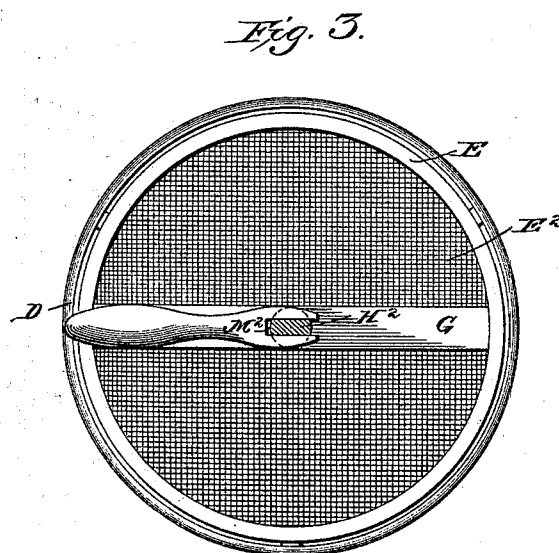
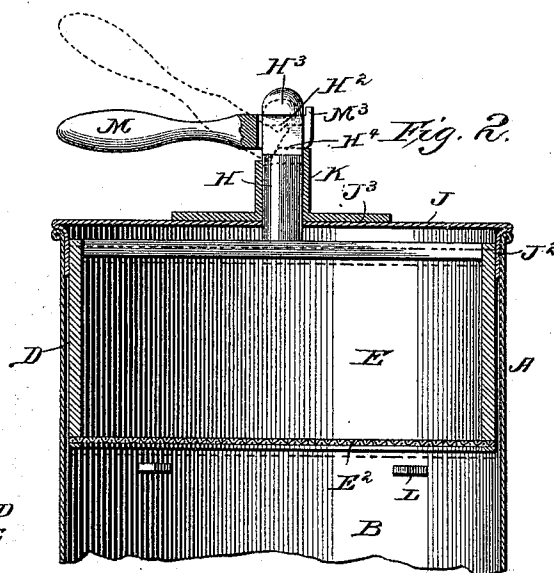
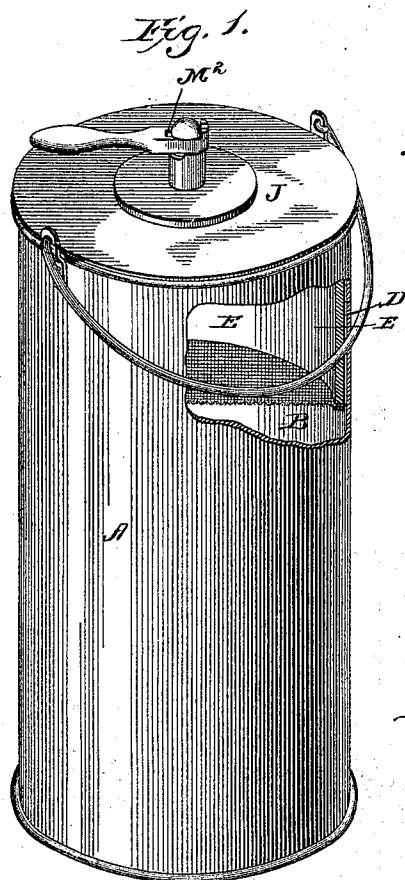


(No Model.)

C. EBERLE.
ASH SCREENER.

No. 519,246.

Patented May 1, 1894.



Witnesses:
John Enders, Jr.
Alison Wallis.

Inventor:
Christina Eberle,
by
Charles C. Bulkley,
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UNITED STATES PATENT OFFICE.

CHRISTINA EBERLE, OF CHICAGO, ILLINOIS.

ASH-SCREENER.

SPECIFICATION forming part of Letters Patent No. 519,246, dated May 1, 1894.

Application filed January 10, 1894. Serial No. 496,346. (No model.)

To all whom it may concern:

Be it known that I, CHRISTINA EBERLE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Ash-Screeners, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to certain improvements in that class of apparatus employed to screen or sift ashes, or for other analogous uses.

My invention has for its object the provision of means by which a receptacle for the ashes is provided, and which is adapted to be completely covered during the operation of screening or sifting the ashes so that by no possibility can any of the dust or disagreeable odors escape from said receptacle, the mechanism employed to accomplish the result of screening or sifting being completely inclosed and contained within the ashes receptacle and which mechanism is of the most positive and simple character, being so positioned and held when in operation as to dispense with the necessity of using any sliding or anti-friction devices in conjunction with the screen, it being my object to provide means by which the screening mechanism may be arranged either in an operative or inoperative position, from the exterior of the ashes receptacle.

