

*Geo. W Bishop. Ash-Sifter.*

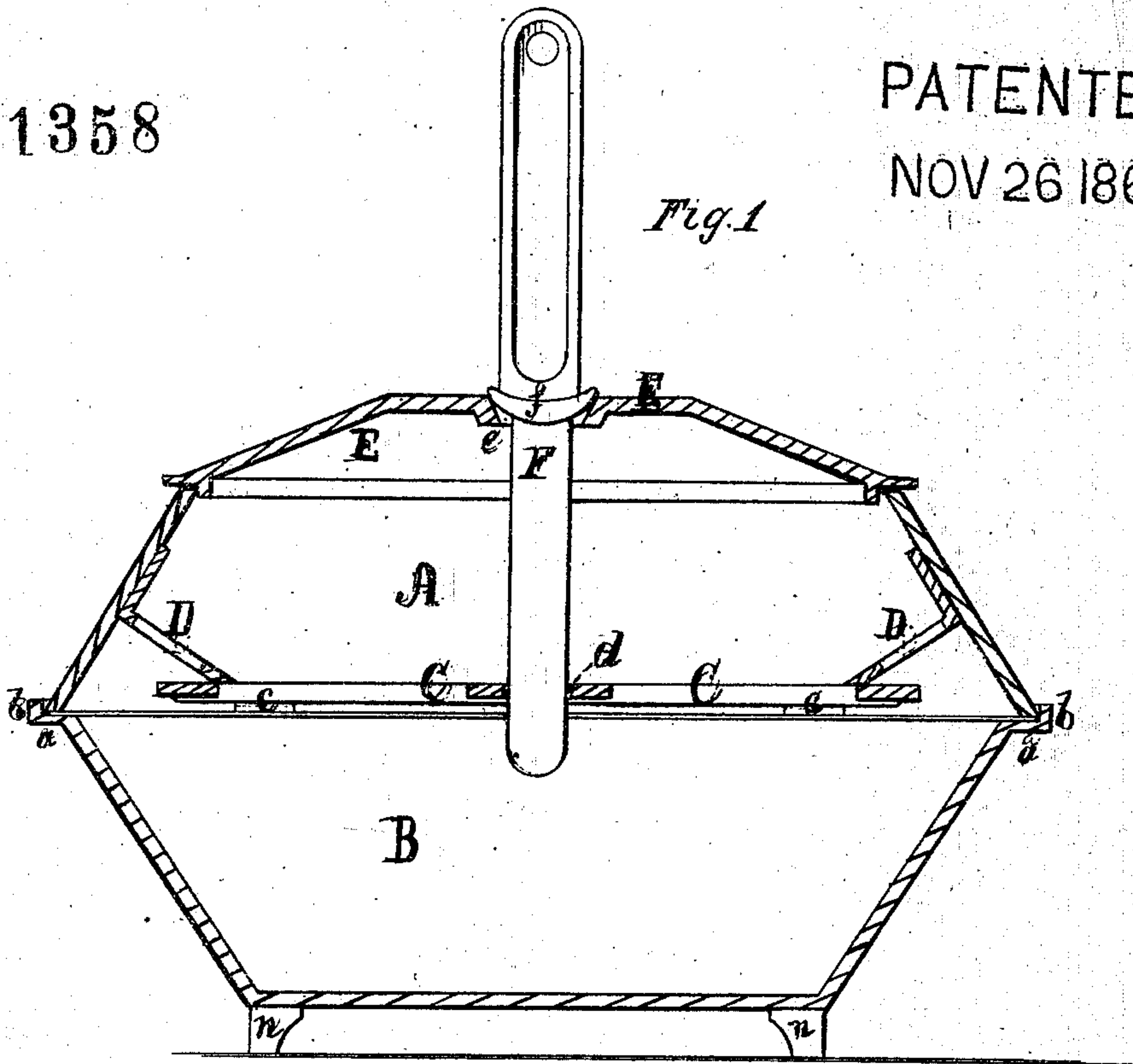
*Assigned to Himself & D. S. Trowbridge.*

