

F. S. CLARKSON.
Ash-Sifter.

No. 207,948.

Patented Sept. 10, 1878.

FIG. I.

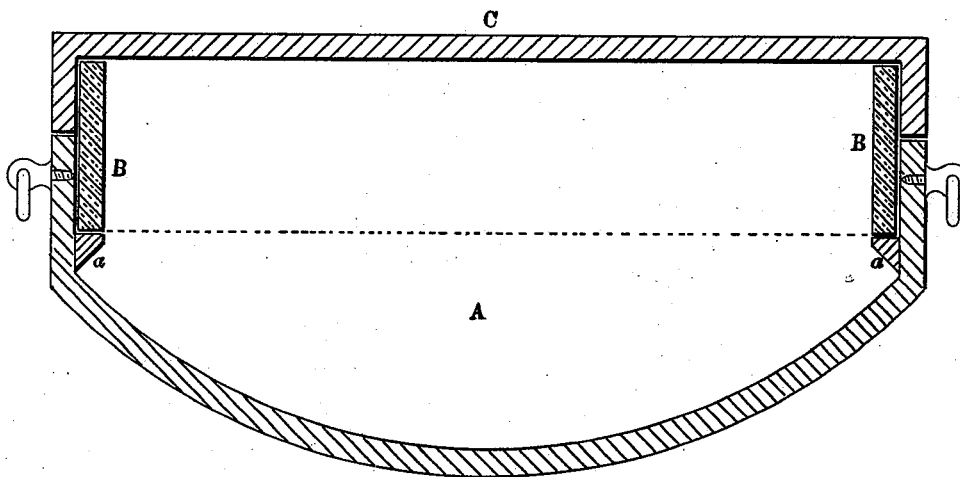
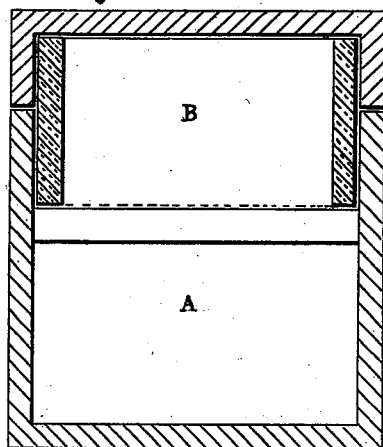


FIG. II.



— WITNESSES —

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UNITED STATES PATENT OFFICE.

FRANK S. CLARKSON, OF BALTIMORE COUNTY, ASSIGNOR TO FRANK B. SLOAN, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN ASH-SIFTERS.

Specification forming part of Letters Patent No. 207,948, dated September 10, 1878; application filed August 13, 1878.

To all whom it may concern:

Be it known that I, FRANK S. CLARKSON, of the county of Baltimore and State of Maryland, have invented certain Improvements in Ash-Sieves, of which the following is a specification; and I do hereby declare that in the same is contained a full, clear, and exact description of my said invention, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

The object of this invention is to provide a cheap, simple, and effective device for separating dust and ashes from coal-cinders, &c.; and it consists in combining, with a box or ash-receptacle having a curved bottom and a removable lid, a removable sifting-tray supported partially within the said box, in such manner as to form a guide for the said removable lid, as will hereinafter fully appear.

In the further description of the invention which follows, reference is made to the accompanying drawing, forming a part of this specification, and in which—

Figures 1 and 2 are, respectively, a longitudinal and a transverse section of the improved ash-sieve.

Similar letters of reference indicate similar parts of the invention in both figures.

A is a box having parallel straight sides and a curved bottom, which admits of the box being rocked in the sifting operation. The interior of the box A is provided with strips *a*, for supporting the sifting-tray B, situated at such distance below the upper edge of the

box as to cause the said tray to project, and thereby serve as a guide for the lid C. The lid C is preferably of the same depth as the projecting portion of the tray, in order that it may practically close both the tray and box, and prevent dust and ashes from passing from the box to the tray in the sifting operation.

A special advantage in adapting the upper edge of the tray as a guide for the lid C is, that less material is used in the construction of the box and the character of the work simplified.

The tray is placed in the box A from the upper side thereof; but, if desired, it may be slid through an opening in the end or side of the box without affecting the nature of the invention.

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

In combination with the round-bottomed box A and removable lid C, the removable sifting-tray B, supported within said box upon strips *a*, and extending above the upper edges of the box, thus forming a guide for the lid, substantially as set forth.

In testimony whereof I have hereunto subscribed my name this 29th day of July, in the year of our Lord 1878.

FRANK S. CLARKSON.

Witnesses:

WM. T. HOWARD,
THOMAS MURDOCH.