To this end my invention consists in an ashes containing cylinder of any suitable size or length, and which need not differ in shape from any ordinary receiving receptacle, an annular screening box having a screen secured to its lower circular edge, within which screening box the ashes to be screened are deposited and which box when not in operation, for the purpose of screening, rests upon projections from the interior of the ashes receptacle, a perforated cover through which is extended a post secured at its lower end to the screening box, a sleeve surrounding said post mounted on the cover and having an upper beveled edge, and an attachable and detachable handle which engages the post and in conjunction with the beveled edge of the sleeve, in the attachment of the handle, raises the screening box into a suspended position and adapts the same for free rotation or vibration in the operation of screening, the detachment of the handle permitting the screen-

ing box by gravity to resume its seat when not in operation.

My invention consists further in certain details of construction and arrangement of parts hereinafter to be particularly described, reference being now had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved ashes screener, partly broken away to show the screen and screening box in section. Fig. 2 is an enlarged central cross sectional view. Fig. 3 is a plan view of the ashes screener the cover being removed for the purpose of illustration.

The ashes receptacle as a whole is designated by the letter A, the lower portion B of which receives the ashes after the same have been sifted or screened and the upper portion D of which is adapted to receive the screening box E, which latter, as shown in Fig. 3 more particularly, is cylindrical and concentric with the portion D of the ashes receptacle E. The screening box E has extended across and secured to each side of the same a cross bar G, the vertical post H being secured thereto midway of its length. The cover J when in position has its flange J² positioned between the outer side of the screening box E and the wall of the ashes receptacle A. Secured to the upper side of the cover J by means of the annular flange J³ is the sleeve K through which the vertical post H passes after having first passed through a central perforation in the cover J. Secured about the lower annular edge of the screener box E is the screen E². Projected from the inner surface of the portion B of the ashes receptacle A are the studs L. The upper portion of the post H is cut out on both of its sides at H² thus forming a shank and the button H³. The handle M is slotted at M² at its engaging end and provided with the beveled upturned lugs M³ and the upper edge of the sleeve H is formed with the shoulders H⁴.

The operation of my device is as follows: When the screening box E and screen E² are not in use, the said screening box rests upon projected lugs L, the handle M being detached. In order to sift the ashes the cover J is first removed by raising the same vertically until free of the post H, when the ashes may be deposited within the screening box E,

the cover then being readjusted by engaging the same over the end of the post H and lowering said cover until it finds a seat, as shown in Fig. 2, the ashes receptacle A being then
 5 completely closed and sealed and the screening box E being still seated on the lugs L. When this is accomplished the handle M, heretofore detached, is brought into such a position as that the shank H² of the post H is
 10 within the slot M². In order to engage and attach the handle with the post H the handle must first be elevated into the position shown by the dotted lines in Fig. 2, so that the lugs M³ first engage under the button H³ and as
 15 the handle M is then brought into its horizontal plane and pushed forward the forward portion of said handle rides up and upon the shoulders H⁴ of the sleeve K and thus at the same time draws upwardly upon the post
 20 H and thus in turn raises the screening box E from off the lugs L, so that the screening box is adapted by means of the handle to be rotated in a continuous circular path or from side to side for the purpose of screening or
 25 sifting the ashes within the screening box E.

It is evident that I provide a simple and cheap attachment for the purpose of effecting the results, which is practically noiseless in its operation and which does not permit
 30 the escape of dust or disagreeable odors so that, if desired, my apparatus may be employed to sift the ashes within a dwelling without inconvenience.

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

1. In an ashes screener, an inclosed ashes receptacle, a screener receptacle positioned within the ashes receptacle and adapted to

be moved therein, a screen secured to said
 40 screener receptacle, means for sustaining the latter when not in use, an attachable and detachable handle, a connector between the handle and the screener receptacle, and a stationary inclined plane or planes acting as a
 15 fulcrum in the attachment of the handle to the connector, whereby the screener receptacle and screen may be raised clear of the means by which the same are held when not
 in operation.

2. In an ashes screener, an ashes receptacle, a cover therefor, a sleeve mounted on said cover having inclined planes formed thereon, a screener receptacle positioned within the
 50 ashes receptacle, means for sustaining the screener receptacle when not in use, an attachable and detachable handle, and a connector between the handle and screener receptacle.
 55

3. In an ashes screener, an ashes receptacle, a cover therefor, a sleeve mounted on said cover having inclined planes formed thereon, a screener receptacle positioned within the
 60 ashes receptacle, means for sustaining the screener receptacle when not in use, an attachable and detachable handle having a slotted engaging end, and a connector having
 65 a shank adapted to be engaged by the slotted end of the handle, which connector is secured to the screener receptacle and passes through
 70 the sleeve.

In testimony whereof I affix my signature in presence of two witnesses.

CHRISTINA EBERLE.

Witnesses:

C. C. BULKLEY,
 L. M. BULKLEY.