

(No Model.)

2 Sheets—Sheet 1.

S. S. MARLEY.
ASH SIFTER.

No. 548,999.

Patented Oct. 29, 1895.

Fig. 1.

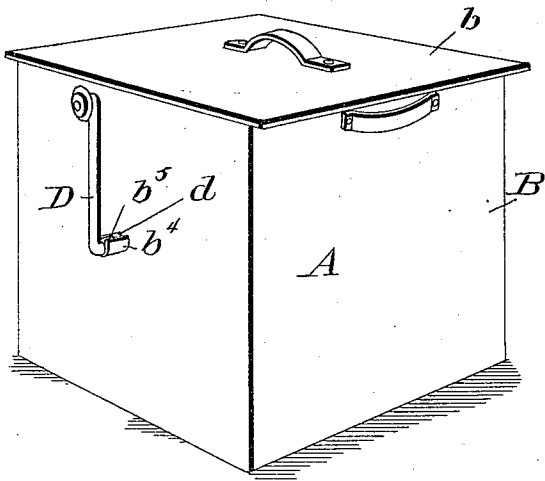


Fig. 4.

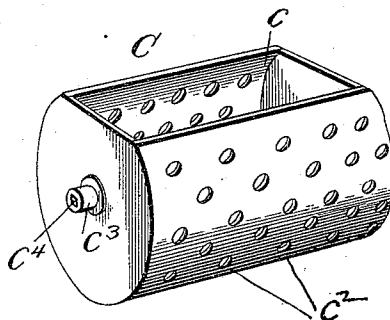


Fig. 2.

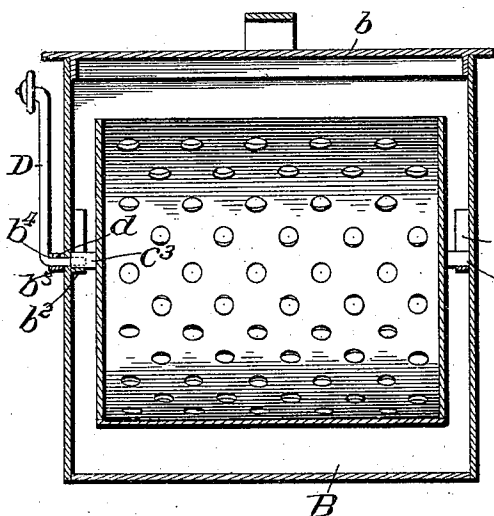
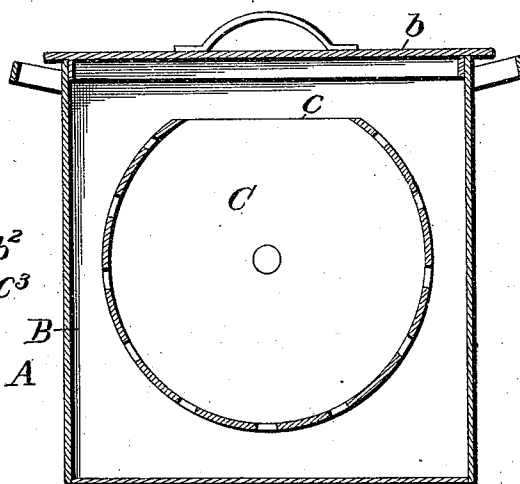


Fig. 3.



Witnesses

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By

Geo. H. Hodge

his Attorney

(No Model.)

2 Sheets—Sheet 2.

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Fig. 5.

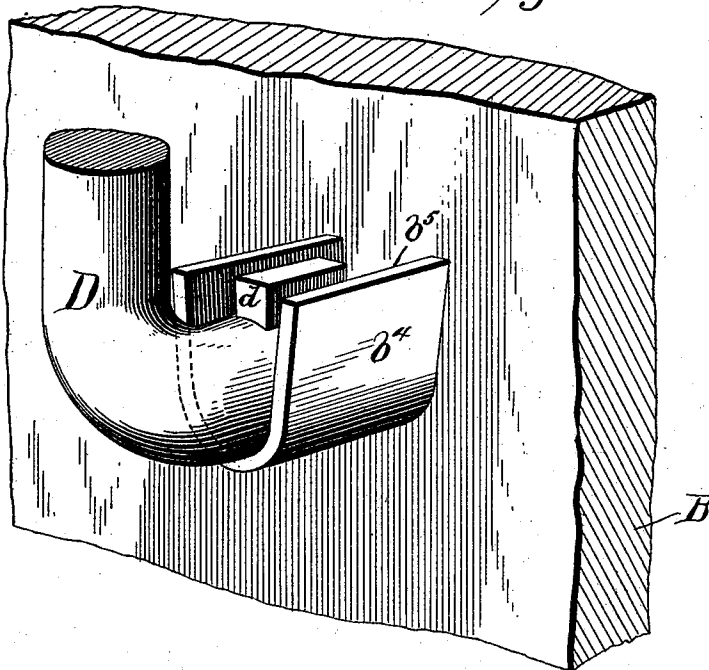
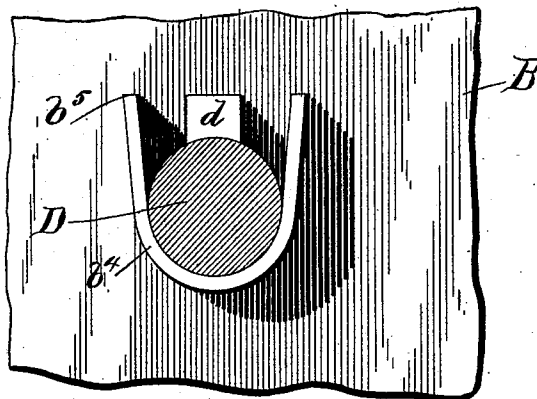


