

No. 665,961.

Patented Jan. 15, 1901.

J. GLOVER.

ASH SIFTER.

(Application filed July 21, 1899.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

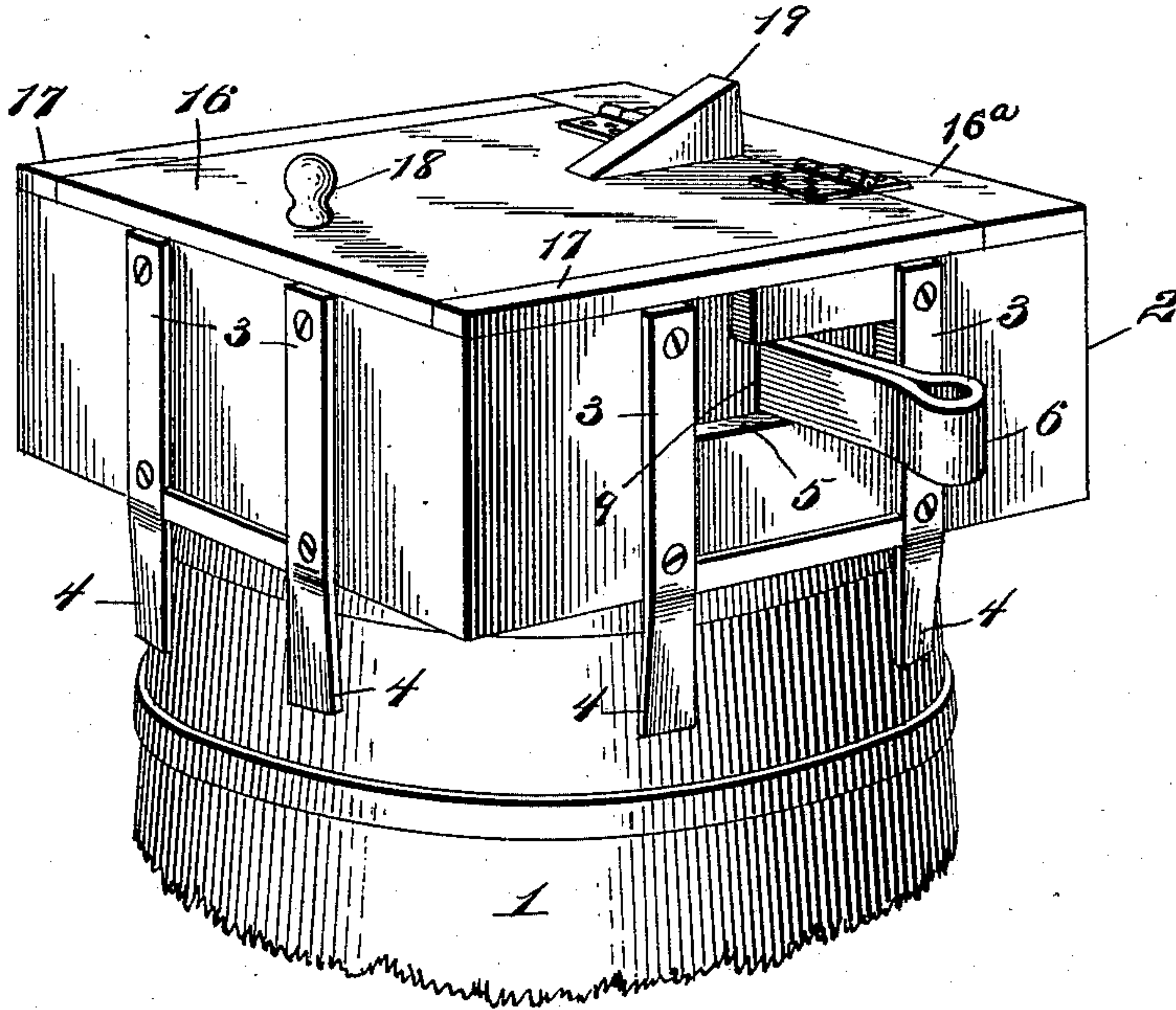
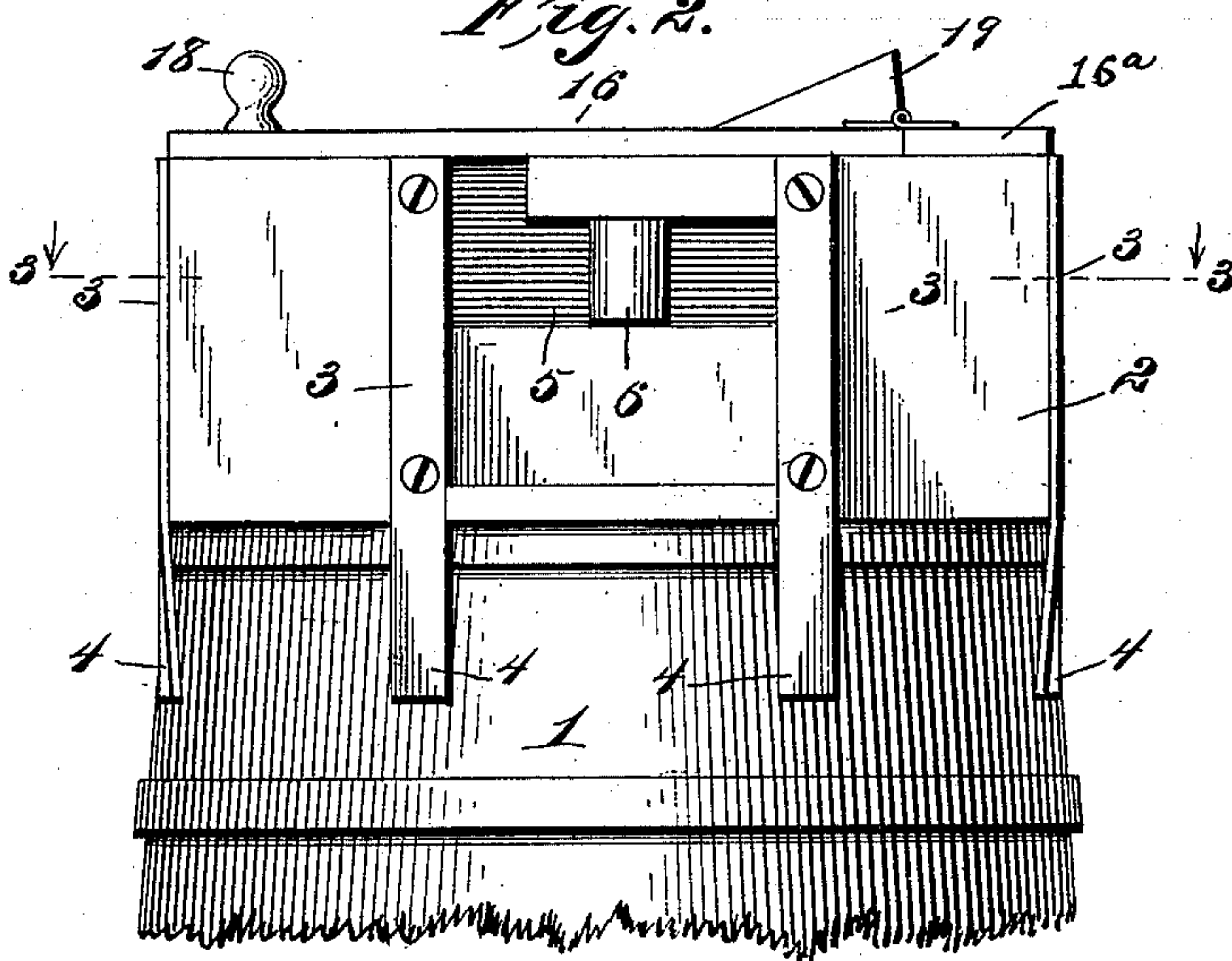


Fig. 2.



