

C. E. DEVERMANN.
ASH SIFTER FOR STOVES.
APPLICATION FILED APR. 3, 1909.

930,052.

Patented Aug. 3, 1909.

Fig. 1

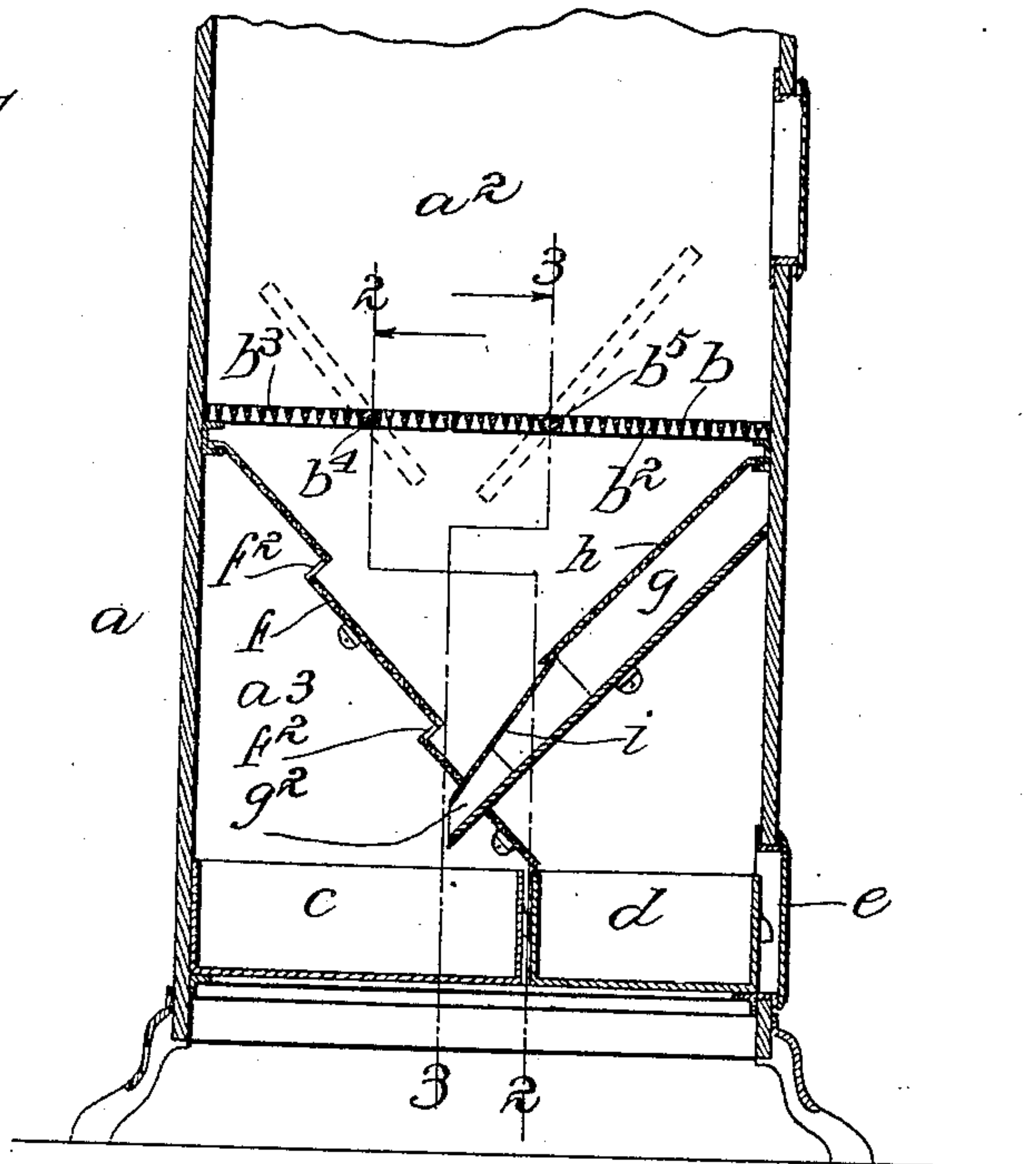


Fig. 2

