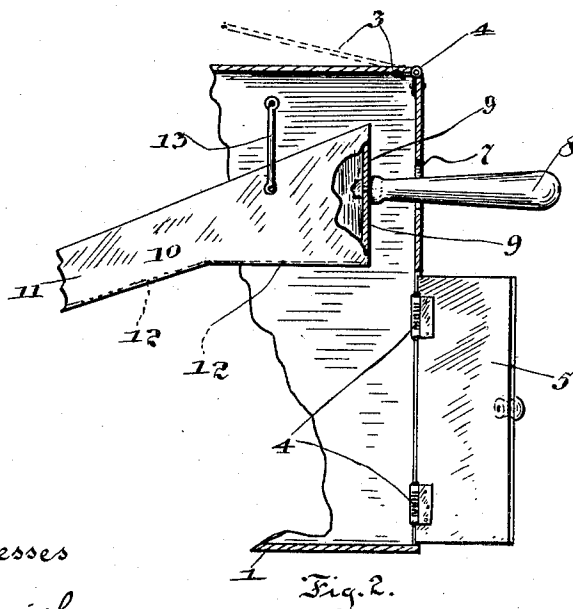
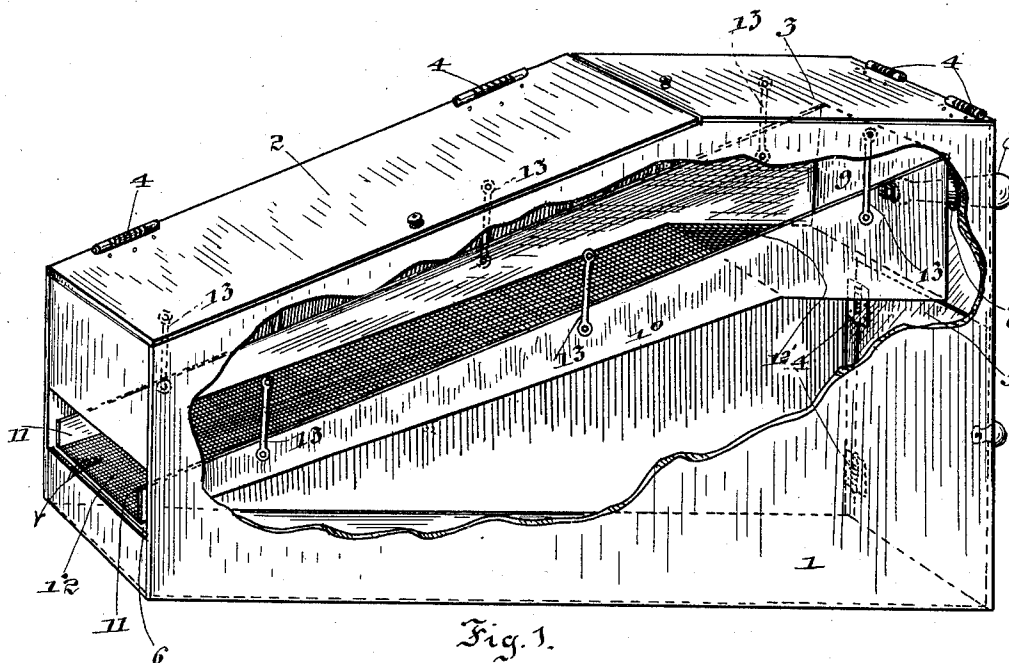


M. BUHLIG.
ASH SIFTER,
APPLICATION FILED MAR. 7, 1910.

983,532.

Patented Feb. 7, 1911.



Witnesses
W. C. Smith
B. G. Richards

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UNITED STATES PATENT OFFICE.

MORITZ BUHLIG, OF CHICAGO, ILLINOIS.

ASH-SIFTER.

983,532.

Specification of Letters Patent.

Patented Feb. 7, 1911.

Application filed March 7, 1910. Serial No. 547,700.

To all whom it may concern:

Be it known that I, MORITZ BUHLIG, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, 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 and has for its object the production of a device of this character which shall be inexpensive of manufacture and efficient in its operation.

A further object of my invention is to provide a sifter constructed so as to prevent dust from arising therefrom when the same is in operation.

Other objects will appear hereinafter.

With these objects in view my invention consists in the novel construction and arrangement of parts which will be hereinafter fully described and more particularly pointed out in the appended claim.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification, and in which,

Figure 1 is a perspective view of my improved ash sifter, and Fig. 2 is a vertical section thereof showing the manner of operating the sieve.

Referring now to the drawings, 1 designates the preferably sheet metal body which may be supported upon a box or other object. Provided on the top of the body 1 are lids 2 and 3 which are hinged thereto by means of spring hinges 4, the latter being used in order that said lids may fit closely to the body 1. Hinged to one end of the body 1 in order to provide access to the interior thereof is a lid 5. The lid 3 is used for the introduction of coal and ashes into the sifter and the opening 6 is provided for the discharge of coal. An opening 7 is provided at one end of the body 1 and through which a handle 8 extends which is secured to the end 9 of the inclined sieve 10, the latter having sides 11 and a wire mesh bottom 12. A portion 12' of the wire mesh bottom is horizontally disposed and arranged to receive the coal and ashes when introduced through the opening which is covered by the lid 3, the object of the portion 12' being to prevent the ashes from sliding down the sieve 10 until the same is reciprocated. The sieve 10 is suspended by means of a plurality of links 13 which are pivoted thereto and to

the sides of the body 1 in order that said sieve may freely reciprocate when motion is given to the handle 8.

In use when the mixture of coal and ashes is thrown into the sieve 10 after the lid 3 is opened the main bulk of the same rests upon the wire mesh portion 12'. Then the sieve is given a reciprocatory motion by means of the handle 8 which projects through the opening 7 at the end of the sifter. The lid 2 is provided in order to render the sieve accessible in case of clogging of the coal and ashes thereon.

While I have shown what I deem to be the preferable form of my improved sifter I do not wish to be limited thereto as there might be various changes made in the details of construction and arrangement of parts described without departing from the spirit of the invention, and hence I desire to avail myself of such changes and modifications as fairly fall within the spirit and scope of the appended claim.

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

In an ash sifter, a body comprising a pair of vertical parallel sides, a bottom and end members, said body being open at the top, one end of said top comprising an end entrance opening and said top being provided with a closure at said entrance end and a separate closure forming the remainder of the top, there being a discharge opening in one of said end members and an opening in the opposite end member for the removal of ashes, a closure for the last said opening, a sieve having a horizontal sieve portion arranged below the first said closure to receive material and an inclined sieve portion extending longitudinally therefrom and arranged to direct material to said discharge opening, a plurality of links pivotally connecting to said sieve and to the sides of said body for swingingly supporting the same, and means for reciprocating said sieve, said means comprising a handle secured to said sieve and projecting through an opening in said body, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MORITZ BUHLIG.

Witnesses:

JOSHUA R. H. POTTS,
JANET E. HOGAN.