

(No Model.)

S. D. HORTON.
ASH SIFTER.

No. 549,238.

Patented Nov. 5, 1895.

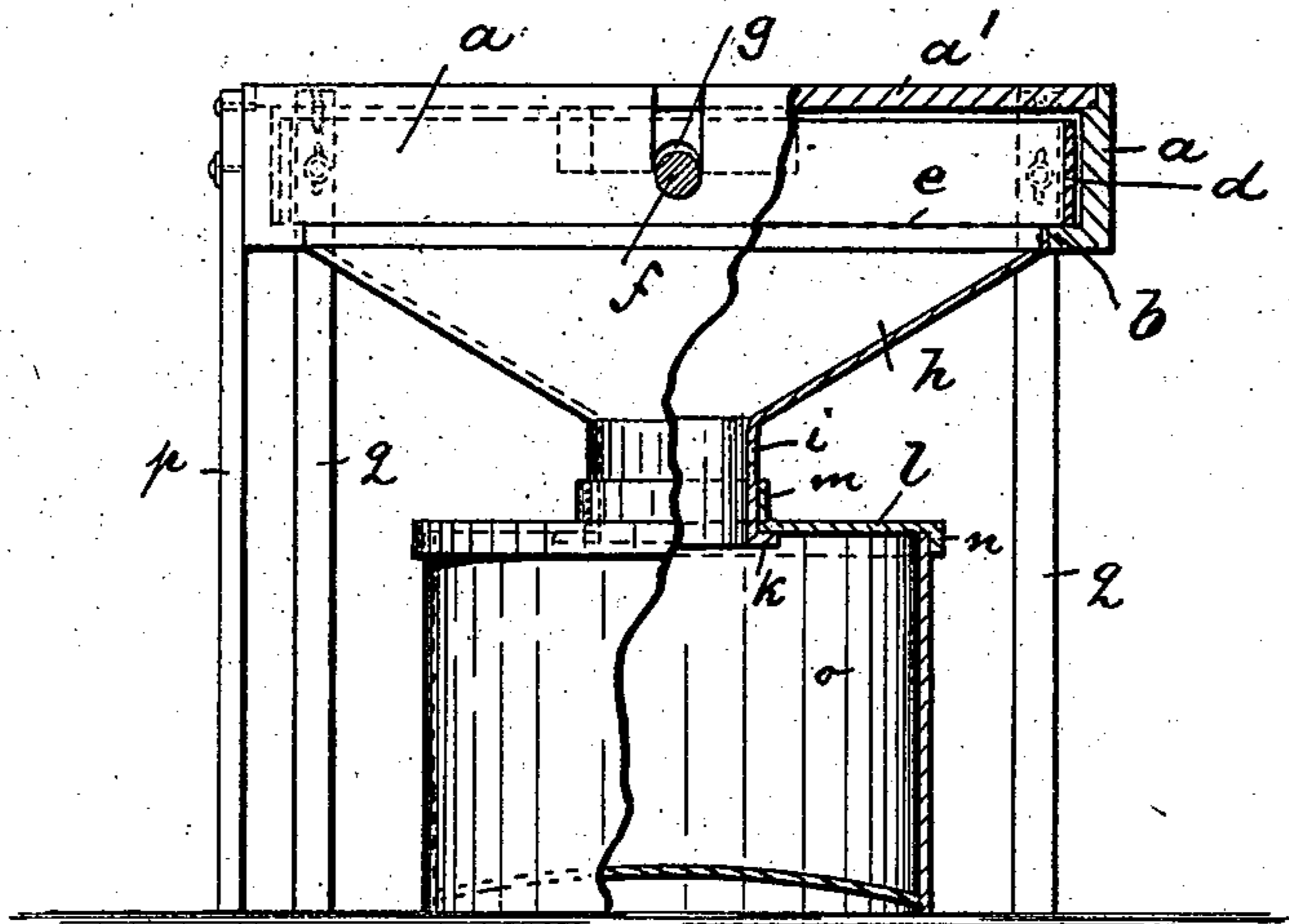


Fig. 1.