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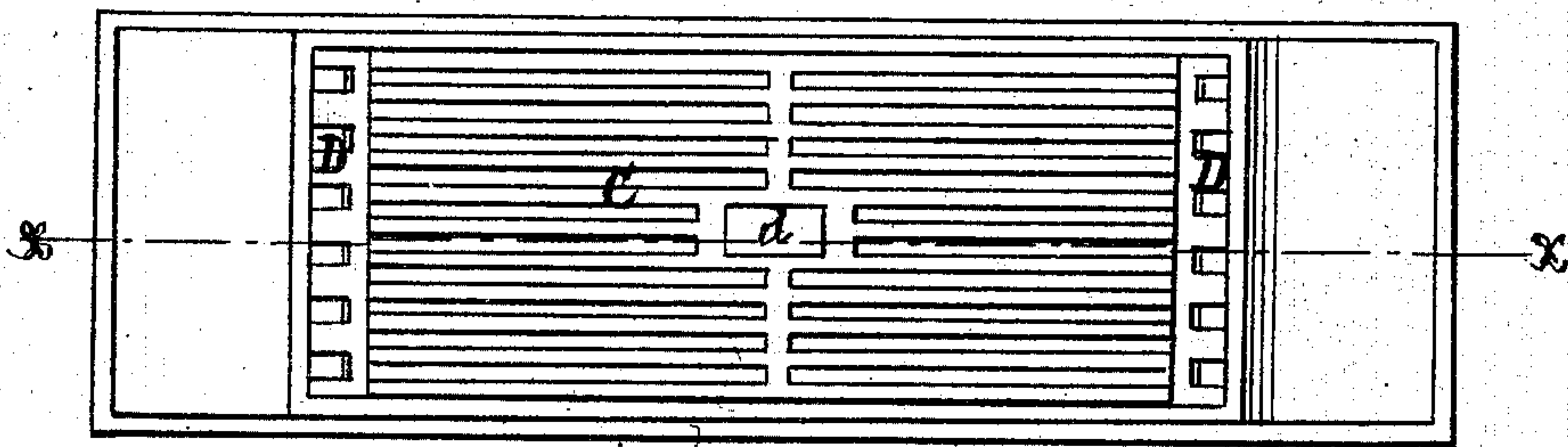
PATENTED

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*Fig. 1*



*Fig. 2.*



Witnesses:

F. B. Beecher  
Mr Cooper

*Inventor*

Geo. W. Bishop  
by M. M. Livingston  
Attorney



# United States Patent Office.

GEORGE W. BISHOP, OF STAMFORD, CONNECTICUT, ASSIGNOR TO D. S. TROWBRIDGE, OF THE SAME PLACE.

*Letters Patent No. 71,358, dated November 26, 1867.*

## ASH-SIFTER.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE W. BISHOP, of Stamford, Fairfield county, Connecticut, have invented a new and improved Ash-Sifter; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, forming part of this specification, in which—

Figure 1 is a longitudinal vertical section of my improved ash-sifter, taken on the plane of the line *x x*, fig. 2.

Figure 2 is a plan or top view, the cover and lever having been removed.

My invention consists in the combination of an ash-box, a cinder-box, a sliding-grate, and lever for operating the same, two inclined grates, or their equivalents, and a cover, the whole constructed and arranged as will be hereinafter specified, whereby I produce a neat and cheap ash-sifter, which can be used in a parlor or sitting-room without the liability of any ash-dust escaping during the sifting operation.

A designates the cinder-box, and B the ash-box. The former rests upon the top of the latter, and a dust-tight joint is made all around. In the present instance a flange, *a*, is cast around the top of the ash-box B, with an upwardly-projecting lip, *b*, upon which flange *a*, inside the lip *b*, the lower edge of the cinder-box A rests, and thereby insures a tight joint, and, at the same time, one which will permit the cinder-box A being lifted off the ash-box B quickly, and without embarrassments occasioned by latches, hooks, &c. The whole device can be lifted by placing the fingers under the flange *a*, which flange thus produces a handle without additional castings. The ash-box is mounted on feet *n n*, which raise its bottom sufficiently from the floor to prevent heat from affecting whatever it may rest upon.

C is the sifting-grate. This grate rests upon lugs or guides *c*, projecting inward from the lower edges of the cinder-box A. The grate is shorter than the box A, so that it can have a sufficient longitudinal play to agitate the cinders sufficiently to precipitate, through the apertures in the grate, the ashes.

D D are inclined grates, one end of each being secured to the inside of the end wall of the box, the other extending over the grate C so far that when the grate is moved to its furthest extent, in either longitudinal direction, the inclined grates will still rest over it. These inclined grates cover the openings which would otherwise occur at either end of the grate. The cinders being sifted are also, by the motion of the grate C, thrown upon the inclined grates, which, it is thought, increases the efficiency of the device.

E is a cover, which is placed over the opening on the top of the cinder-box. This also is fitted thereon with a dust-tight joint; the construction and arrangement being substantially the same as with the cover of an ordinary tin pail.

F is a lever for agitating the sifting-grate C. This lever passes through a slot, *e*, in the top of said cover, its lower end passing through a slot, *d*, in the centre of the grate. The lever is provided with a collar, *f*, which has a rounding lower face which rides upon the edges of the slot in the cover, and facilitates the rocking of it to and fro for agitating the sifting-grate.

The convenience of such a device is very apparent. It can be used in a parlor or sitting-room without any of the ash-dust escaping. After the cinders have been sifted, the cinder-box A can be lifted off the ash-box B, and the foreign matters picked out and thrown into the ash-box, which latter can be removed for emptying it, when the cinders can be deposited in the coal-box.

I will here remark, that if it be desired to dispense with the inclined grates D, a solid projecting piece to cover the spaces at the ends of the grate might be used; and I will also remark that the lever for actuating the grate could be attached to the sliding-grate, and project out through an aperture at the side of the box; but I prefer the arrangement herein shown and described.

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

The combination of the sliding-grate C, inclined grates D D, or their equivalents, lever F, ash-box B, and cinder-box A and cover E, constructed and arranged substantially as herein specified.

GEO. W. BISHOP.

Witnesses:

JULIUS B. CURTIS,  
D. S. TROWBRIDGE.