(No Model.)

E. STAMMER.

ASH SIFTER.

No. 342,713. Patented May 25, 1886.

Fig. 1.

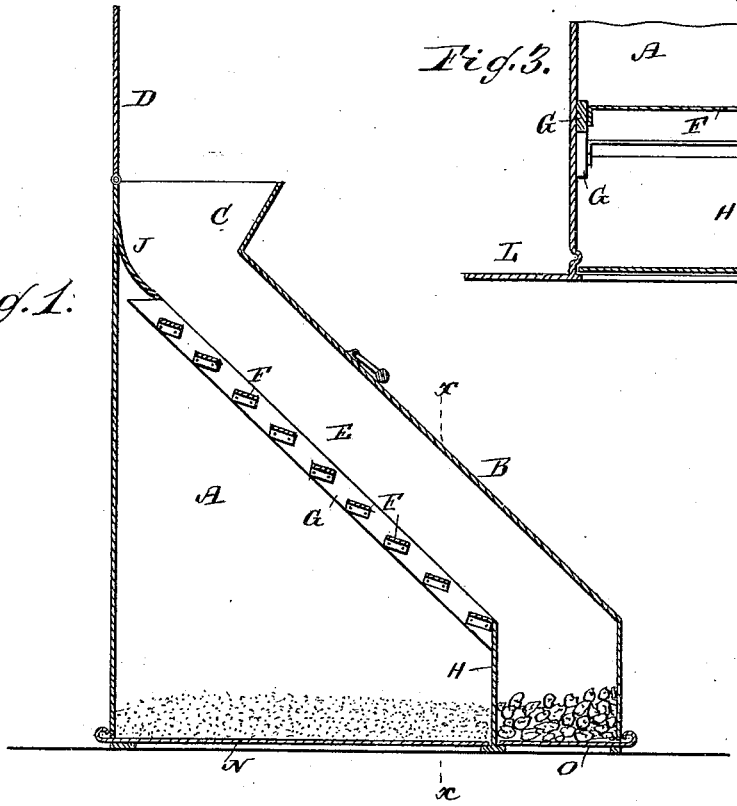
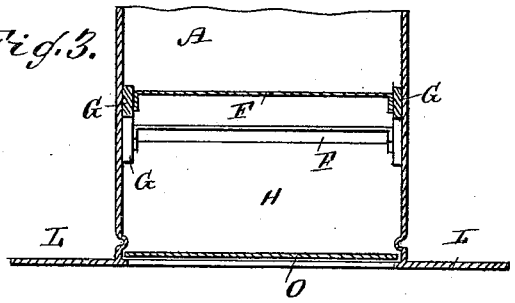


Fig. 3.



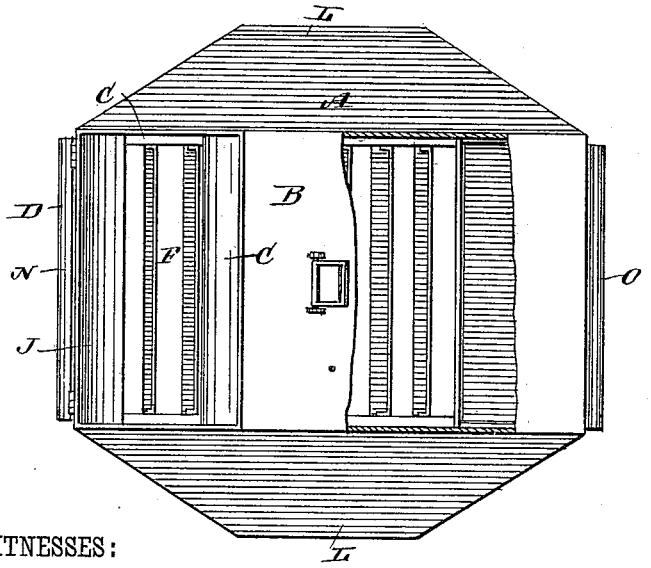


Fig. 2.

WITNESSES:

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EMIL STAMMER, OF BROOKLYN, NEW YORK.

ASH-SIFTER.

SPECIFICATION forming part of Letters Patent No. 342,713, dated May 25, 1886.

Application filed December 19, 1885. Serial No. 186,198. (No model.)

To all whom it may concern:

Be it known that I, EMIL STAMMER, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Ash-Sifter, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved ash-sifter which separates the ashes from the coals very rapidly and without permitting any dust or dirt to escape into the room, and from which the coals or ashes can be discharged very easily and rapidly.

The invention consists in the construction and combination of parts, as will be fully described hereinafter, and then pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal sectional view of my improved ash-sifter. Fig. 2 is a plan view of the same, parts being broken out and others being in section. Fig. 3 is a cross-sectional view of the same on the line *x x* of Fig. 1, the upper portion of the device being broken away.

The box A is provided with the straight sides and ends, and with the inclined top B, at the upper end of which the hopper C is formed, which is provided with the hinged door D.

In the box A the screen E is provided parallel with and a short distance below the top B, and said screen is provided with the flat rungs F, secured to the two side pieces G, and inclined to a horizontal plane. The rungs or strips F are preferably made of sheet metal.

From the lower edge of the lowest rung or strip, F, the transverse partition H extends downward to the bottom of the box, parallel with and a short distance from the short end of the box.

A curved sheet-metal guide, J, extends from the upper end of the screen to the high end of the box to guide the coals and ashes upon the upper end of the screen.

On the bottom of the sides of the box the laterally-projecting wings or plates L are provided to permit placing the box on an ash-barrel, &c.

The bottom of the box is formed of the two sliding plates N and O, which are guided by suitable grooves in the sides of the box at their bottom edges, the inner ends of the sliding plates extending to the partition H.

The device is used in the following manner: The coals and ashes are dumped into the hopper C, and slide upon the upper end of the screen and down the same, the coals dropping from one rung to the other, and finally dropping upon the slide O, in front of the partition H, and the ashes drop through the spaces between the rungs F upon the slide N. The coals and the ashes are thus separated in a short time, and no dust or dirt can escape from the box. When the coals are to be discharged, the lower end of the box is held over the stove or coal box or scuttle, and the slide O is withdrawn, permitting the coals to drop from the box. When the ashes are to be discharged, the box is placed on an ash barrel or box and the slide N is withdrawn.

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

An ash-sifter comprising a box, an inclined sieve composed of a series of inclined transverse rungs arranged one in advance of the other to permit fine particles to fall between the rungs and coarser particles to slide from one rung to another, a partition at the base of the screen to divide the box into two compartments, and sliding bottoms to the two compartments, substantially as described.

EMIL STAMMER.

Witnesses:
J. F. ACKER, Jr.,
LEVI KAUFER.