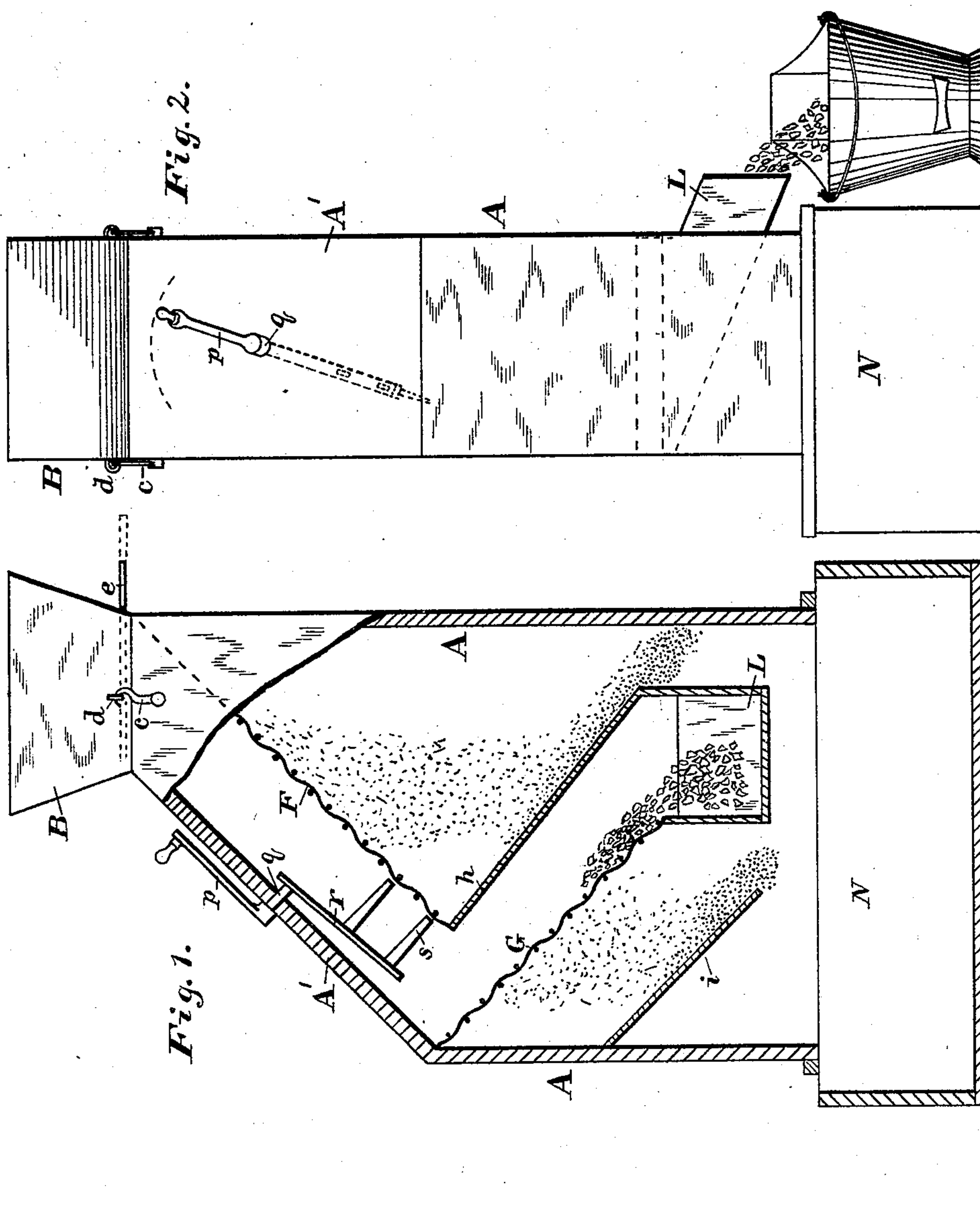


(No Model.)

J. PONS.
ASH SIFTER.

No. 282,924.

