

J. E. CROSBY.  
 ASH SIFTER.  
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1,125,482.

Patented Jan. 19, 1915.

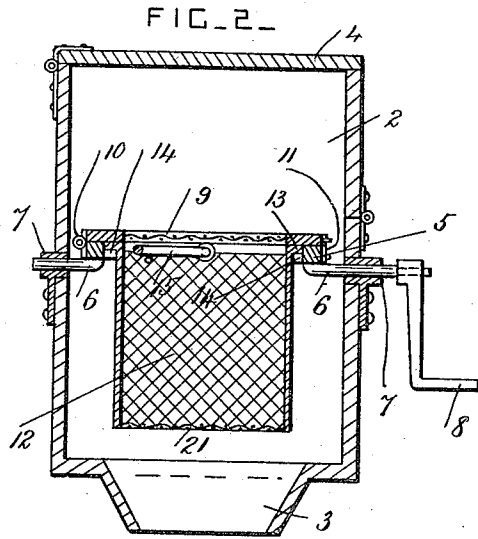
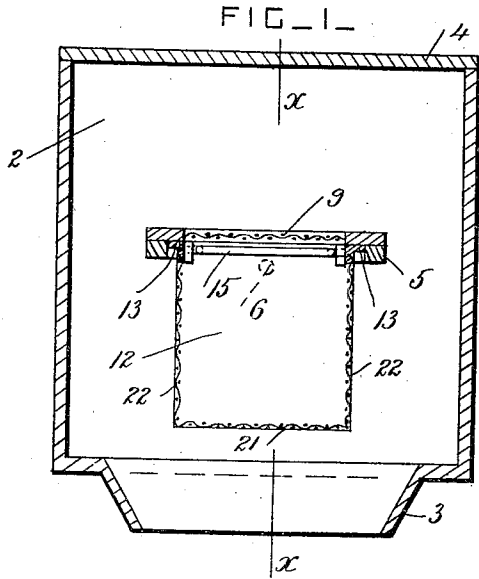


FIG. 3\_

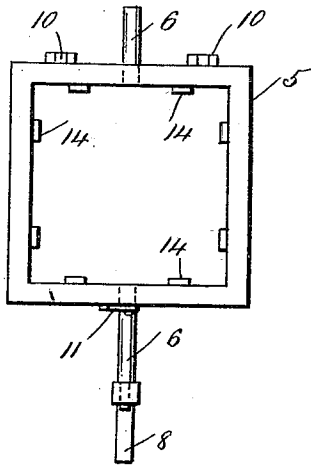


FIG. 4\_

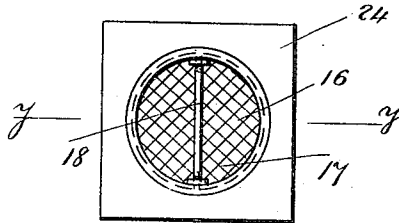
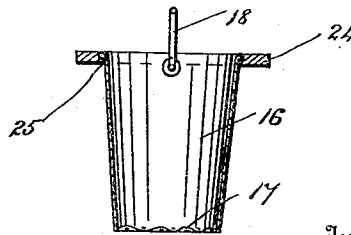


FIG. 5\_



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## ASH-SIFTER.

1,125,482.

Specification of Letters Patent.

Patented Jan. 19, 1915.

Application filed July 9, 1914. Serial No. 850,063.

*To all whom it may concern:*

Be it known that I, JOSEPH E. CROSBY, a citizen of the United States, residing in the borough of Brooklyn, in the city and State of New York, have invented certain new and useful Improvements in Ash-Sifters; and I do hereby declare the following to be 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.

This invention relates to portable ash sifters for domestic use which are provided with rotary screening or sifting devices; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a longitudinal section through an ash sifter constructed according to this invention. Fig. 2 is a cross-section, taken on the line  $x-x$  in Fig. 1. Fig. 3 is a plan view of the rotary frame. Fig. 4 is a plan view of an auxiliary frame and a sifting bucket. Fig. 5 is a vertical section, taken on the line  $y-y$  in Fig. 4.

The casing 2 of the sifter is of any approved shape and material, and it is preferably rectangular, and it is provided with a chute or hopper 3 at its bottom adapted to fit into any convenient ash receiver. The casing is preferably provided with a hinged lid or flap 4 at its top, and a hinged door or flap at its front side, for convenience in inserting and removing the sifting vessel.

A rotary frame 5 is provided and has shafts or pivots 6 at its ends which are journaled in bearings 7 in the front and rear sides of the casing. One of these shafts has a crank handle 8 for revolving it. A lid 9 of wire-work or other sifting material is pivoted by hinges 10 to one end of the frame, and a catch 11 of any approved construction is provided at the other end of the frame for securing the lid 9 to it.

A rectangular sifting vessel 12 is provided, which has a flange or lugs 13 at its top adapted to rest on lugs or flanges 14 which project inwardly from the frame. The vessel 12 has a bottom 21 and end portions 22 of wire-work or other shifting material, and it has a bail 15 at its top for carrying it. The bail is adapted to fold down into the vessel, and the lid 9 is adapted to

close the top of the vessel when the vessel is placed in the rotary frame.

The ashes and cinders are placed in the vessel 12 which is then placed in the frame, and is secured by the hinged lid 9. The rotary frame is then revolved by hand so that the ashes fall from it through the delivery chute or hopper. As the casing is closed tightly the sifting operation is performed without the escape of dust and fine ashes, and the cinders are subsequently removed from the vessel 12.

Instead of a rectangular vessel 12, a bucket 16 may be used as a sifting vessel. This bucket has a bottom 17 of wire-work, and a bail 18. An auxiliary frame 24 for receiving the bucket is provided. This auxiliary frame has a round hole 25 which fits the top portion of the bucket, and the frame 24 is made rectangular in form so that it may rest on the lugs 14 of the rotary frame 5.

What I claim is:

1. In an ash sifter, the combination, with a casing, of a rectangular frame provided with pivots which project laterally from it and which are journaled in the casing, said frame being provided with inwardly projecting lugs arranged below its top side, a portable sifting vessel provided with a rectangular plate at its top edge which fits into the said frame and rests on its lugs, and a removable cover secured to the frame over the said plate and clamping it against the said lugs.

2. In an ash sifter, the combination, with a casing, of a rectangular frame provided with pivots which project laterally from it and are journaled in the casing, said frame being provided with inwardly projecting lugs arranged below its top side, a portable sifting bucket, a removable rectangular plate provided with a hole which engages with the top edge of the bucket, said plate being arranged to fit into the said frame and rest on its lugs, and a removable cover secured to the frame over the said plate and clamping it against the said lugs.

In testimony whereof I have affixed my signature in the presence of two witnesses.

JOSEPH E. CROSBY.

Witnesses:

GERARD R. KERN,  
ARTHUR H. BULL.