WITNESSES

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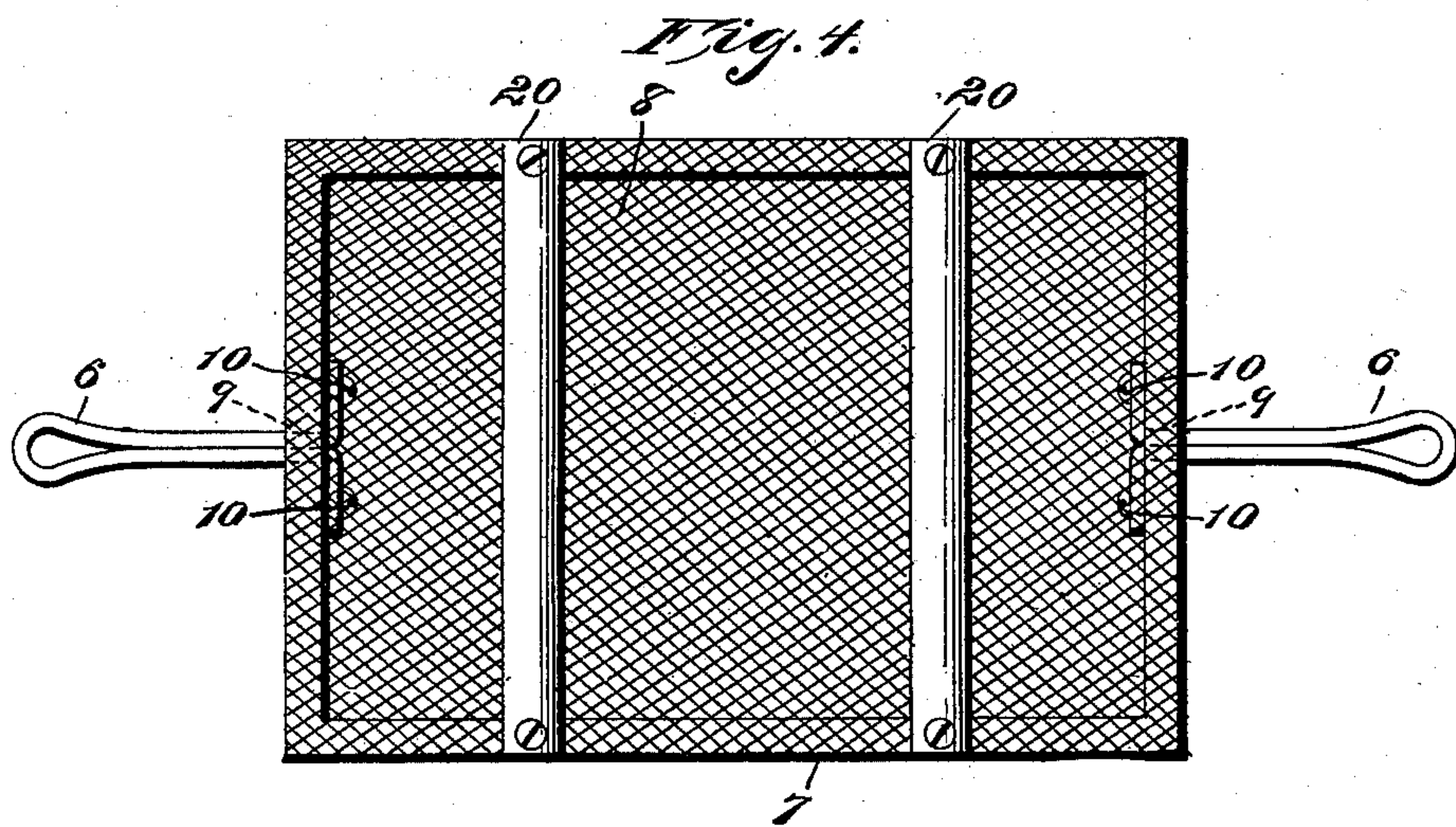
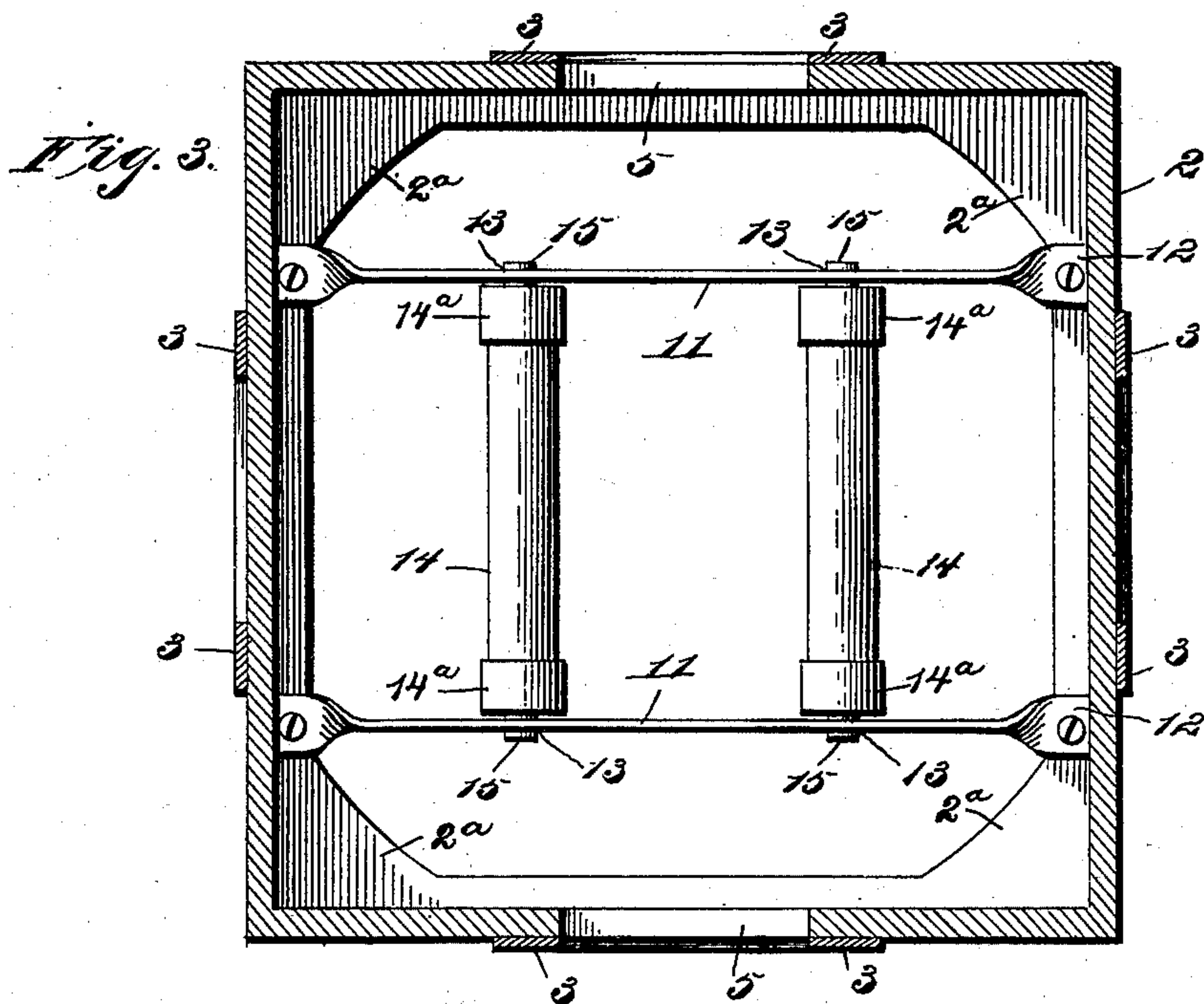
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2 Sheets—Sheet 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOSEPH GLOVER, OF PATERSON, NEW JERSEY, ASSIGNOR OF ONE-THIRD
TO MARY B. BAILEY, OF SAME PLACE.