Patented Aug. 7, 1883.



Witnesses:
A. C. Eader
John E. Morris

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UNITED STATES PATENT OFFICE.

JOHN PONS, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-HALF TO
CHRISTIAN COOK, OF SAME PLACE.

ASH-SIFTER.

SPECIFICATION forming part of Letters Patent No. 282,924, dated August 7, 1883.

Application filed March 17, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN PONS, a citizen of the United States, residing at Baltimore and State of Maryland, have invented certain new
5 and useful Improvements in Ash-Sifters, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to an improved ash-
10 sifter, and will first be described, and then designated in the claims.

In the drawings hereto annexed, Figure 1 is an elevation, the front side being almost wholly removed to show the structure in sec-
15 tion. Fig. 2 is a side view.

A designates the casing or walls of the device; B, the removable hopper, secured to its position on top of the case by means of the hook *c* engaging with the staple *d*. The hop-
20 per has a bottom, *e*, adapted to slide horizontally. One end projects from the side, as shown in Fig. 1, and serves as a handle, by which it may be moved in or out to allow the ashes in the hopper to drop.

A wire screen, F, has an inclined position at an angle of about forty-five degrees, inclin-
25 ing toward one side of the case, and is immediately below the hopper, and an ash-board, *h*, has its upper end under the lower end of the said screen, and inclines in the reverse direc-
30 tion, or toward the opposite side of the case. A second and lower wire screen, G, has its upper end resting against the case, and inclines in a direction reverse to or opposite that
35 of the upper screen. An inclined ash-board, *i*, is below the lower screen.

Below the screens is a chute, L, for the screened coal, which chute inclines toward the front of the case. The direction of inclination
40 of the chute with respect to that of the lower screen and the ash-board *h* is lateral or side-wise. The lower end of the lower screen, G, rests upon the upper edge of one side of the chute, which is cut off horizontally to admit
45 of it, and the lower end of the ash-board *h* rests upon the other side of the chute. The discharge end of the inclined chute projects from the front side of the case, as shown in Fig. 2, and will deliver the screened coals into
50 a hod or box placed under it. The coal-chute L and screens incline in directions transverse

or crosswise to each other. This construction of an inclined coal-chute, in connection with the lower screen and upper ash-board, provides for the delivery of the screened coals at
55 the front side of the apparatus, while the sifted ashes from the ash-board fall directly down into the box N. The case A of the apparatus sets loosely upon the ash-box N, and may be lifted off to permit the box to be emptied. A
60 stirrer is provided to prevent the coals and ashes from choking or lodging on the upper screen. A lever, *p*, is pivoted to a short shaft, at *q*, in the inclined cover A' of the case, and a knob or handle on the end of the lever
65 serves as a hand-grasp, by which it may be moved back and forth, as indicated by the broken line in Fig. 2.

To the pivot-shaft *q*, on the inside of the case, is attached a bar, *r*, which is provided
70 with one or more pins or teeth, *s*. It will be seen that when the outside lever, *p*, is moved back and forth the bar and its teeth also move across the upper screen, and serve to dislodge any adhering coals.

Having described my invention, I claim and desire to secure by Letters Patent of the United States—

1. An ash-sifter consisting of a screen, F, inclining toward one side of the case, an ash-
80 board, *h*, under the said screen and inclining in a reverse or opposite direction, a second and lower screen, G, inclining in a direction reverse to or opposite that of the upper screen, and a chute, L, below the screens and ash-
85 board, which inclines toward the front of the case and in a lateral or sidewise direction with respect to the screens, as set forth.

2. In an ash-sifter, the combination of an inclined screen, F, an inclined cover, A', over
90 said screen, a short pivot-shaft, *q*, in the inclined cover, a bar, *r*, attached to the pivot-shaft on the inside of the cover, and provided with teeth *s*, and a lever, *p*, attached to the pivot-shaft on the outside of the cover, as set
95 forth.

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

JOHN PONS.

Witnesses:

JOHN E. MORRIS,
JNO. T. MADDOX.