

J. A. LAPOINTE.
ASH SIFTER.
APPLICATION FILED MAY 9, 1910.

986,727.

Patented Mar. 14, 1911.

3 SHEETS—SHEET 1.

Fig. 1

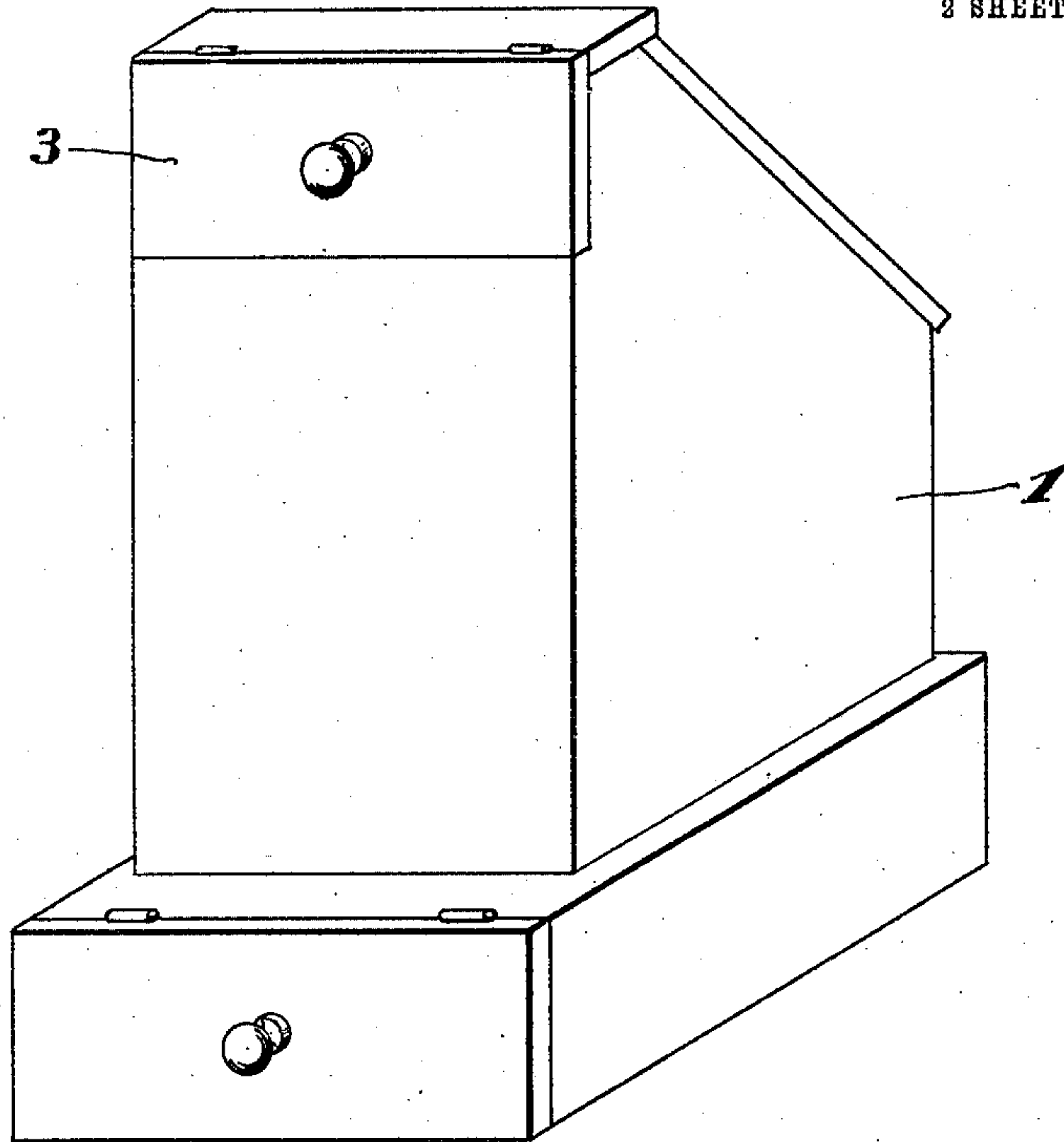