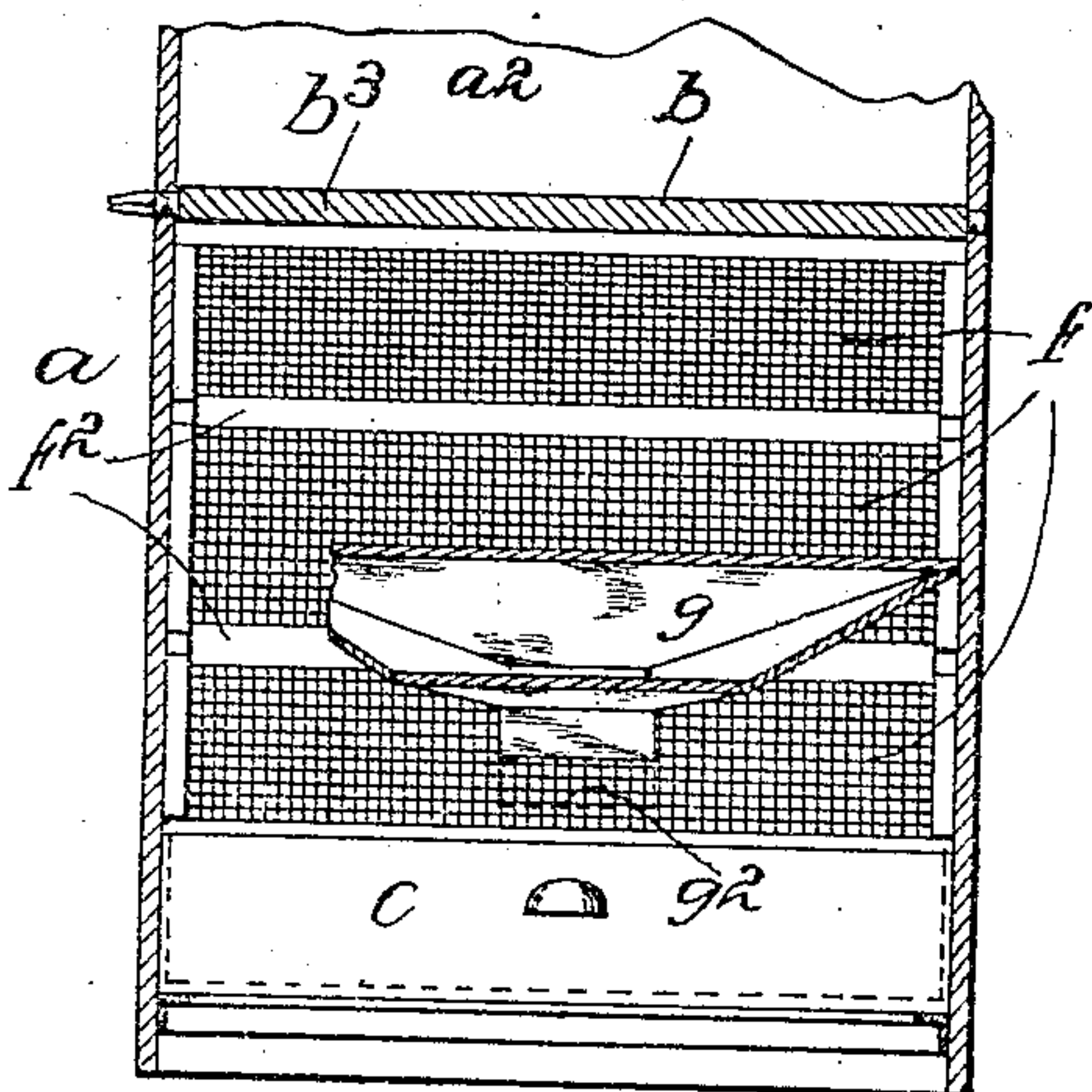
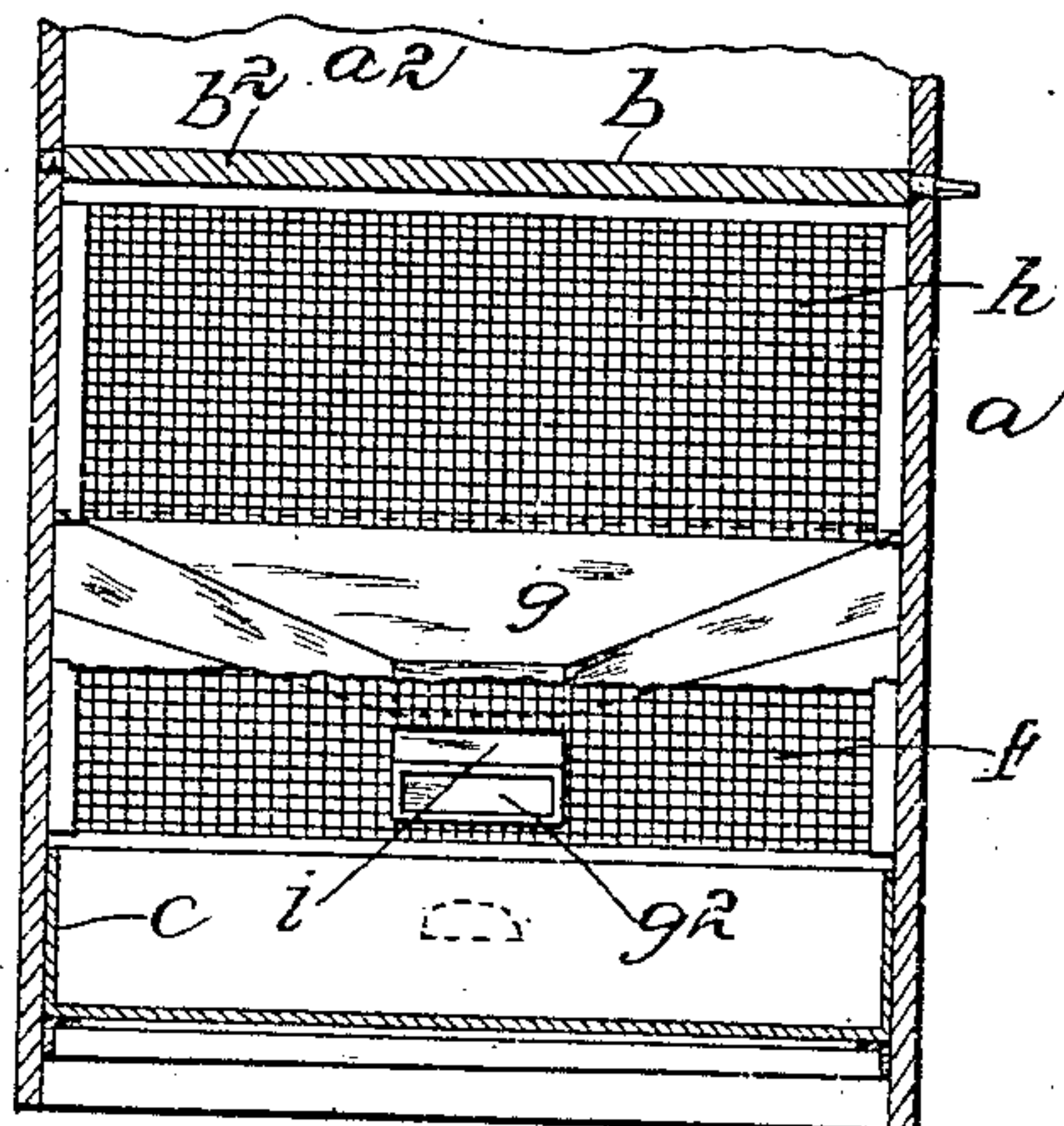