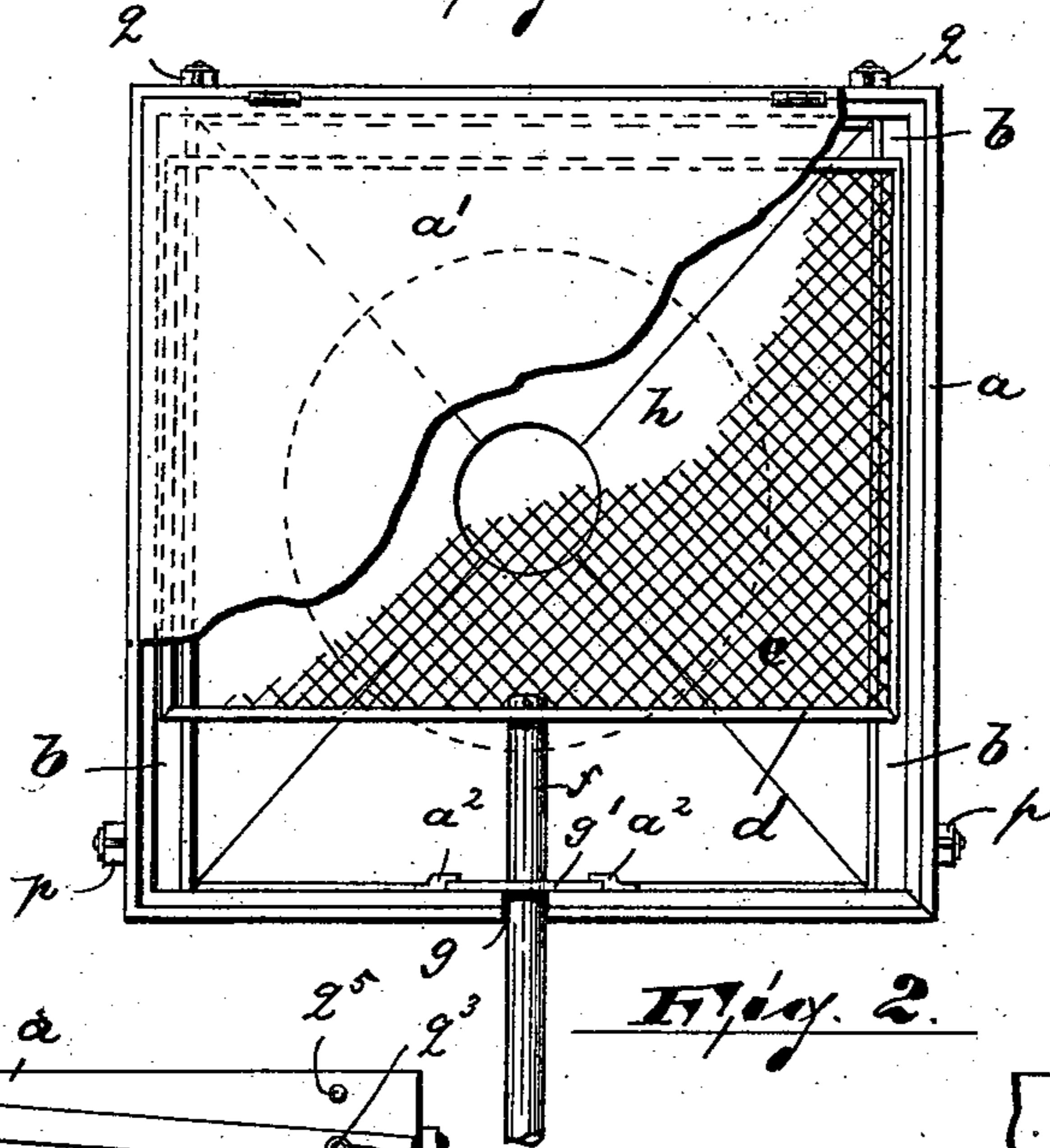


Fig. 2.