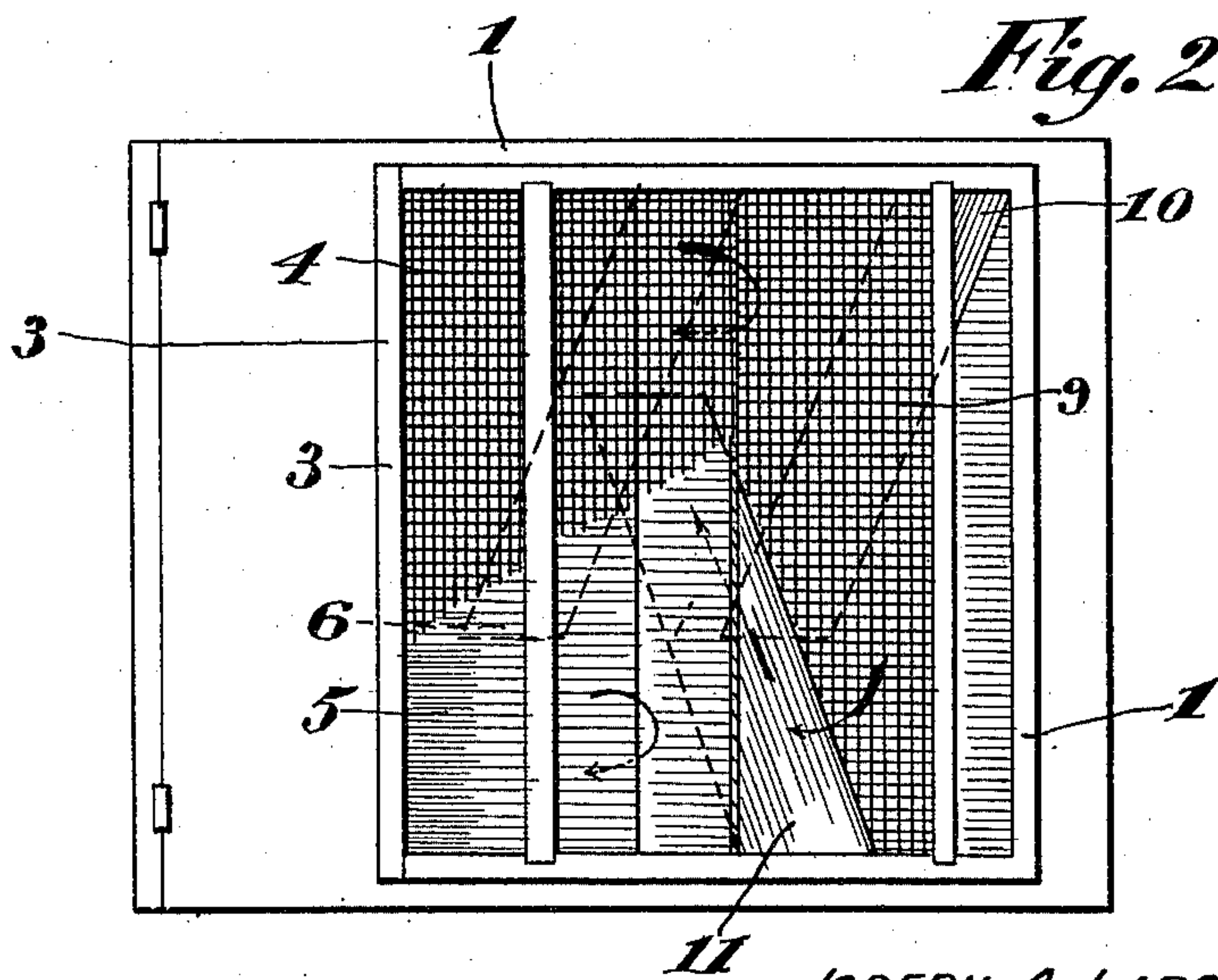


Fig. 2



Witnesses:

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2 SHEETS—SHEET 2.