Fig. 6.



Witnesses
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UNITED STATES PATENT OFFICE.

SAMUEL S. MARLEY, OF NEWPORT, DELAWARE.

ASH-SIFTER.

SPECIFICATION forming part of Letters Patent No. 548,999, dated October 29, 1895.

Application filed February 7, 1895. Serial No. 537,611. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL S. MARLEY, a citizen of the United States, residing at Newport, in the county of New Castle and State of Delaware, have invented certain new and useful Improvements in Ash-Sifters, of which the following is a specification.

My invention relates to improvements in ash-sifters.

The object is to produce a machine of this class by which ashes may be sifted and the separated dust confined against escape in a closed receptacle; and, further, to provide for the ready removal of the cinders and ashes, and at the same time to employ a construction whereby access may be conveniently had to the interior as well as all of the parts of the sifter.

To these ends the invention consists in the improved construction and combination of parts, as will be hereinafter more fully described and claimed.

In the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in the several views, Figure 1 is a perspective view of my ash-sifter closed. Fig. 2 is a longitudinal sectional view. Fig. 3 is a cross-sectional view taken on a line at right angles to that shown in Fig. 2. Fig. 4 is a perspective detail of the sifter. Fig. 5 is a detail view, in perspective, of a portion of the casing with outer bearing and crank applied. Fig. 6 is a front view thereof with the crank in section.

In the drawings, A designates the machine, comprising a closed casing having a removable cover and a removable oscillating sifter mounted in the casing.

B designates the casing, of suitable form, preferably square, having a removable top b . Secured at diametrically-opposite points on the inner sides of the casing are two U-shaped bearings b^2 b^2 . Coincident with one of the bearings b^2 an opening b^3 is formed in the side of the casing, through which the end of a handle or crank projects. Secured to the outer side of the casing, adjacent to the opening, is a stop-bearing b^4 , having flared ends b^5 , for a purpose to be hereinafter described.

C designates the sifter, preferably cylindrical in form, and having a portion of its top cut away, as at c , to form an opening through which the ashes are introduced into the cylinder, which latter is perforated, as at c^2 . At each end the cylinder is provided with gudgeons c^3 , upon which it is rotatably supported in the casing. One of these gudgeons is provided with a squared socket c^4 , into which is fitted the projecting end of the operating-crank.

D designates the handle or crank, the lower end of which is bent at a right angle and squared for the purpose above stated. A lug d , formed on the upper side of the squared end, is adapted to rest between the flared portions of the outer bearings.

In use, the sifter being in operative position, the cover is removed and the ashes dumped into the cylinder. The cover is then replaced and the handle oscillated, causing the perforated cylinder to be turned in the bearing. After the ashes have been sifted the cover is taken off, the handle detached, and the perforated cylinder removed from the casing.

Prominent among the advantages of the invention may be mentioned freedom from escaping dust while the ashes are being sifted, the impossibility of the sifter becoming inverted, the simplicity and durability of the construction, the parts being preferably formed of sheet metal, and the small cost of manufacture.

Having thus described my invention, what I claim as new is—

1. In an ash sifter, the combination with a casing having a removable cover, a U-shaped bearing upon the opposite, inner sides of the casing, a removable sifter mounted to have an oscillatory movement in the bearings, a handle for oscillating the sifter, a lug on the handle, and an outer bearing against which said lug abuts, as and for the purpose described.

2. In an ash sifter, the combination of the casing having a removable cover and inner and outer bearings, the outer bearing being U-shaped with the walls thereof flared, an os-

cillating sifter removably mounted in the inner bearings, a handle located outside of the casing and being removably connected with the sifter, a projecting lug on the handle abutting the walls of the outer bearing, as and for the purpose specified.

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In testimony whereof I have hereunto af-

fixed my signature in the presence of two subscribing witnesses.

SAMUEL S. MARLEY.

Witnesses:

JOS. W. H. WATSON,
A. A. ROBINSON.