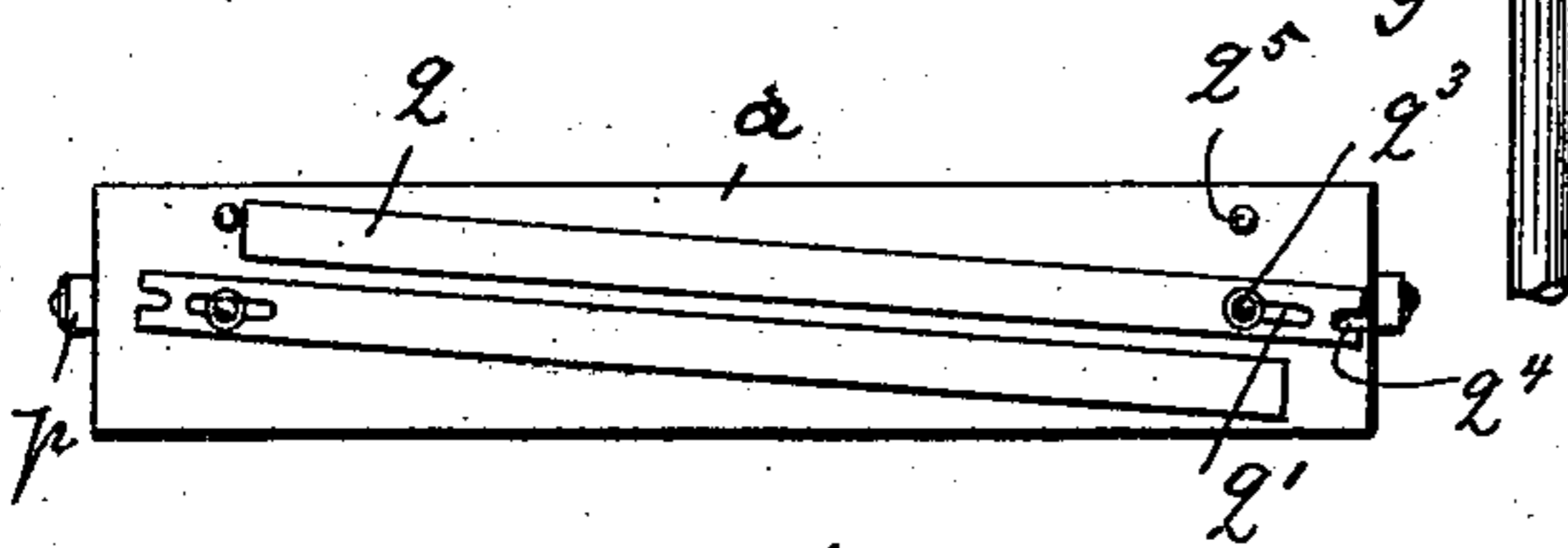


Fig. 3.

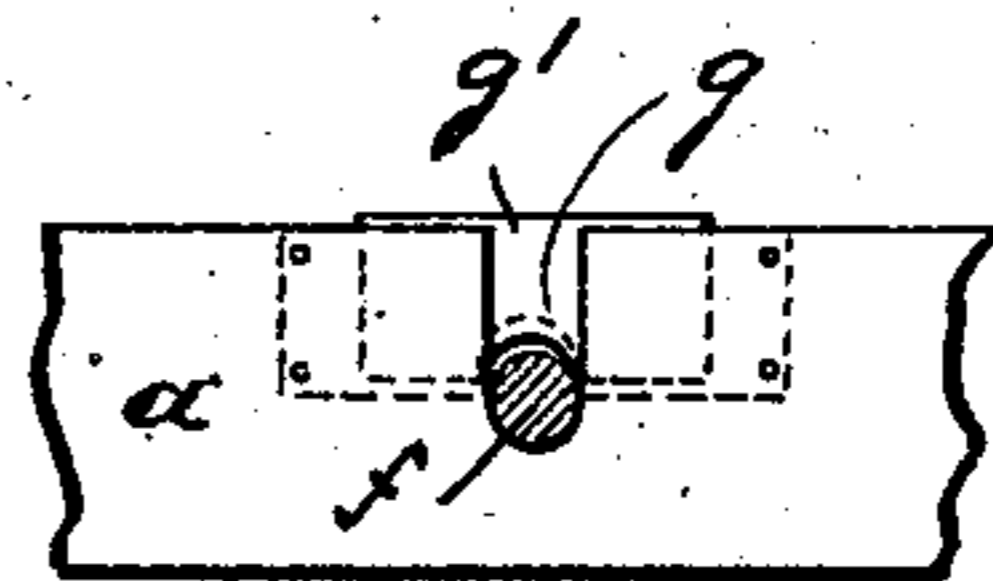


Fig. 4.