Fig. 3



WITNESSES:

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ASH-SIFTER FOR STOVES.

No. 930,052.

Specification of Letters Patent.

Patented Aug. 3, 1909.

Application filed April 3, 1909. Serial No. 487,625.

To all whom it may concern:

Be it known that I, CHARLES E. DEVERMANN, a citizen of the United States, and residing at Van Nest, New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Ash-Sifters for Stoves, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to ash sifters for stoves; and the object thereof is to provide a device or apparatus of this class which may be applied to an ordinary cooking stove or range or heating stoves which employ a fire-box and ash pit, the ash pit being of such form and dimensions as to accommodate my improved ash sifter device or apparatus constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which;—

Figure 1 is a sectional side view of the bottom portion of a stove provided with my improvement, Fig. 2 is a section on the line 2—2 of Fig. 1, and;—Fig. 3 is a section on the line 3—3 of Fig. 1.

In the drawing forming part of this specification, I have shown at a the bottom part of a stove provided with a fire-box a^2 below which is an ash pit a^3 , and it will be understood that the fire-box and ash pit may be of any desired form or any suitable construction as may also the stove.

The ash pit a^3 is provided with a grate b composed, in the form of construction shown, of two parts b^2 and b^3 pivoted at b^4 and b^5 and adapted to be turned for dumping purposes as indicated in dotted lines in Fig. 1.

In the bottom of the ash pit a^3 are placed two removable drawers or receivers c and d , and in the construction shown, these drawers or receivers are adapted to be removed or inserted through a door e in one side of the ash pit.

The drawer or receiver c is designed to receive ashes in the form of construction shown, and the drawer or receiver d to re-

ceive charred coal, cinders and similar material.

Placed over the drawer c is a screen f which extends from the upper corner of the ash pit opposite the door e downwardly and transversely and is adapted to discharge charred coal, cinders and the like into the drawer or receiver d and through which the ashes pass into the drawer or receiver c , and this screen is preferably stepped as shown at f^2 .

Within the ash pit a^3 and in the side opposite that in which the screen f is placed is secured a chute g which extends from the top portion of said side of the fire-box downwardly and transversely and the lower end of which is contracted to form a neck g^2 which passes through the bottom section of the screen f .

The upper part of the chute g is as wide as the side of the fire-box in which it is placed, but the sides thereof taper to the neck g^2 as clearly shown in Fig. 3, and placed over the upper part thereof is a screen h , and placed over the lower part or neck portion thereof and forming a cover therefor is a plate i .

The operation will be readily understood from the foregoing description, when taken in connection with the accompanying drawing and the following statement thereof. In practice, whenever it is desired to clean the fire-box the grate members b^2 and b^3 are dumped in the usual or any preferred manner and the ashes, charred coal, cinders and other material in the fire-box fall into the ash pit. Part of this material, as will be understood, falls on the screen f and the charred coal, cinders and the like pass downwardly over said screen and fall into the drawer or receiver d , while the ashes pass through said screen and fall into the drawer or receiver c . A part of the material in the fire-box also falls onto the screen h , and the ashes in said material pass through the said screen into the chute g and downwardly through the neck of said chute into the drawer or receiver c , while the charred coal, cinders and the like pass downwardly over said screen and around the neck g^2 of the chute g and fall into the drawer or receiver d . In this operation part of the material in the fire-box also falls onto the plate i which covers the neck g^2 of the chute g , and this material

slides down onto the lower section of the screen *f* and the ashes therein pass through the said screen into the drawer or receiver *c*, while the charred coal, cinders and the like fall into the drawer or receiver *d*.

The drawers or receivers *c* and *d* may be removed and emptied whenever desired, and by means of my improvement I provide an ash screen or sifter construction which may be applied to stoves or heaters of various kinds and classes, and which forms a part of the ash pit and is always in position for use, and by means of which all dust, dirt and the like is retained within the stove or heater, and no separate apparatus for screening or sifting the ashes is necessary, the mere operation of dumping the grate serving for this purpose.

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

A stove or other heater provided with a dumping grate below which is an ash pit in the bottom of which are placed separate re-

movable receivers for ashes, charred coal and the like, a screen extending from the top portion of the ash pit at one side thereof and below said grate downwardly and transversely to the receiver in the opposite side of the ash pit and adapted to discharge charred coal and like substances thereinto, and a closed screen forming a chute and extending from the opposite top side portion of the ash pit below the grate downwardly and transversely thereof and the lower end portion of which is contracted and passed through the bottom portion of the first named screen and adapted to discharge ashes into the other receiver.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 1st day of April, 1909.

CHARLES E. DEVERMANN.

Witnesses:

C. E. MULREANY,
H. R. CANFIELD.