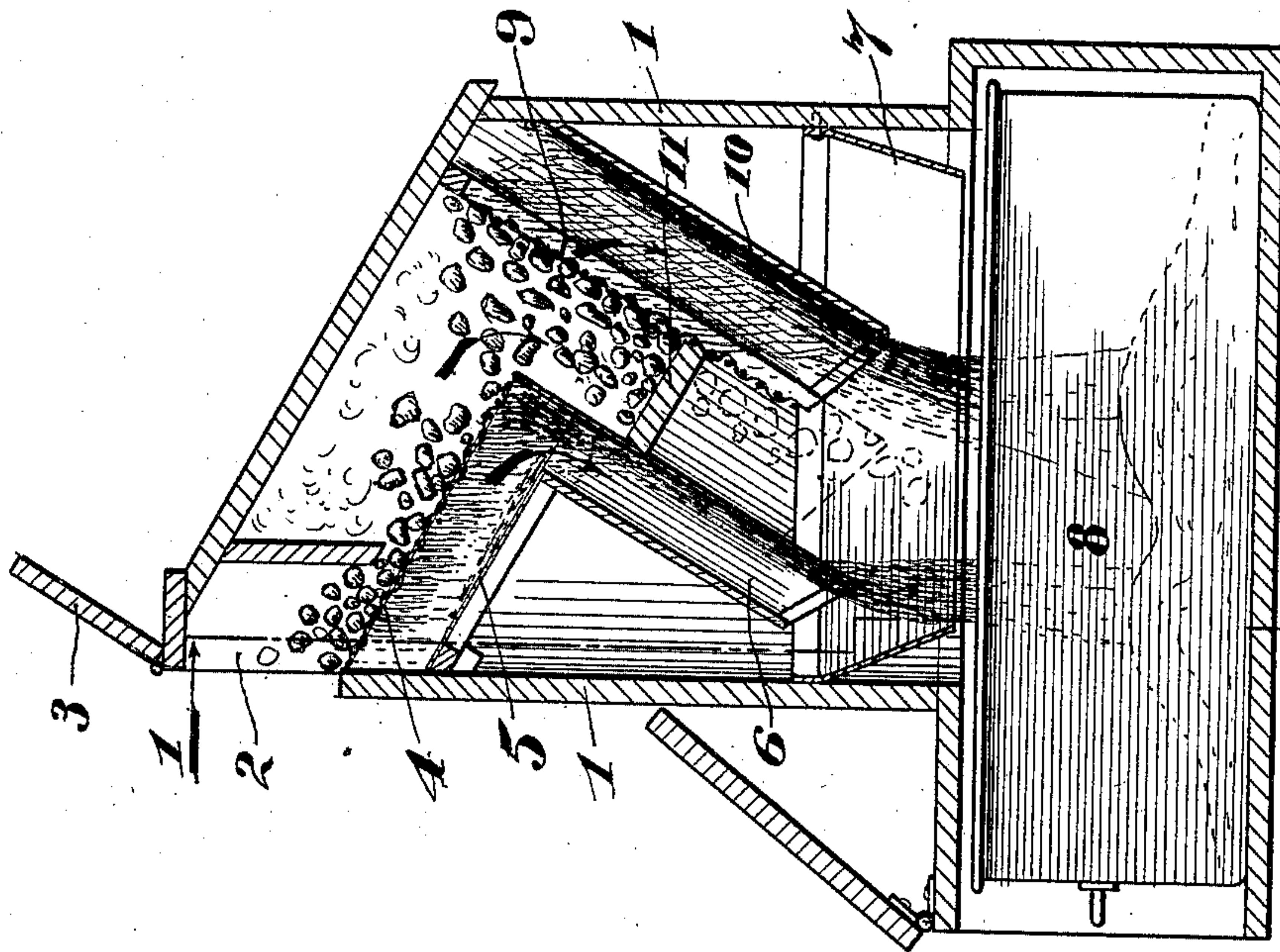


Fig. 4

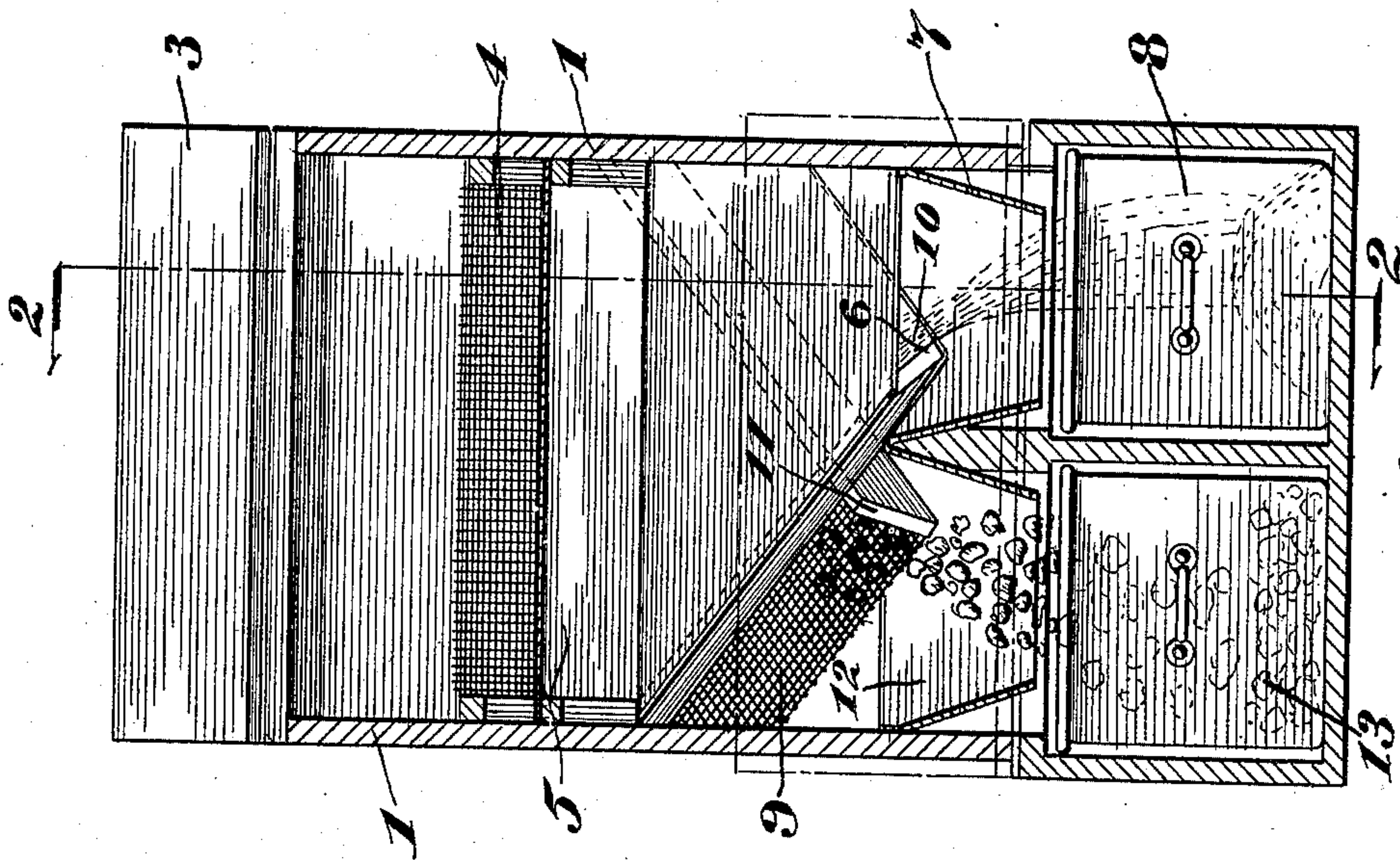


Fig. 3

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UNITED STATES PATENT OFFICE.

JOSEPH A. LAPOINTE, OF MONTREAL, QUEBEC, CANADA.

