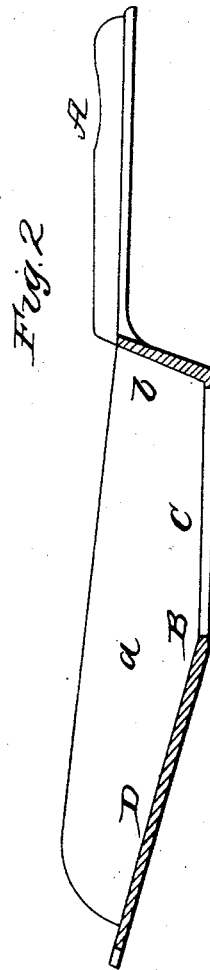
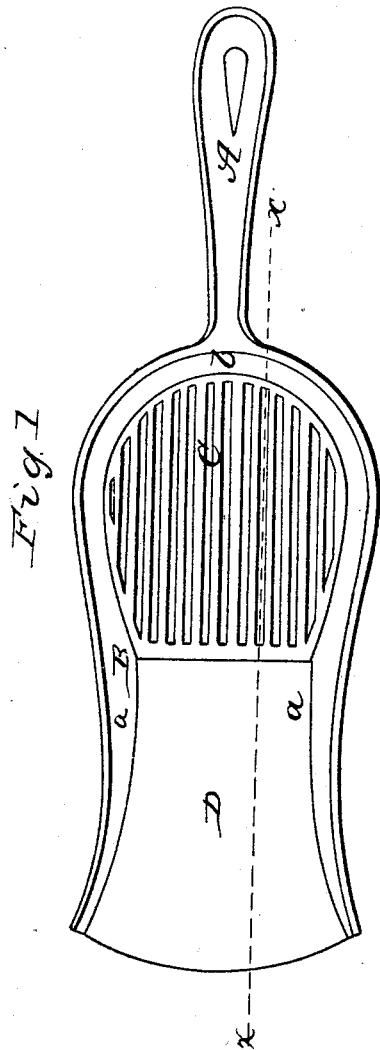


J. H. PORTER.

Combined Ash Sifter and Shovel.

No. 45,630.

Patented Dec. 27, 1864.



WITNESSES
James P. Hall
Jm. F. McNamee

INVENTOR
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UNITED STATES PATENT OFFICE.

JOHN H. PORTER, OF NEW YORK, N. Y.

COMBINED ASH-SIFTER AND SHOVEL.

Specification forming part of Letters Patent No. 45,630, dated December 27, 1864.

To all whom it may concern:

Be it known that I, JOHN H. PORTER, of the city, county, and State of New York, have invented a new and Improved Combination of a Screen and Fire-Shovel; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming parts of this specification, in which—

Figure 1 is a plan or top view of my invention. Fig. 2 is a longitudinal vertical section of the same, taken in the line *x x*, Fig. 1.

Similar letters of reference indicate like parts.

This invention consists in combining a screen with a fire-shovel in such a manner that the device may be used either in the capacity of a screen or a shovel, and answer equally as good a purpose as articles made separately for each.

The device is cast in one piece, A being the handle, and B the body or main portion of the device. The sides *a a* of the body B are curved slightly inward or toward each other, and rounded or of semicircular form at the back of B, as shown at *b*. These sides and back are slightly inclined or are of flaring form, projecting outward from their lower to their upper ends.

The bottom of the body B at its rear part is a screen, as shown at C, and this screen is horizontal, while the other part, D, of the bot-

tom is solid and slightly inclined upward from the screen to the outer end of the device, as shown clearly in Fig. 2. By this arrangement a combined screen and fire-shovel are obtained.

The part D answers the ordinary purpose of a shovel, and, in consequence of being inclined at an angle with the screen C, the latter cannot interfere with the perfect operation of the shovel. When the device is used as a screen, it is held about in a horizontal position and the inclination of B prevents ashes and cinders from falling off of it.

The device is designed for use with coal-stoves and ranges, and will prove to be extremely convenient for the purpose, and tend to economize greatly in the consumption of coal, for cinders will be sifted at once from the ash-drawer and burned which are now thrown away, many families being extremely careless and negligent as regard the sifting of cinders from ashes when the latter are removed from the house.

I claim as new and desire to secure by Letters Patent—

A combined screen and fire-shovel constructed or cast with a bottom having a screen, C, and solid shovel part D in different planes, substantially as shown and described.

JOHN H. PORTER.

Witnesses:

JAMES P. HALL,
M. M. LIVINGSTON.