WITNESSES:

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STEPHEN D. HORTON, OF PATERSON, NEW JERSEY.

ASH-SIFTER.

SPECIFICATION forming part of Letters Patent No. 549,238, dated November 5, 1895.

Application filed March 7, 1895. Serial No. 540,804. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN D. HORTON, a citizen of the United States, residing in Paterson, county of Passaic, and State of New Jersey, have invented certain new and useful Improvements in Ash-Sifters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to provide an ash-sifter of simple and durable construction, reliable in operation, and easily handled.

The invention consists in the improved ash-sifter, its adjustable connection with the receptacle, and in the combination and arrangements of the various parts substantially as will be hereinafter more fully described, and finally embodied in the clauses of the claim.

In the drawings, Figure 1 represents a front elevation of my improved ash-sifter, certain portions being shown in section and others broken away; Fig. 2, a top plan view of Fig. 1 with a portion of the lid broken away; Fig. 3, a detail side view of the folding legs, and Fig. 4 a detail view of a certain locking mechanism.

In said drawings, *a* represents a frame, preferably square, provided at two opposite sides with inwardly-extending flanges *b*, adapted to form guides or bearings for the frame *d* of the screen or sieve *e*. The breadth of the frame *d* is equal to about two-thirds of the breadth of the frame *a*, as clearly shown in Fig. 2. To one of the sides of said frame *a* is hinged a lid *a'* and adapted to form a substantially air-tight cover for said frame. To the front side of the frame *d* is secured, in any desired manner, the rod or handle *f*, penetrating the front side of the frame *a* and resting in the slot *g* of said frame, and is locked therein by means of the detachable slotted plate *g'*, adapted to be guided and secured to the frame *a* by means of the guide-brackets *a² a²*, arranged on the inside of said frame.

To the under side of the frame *a* is secured a funnel or hopper *h* (made out of tin or any suitable material) and terminating in the cylindrical neck *i*, provided with flange *k*. On said neck is arranged and adapted to slide

thereon the cylindrical neck *m* of lid *l*, having the outer flange *n*, adapted to rest on and fit over the edge of a receptacle *o*, thus forming a substantially air-tight cover for said receptacle.

To each of the sides of the frame *a* (or to only three of its sides, as in the drawings) are secured legs or standards *p* and *q*. Each of said legs (reference being made to Fig. 3) is provided with a longitudinal slot *q'*, in which is arranged the fulcrum or pivot *q³*. The upper end of each leg is also provided with a slot or recess *q⁴*, adapted to engage the pin *q⁵*, and thus hold the leg in its upright position when in use.

In operation the legs are first adjusted to their upright position and the receptacle placed under the lid *l*, which, on account of its being movable on the neck of the hopper, can be adjusted to receptacles of different heights. The ashes are then placed on the sieve *e* of frame *d* and the lid *a'* closed. A rocking motion is then imparted by means of the handle *f* to the said frame and sieve, whereby the dust and smaller particles of the ashes are caused to drop into the receptacle, while the larger pieces are retained on the sieve, from where they can be easily removed, as will be manifest.

I do not intend to limit myself to the precise construction shown and described, as various alterations can be made without changing the scope of my invention; but

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

In an ash sifter, the combination with the outer frame, its lid and the receptacle *o*, of a funnel or hopper on the under side of the frame and terminating in a cylindrical neck, a lid or cover provided with a cylindrical neck adjustably arranged on the neck of the hopper and adapted to slide thereon, the flanged portion of said lid to fit over the said receptacle, a frame provided with a sieve arranged in and guided by the outer frame and means for rocking said inner frame, all said parts, substantially as and for the purposes described.

In testimony that I claim the foregoing I have hereunto set my hand this 4th day of March, 1895.

STEPHEN D. HORTON.

Witnesses:

ALFRED GARTNER,
GEORGE W. HORTON.