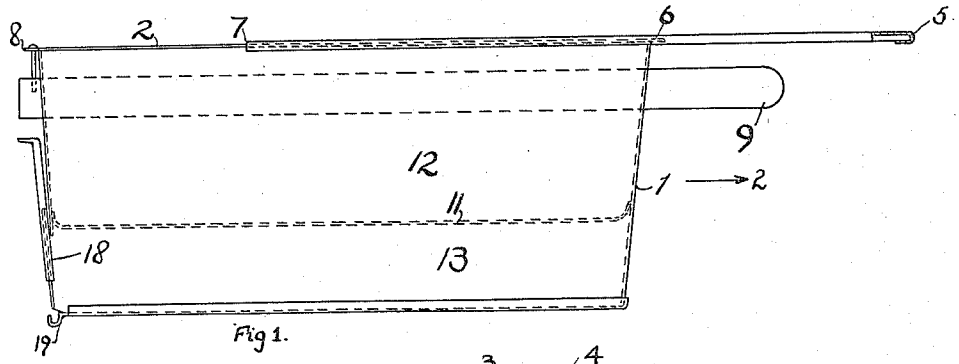


Fig 1.

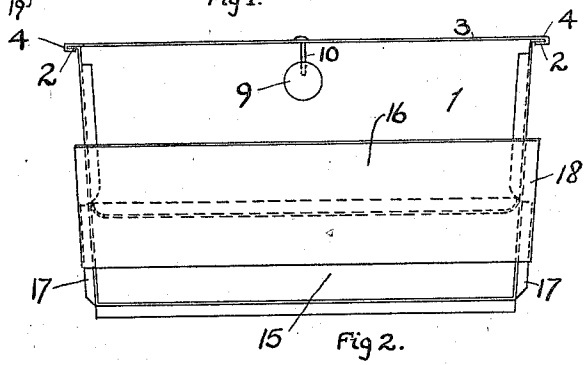


Fig 2.

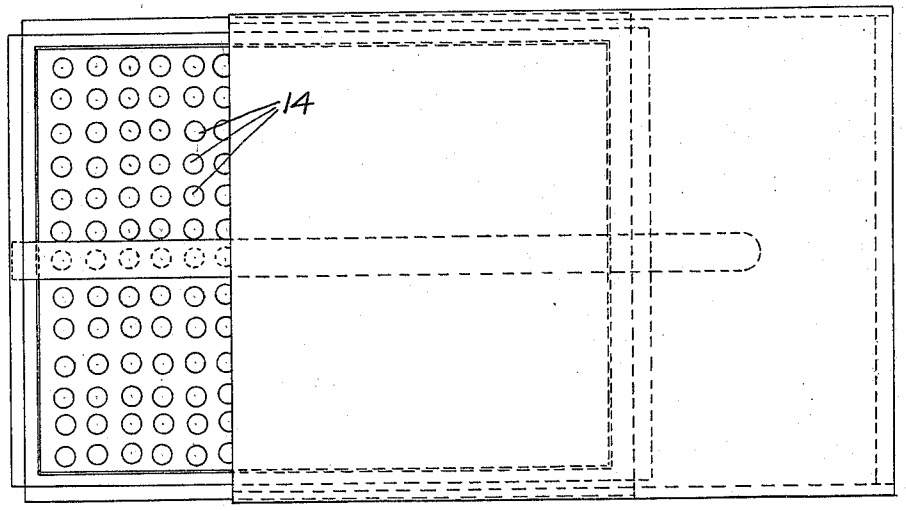


Fig. 3.

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UNITED STATES PATENT OFFICE.

LOUIS SOREN, OF TORONTO, ONTARIO, CANADA.

ASH-SIFTER.

1,232,113. Specification of Letters Patent. Patented July 3, 1917.

Application filed June 4, 1914. Serial No. 842,931.

To all whom it may concern:

Be it known that I, LOUIS SOREN, a subject of the King of Great Britain, residing at Toronto, in the county of York, in the Province of Ontario, Dominion of Canada, have invented new and useful Improvements in Ash-Sifters, of which the following is a specification.

This invention relates to improvements in ash sifters and one of the principal objects of the invention is to prevent the escape of the contents of the sifter during the usual agitation thereof to separate the ashes from the cinders.

In one of the most improved embodiments of my invention I provide a single casing having a cinder chamber adapted to deliver to an ash chamber, both chambers being adapted to be tightly closed during the sifting operation.

Other features of novelty and construction will be more fully described in connection with the accompanying drawing and will be more particularly pointed out in and by the appended claim.

In the drawing:—

Figure 1 is a view in side elevation of an ash sifter embodying one form of my invention.

Fig. 2 is an end view looking in the direction of arrow 2 of Fig. 1.

Fig. 3 is a plan view thereof.

Like characters of reference designate similar parts throughout the different figures of the drawing.

As illustrated, the device of my invention comprises a casing 1, open at the top and closed at the bottom. If the casing is formed of sheet metal the top margins may conveniently be bent outwardly to form flange guides 2 for a cover 3. The margins 4, of the cover 3 may be bent downwardly and inwardly as shown to form grooves adapted to receive the flange guides 2 so as to hold the cover 3 to a straight line of travel when moved from an opening to a closing position, or vice versa, and also to form a tight joint with the casing when the cover is closed. The rear end of the cover may be bent inwardly, as indicated at 5, to embrace a rearwardly projecting flange 6, formed on the rear wall of the casing 1. The front end of the cover 7, may be so proportioned as to extend sufficiently over a front flange 8 so as to form a tight joint at the front margin.

Any suitable form of handle, as indicated at 9, may extend through the casing 1 and be secured at the front end thereof by a brad or nail 10, the latter extending through the flange 8.

The casing 1 is preferably horizontally partitioned, as at 11, to divide the casing into an upper ash chamber 12 and a lower ash chamber 13. The partition 11 may be provided with openings 14, of any desired size, so that when the sifter is agitated the ashes will sift through the openings from the chamber 12 to the chamber 13.

At the front of the casing 1 an opening 15 is provided to discharge the ashes and a closure 16 is preferably slidably mounted on the casing 1 to open or close said opening 15. I desirably provide flanges 17 at the front end of the casing 1 adapted to be engaged by suitably inturned flanges 18, on the closure 16 to permit the latter to slide into and out of closing position. In order to make a tight joint I provide a grooved projection 19, on the bottom of the casing, so that the lower margin of the closure 16 can slide into the grooved portion 19 and provide a tight fit.

It will be seen from the foregoing that after the ashes and cinders have been deposited into the upper cinder chamber 12, the cover 3 and the closure 16 can be moved into closed position and the sifter can be agitated without the annoying escape of clouds of ashes into the face of the user. When the ashes have been sifted, the closure 16 may be opened and the ashes may be allowed to discharge from the chamber 13 by inclining the casing 1, and subsequently, the casing can be overturned or inverted so as to remove the cinders in the chamber 12.

While I have herein shown and described one specific form of my invention I do not wish to be limited thereto except for such limitations as the claim may import.

I claim:—

An ash sifter comprising two side and two end walls, a bottom plate, a cover and a handle, the upper horizontal edge of the end walls being outstruck, the body portion of the handle being adapted to extend from

one end wall through the interior of the sifter and to project through the opposite end wall, means being adapted to be passed through the outstruck flange of the outer wall and to extend downwardly and to engage the body portion of the handle, whereby to retain the latter in applied position.

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

LOUIS SOREN.

Witnesses:
D. S. TOVELL,
H. M. CHRISTMAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."