ASH-SIFTER.

SPECIFICATION forming part of Letters Patent No. 665,961, dated January 15, 1901.

Application filed July 21, 1899. Serial No. 724,670. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH GLOVER, a citizen of the United States, residing at Paterson, in the county of Passaic and State of New Jersey, have invented certain new and useful Improvements in Ash-Sifters, of which the following is a specification.

My invention relates to ash-sifters, the object being to provide a sifter of improved construction which may be easily operated and which will confine the dust within an inclosed receiving-receptacle.

The construction of the improvement will be fully described hereinafter in connection with the accompanying drawings and its novel features defined and claimed.

In the drawings, Figure 1 is a view in perspective of an ash-sifter embodying the invention. Fig. 2 is a side elevation of the same. Fig. 3 is a horizontal section on the line 3 3 of Fig. 2, and Fig. 4 is a reverse plan of the sifter.

The reference-numeral 1 designates a barrel or like cylindrical receptacle to receive the dust from the ashes.

2 designates a rectangular box or casing provided at each of its four sides with two depending arms or straps 3, of sheet metal. The upper ends of these straps are secured to the sides of the box 2 and their lower ends 4 are bent or twisted slightly to adapt them to bear against the barrel 1.

The box 2 is formed at opposite sides with L-shaped slots 5, which are open at their upper ends for the reception of the handles 6 of the sieve. The sieve comprises a rectangular frame 7, a screen-bottom 8, and the handles 6, the latter each consisting of a strip of metal bent upon itself to form a loop, which projects through an opening 9 in the side of the frame 7 and has its ends bent in opposite directions and secured by screws 10 to the inner side of the frame, as shown by dotted lines in Fig. 4.

The box 2 is open at its bottom 2^a and is provided with two parallel bars 11, spirally twisted at their ends 12 for attachment to the bottom of the box and formed with bearings 13 for parallel antifriction-rollers 14, having journals 15, fitting the bearings 13.

The box 2 is provided with a hinged cover consisting of a board 16, fixed rear strip 16^a, and parallel side strips 17. This cover is also provided with a lifting-knob 18 and a triangular block 19, serving as a stop, which comes in contact with and seats upon the rear strip to limit the backward movement of the cover.

The under side of the sieve is provided with parallel plates or strips 20, which are rounded on their under sides and constitute ways upon which the sieve moves upon the enlarged parts 14^a of the antifriction-rollers 14.

The operation of the device will be readily understood from the foregoing description and the drawings. The handles of the sieve are passed through the open ends of the vertical portions of the slots 5, so that the strips 20 of the sieve rest on the enlarged parts 14^a of the rollers 14. By means of the handles 6 the sieve may be freely reciprocated upon the enlarged parts 14^a of the rollers 14.

It will be apparent that the box is held firmly upon the barrel 1 by the depending arms or straps 3 and that the sieve may be quickly removed to empty the sifted cinders.

I claim—

1. An ash-sifter comprising a rectangular box formed with slots at opposite sides, and provided with an open bottom, parallel bars formed with roller-bearings and secured to the bottom of the box, rollers journaled in the roller-bearings, and a sieve-frame having a screen-bottom, parallel strips secured to the under side of the sieve-frame and working on the rollers, and a pair of handles working in the slots of the sides of the box, whereby the sieve-frame is reciprocated.

2. An ash-sifter comprising a rectangular box formed with slots at opposite sides, and provided with an open bottom, parallel bars formed with roller-bearings and twisted ends, and secured to the bottom of the box, rollers having enlarged parts near their ends and journaled in the roller-bearings and a sieve-frame having a screen-bottom, parallel strips rounded on their lower sides, secured to the under side of the sieve-frame and working on the enlarged parts of the rollers, and a pair of handles working in the slots of the sides of the box whereby the sieve-frame is reciprocated.

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

JOSEPH GLOVER.

Witnesses:

JAY T. HORTON,
DAVID PATON.