

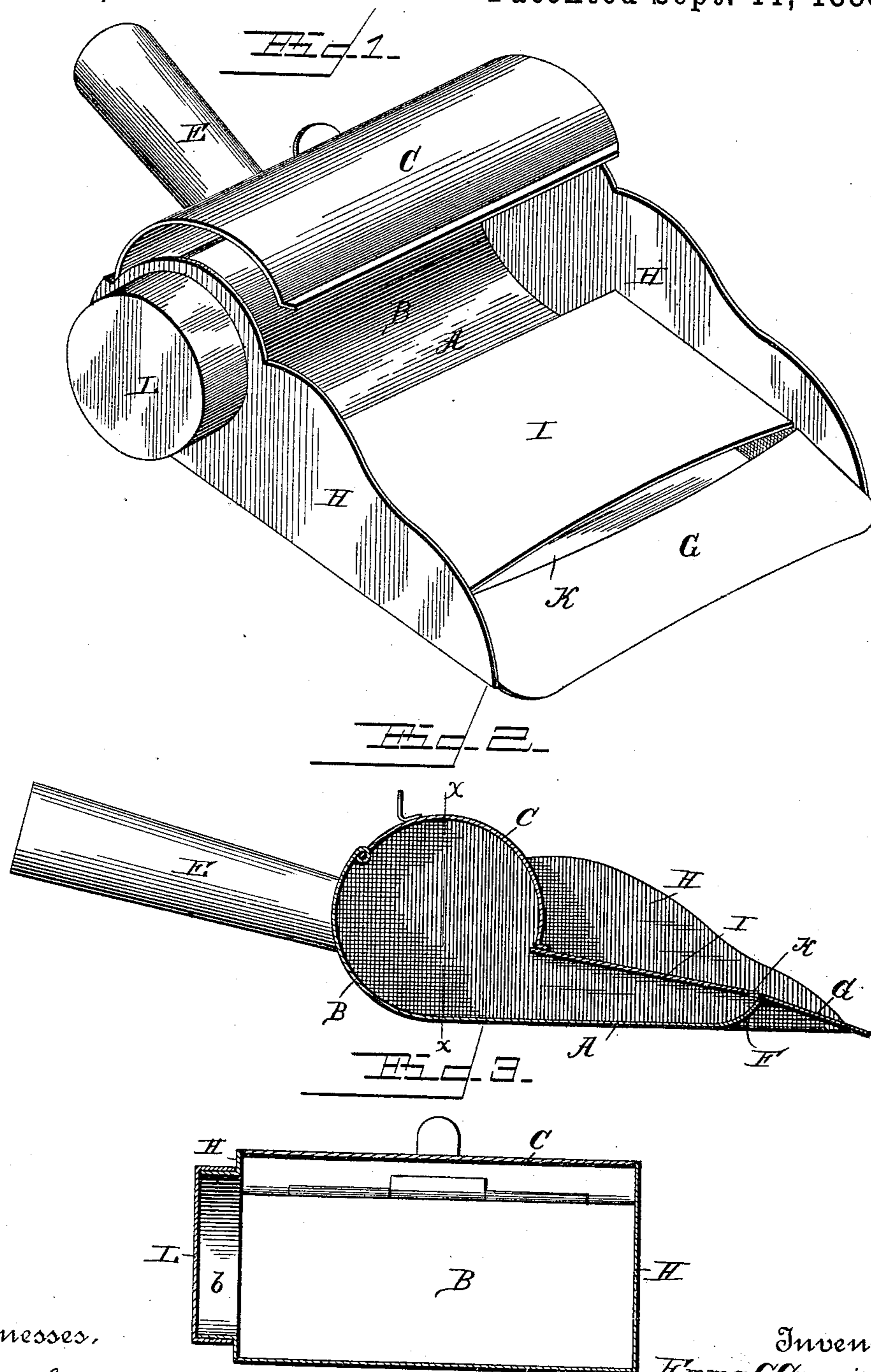
(No Model.)

