

(No Model.)

J. BONOWITZ.
SIFTER FOR ASHES, &c.

No. 569,320.

Patented Oct. 13, 1896.

Fig. 1.

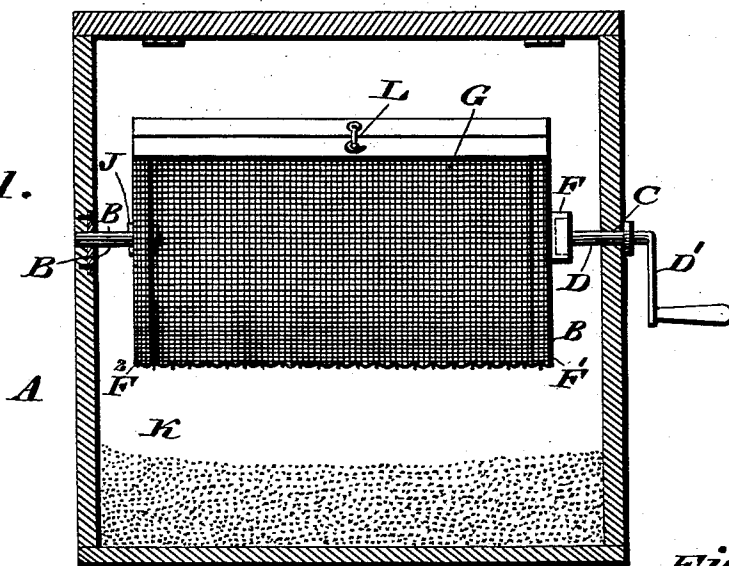


Fig. 2.

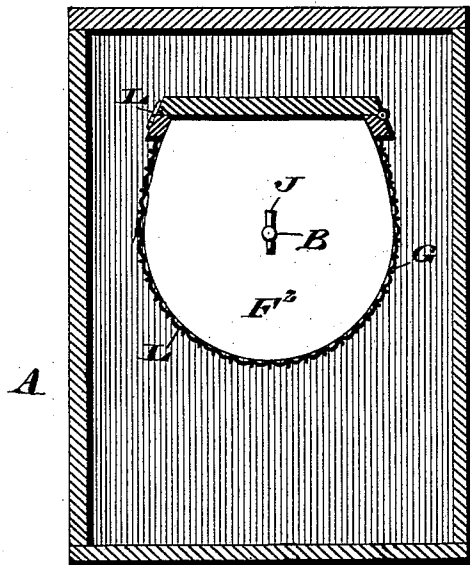


Fig. 3.

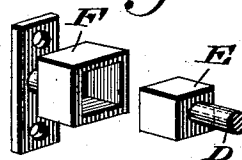
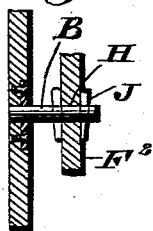


Fig. 4.



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SIFTER FOR ASHES, &c.

SPECIFICATION forming part of Letters Patent No. 569,320, dated October 13, 1896.

Application filed March 21, 1896. Serial No. 584,261. (No model.)

To all whom it may concern:

Be it known that I, JACOB BONOWITZ, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Sifters for Ashes, &c., which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a sifter for ashes, &c., the same consisting of the box or receptacle and a screen which is removably mounted therein, the means for supporting the screen and forming the journals thereof being of novel construction, as will be hereinafter more fully set forth and claimed.

Figures 1 and 2 represent vertical sections at a right angle to each other of an ash-sifter embodying my invention. Fig. 3 represents a perspective view of the journal for one end of the screen. Fig. 4 represents a section of the journal for the opposite end thereof.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates a box, the same having on the interior of one side thereof a gudgeon B and in the opposite side the opening C, the latter receiving the shaft D, which is provided with the crank-handle D', the inner end of said shaft being squared or having secured to it the head E, which is adapted to enter the socket F, which is affixed to the adjacent head F' of the screen G, it being noticed that the head F' of the latter, opposite to that to which the socket F is affixed, has an opening H to receive the gudgeon B.

It will be noticed that the gudgeon B is of such length that the screen G may be pushed laterally thereover, in the present case to the left, and then to the right, so as to be fully supported thereon, after which the head E of the shaft D is inserted in the socket F, thus sustaining the screen on its journals. Keys or pins J are now passed through the gudgeon B on opposite sides of the head F' of the screen, thus retaining the screen on said gudgeon and in connection with the shaft C.

The operation is as follows: The lid of the box and that of the screen are opened and the cinders and ashes placed in the screen, after which the lids are closed, the lid of the screen being secured by a catch L or other suitable device, after which the screen is rotated by the crank-handle D' on the gudgeon

B and by the shaft C on the side of the box. The ashes fall into the box, while the cinders and coal remain in the screen. The lids are now opened and the keys or pins J withdrawn, after which the shaft D is moved outwardly, whereby the head E emerges from the socket F, and the screen is then moved on the gudgeon, in the present case to the right, whereby the head F' clears said gudgeon and the screen is free to be withdrawn from the box. The lid of the screen is then opened and the cinders and coal poured out of the same into a hod or other receptacle, while the contents of the box A may be discharged into an ash-barrel or dumped upon a place of deposit as desired. The screen may again be restored to its position within the box by fitting it on the gudgeon B and advancing the head of the shaft D so as to enter the socket F, after which the keys or pins are applied whereby the screen is connected with its bearings and sustained thereon, so that when it is recharged it may be rotated and the sifting accomplished as in the previous case.

When the lid of the box is closed, the device is dustless when operated, thus adding to the efficiency and practicability of the same.

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

1. In an ash-sifter, a screen having a gudgeon on one end, on which said screen is longitudinally movable, a socket on the other end, and a crank-shaft journaled in the wall of an inclosing box and provided with a head removably fitting in said socket, and means connected with said gudgeon for retaining said screen in fixed position thereon, said parts being combined substantially as described.

2. An ash-sifter consisting of a box, a screen having on one end a gudgeon on which said screen is longitudinally movable, keys for retaining said screen in place on said gudgeon, a socket secured to the other end of said screen, a crank-shaft journaled in the wall of the said box and having a head removably engaged in said socket, said parts being combined substantially as described.

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Witnesses:

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