ASH-SIFTER.

986,727.

Specification of Letters Patent.

Patented Mar. 14, 1911.

Application filed May 9, 1910. Serial No. 560,178.

To all whom it may concern:

Be it known that I, JOSEPH A. LAPOINTE, a subject of Great Britain, residing at Montreal, Province of Quebec, Canada, have invented certain new and useful Improvements in Ash-Sifters; and I do hereby declare that the following is 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.

The invention to be herein described relates to ash sifters, and particularly to a sifter of the general type adapted to deliver the waste material and the separated material independently and at different points.

In order to more clearly disclose the construction, operation and use of the invention, reference should be had to the accompanying drawings forming part of the present application.

Throughout the several figures of the drawings, like reference characters designate the same parts.

In the drawings: Figure 1 is a perspective of the sifter, complete; Fig. 2 is a plan view with the top removed; Fig. 3 is a vertical cross section of Fig. 4, on line 1—1 looking in the direction of the arrow; and, Fig. 4 is a vertical cross section on line 2—2 of Fig. 3, looking in the direction of the arrow.

Referring to the drawings in detail, 1 indicates a casing provided with a feed opening 2 adapted to be closed by the doors 3. Leading downwardly and rearwardly from the opening 2, is an inclined screen 4, beneath which is the inclined plate 5. Extending downwardly and forwardly from the rear edge of the screen 4, is a chute 6, (see Figs. 3 and 4) which delivers into a hopper mouth 7, adapted to guide the waste material into a removable receptacle 8 in the bottom of the casing 1. This chute is connected at its front and rear edges, respectively, to the lower rear edge of plate 5 and the lower rear edge of the screen 4—see Fig. 3. Said chute 6 is composed of two plates joined at their top edges to the rear edges of the screen 4 and plate 5 respectively and a slanting side and deflector directing the ashes to the ash receptacle. The side of the casing 1 forms the other side of the chute. Extending downwardly and forwardly from the top of the casing, substan-

tially parallel with the chute 6, is a second inclined screen 9, behind which is a second inclined plate 10. The plate 10 is also adapted to deliver waste material through the hopper mouth 7 into the receptacle 8. Extending diagonally across the screen 9 and from the back of the chute 6 to the face of the screen, is a deflector or guide-board 11, adapted to intercept all of the separated material and guide it to the hopper 12, through which it is delivered to a receptacle 13 in the side of the casing opposite to the receptacle 8.

According to this construction, the ashes will be thoroughly sifted by passing over two oppositely inclined sifting screens, and the separated and waste materials will be simultaneously and independently delivered into receptacles in opposite sides of the casing.

It is clear that changes may be made in the construction, arrangement and disposition of the several parts of the invention, without in any way departing from the field and scope of the same, and it is meant to include all such within this application, where-in only a preferred form has been disclosed.

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

An ash sifter of the character described comprising a casing, a rearwardly and downwardly inclined screen mounted therein, a second inclined screen mounted in said casing and extending substantially at right angles to the first screen and spaced therefrom, a chute mounted in said casing parallel with said second screen and provided with a deflector extending diagonally across the casing from one side toward the other and from the chute to the screen and terminating a short distance from the opposite side, an inclined plate mounted beneath the first screen and parallel therewith, a chute connected at its front and rear upper edges to the lower end of the first screen and the lower edge of the underlying plate respectively, said chute extending substantially parallel with the first chute and being provided with a deflector extending parallel with the first deflector, a guide board arranged between the second screen and the last named chute and extending obliquely from one side of the casing toward the op-

posite side in a direction opposite to that of
the aforesaid deflectors and terminating a
short distance from the opposite side, a re-
ceptacle arranged beneath the ends of the
5 aforesaid chutes, and a receptacle arranged
beneath the end of the aforementioned sec-
ond screen.

In witness whereof I have hereunto set my
hand in the presence of two witnesses.

JOSEPH A. LAPOINTE.

Witnesses:

JOS. MARANDA,
N. Y. BERGERON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