E. C. CUNNINGHAM.

DUST PAN.

No. 389,366.

Patented Sept. 11, 1888.



Witnesses,
Henry G. Dieterich,
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Inventor,
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By her Attorneys
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UNITED STATES PATENT OFFICE.

EMMA C. CUNNINGHAM, OF ALTOONA, PENNSYLVANIA.

DUST-PAN.

SPECIFICATION forming part of Letters Patent No. 389,366, dated September 11, 1888.

Application filed April 3, 1888. Serial No. 269,423. (No model.)

To all whom it may concern:

Be it known that I, EMMA C. CUNNINGHAM, a citizen of the United States, residing at Altoona, in the county of Blair and State of Pennsylvania, have invented new and useful Improvements in Dust-Pans, of which the following is a specification.

My invention relates to improvements in dust-pans; and it has for its object to provide a simple device whereby the dust, dirt, &c., is received in a suitable receptacle, from which it may be readily and quickly emptied without danger of spreading the dirt.

The invention consists in a certain novel construction and arrangement of devices, fully set forth hereinafter in connection with the accompanying drawings, wherein—

Figure 1 is a perspective view of the dust-pan. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a transverse sectional view taken on the line *x x* of Fig. 2.

Referring to the drawings, A represents the flat horizontal bottom of the pan, which is turned up at its rear edge to form the lower and rear sides of the cylindrical receptacle B; and C represents the lid of the said receptacle, which closes down over its upper side and is provided with a thumb hold to enable it to be raised. The handle E of the pan is attached rigidly to the rear side of the said receptacle.

The front edge of the bottom A is turned up a short distance to form a shoulder, F, and an inclined lip, G, is attached to the upper edge of this shoulder, and is adapted, when the bottom A is flat on the floor, to bear on the floor. The dust which is brushed upon the pan is carried by the said lip over the shoulder F, behind which it drops to prevent it from being shaken or accidentally jarred from the pan.

The dust pan is provided with vertical sides H H, between which and a short distance above the bottom A is arranged the top or covering plate I, the front edge of which approaches to within a short distance of the shoulder F, and thereby forms a slot, K, the function of which will be hereinafter mentioned. The hinged lid C closes down on the rear edge of the top or covering plate, whereby the dust contained in the receptacle cannot escape.

The cylindrical receptacle projects at one end slightly beyond the side of the pan to form a flange, *b*, and the cap L fits on the said flange and closes the end of the receptacle.

When the pan is in use, the sand, ashes, and other heavy or granulated dirt drop through the slot K and are received in the space between the covering-plate and the bottom of the pan, from which they cannot readily be removed owing to the shoulder, and the dirt or dust which will not easily pass through the said slot is brushed across the plate I and into the receptacle at the rear edge thereof. By thus forming two openings I provide for the more ready and effectual entrance of the dust and dirt into the receptacle, as a large portion of the dust and dirt will pass through the slot K and thus be prevented escaping from under the broom or brush, and that portion which does not pass through the slot will pass over the upper edge of the plate I.

To empty the dust-pan, close the hinged lid, shake all the dirt into the cylindrical receptacle by raising the pan at its front edge, and then, after removing the cap from the end of the said cylindrical receptacle, empty the dirt therethrough. Thus all the dirt may be removed, and it may be emptied into a stove or other receptacle without danger of spreading.

Having thus described my invention, I claim—

The improved dust-pan herein described and shown, comprising the bottom A, having the shoulder F at its front end, the inclined lip G, attached to said shoulder and extending downward and forward therefrom, the sides H H, the cylindrical receptacle at the rear ends of the bottom and the sides, the inclined plate I, secured between the sides and having its front edge arranged adjacent to the shoulder F, and the hinged lid C of the cylindrical receptacle adapted to close down upon the rear edge of said plate, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

EMMA C. CUNNINGHAM.

Witnesses:

WM. S. HAMMOND,
HARRY NIXDORF.