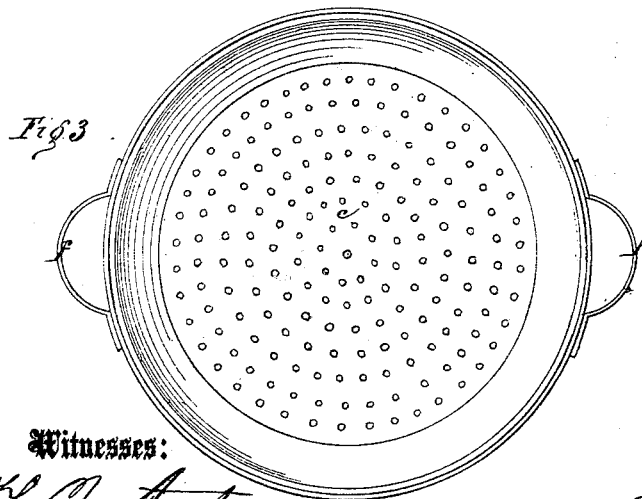
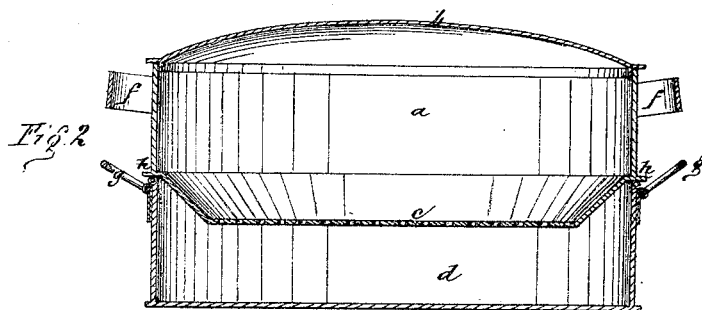
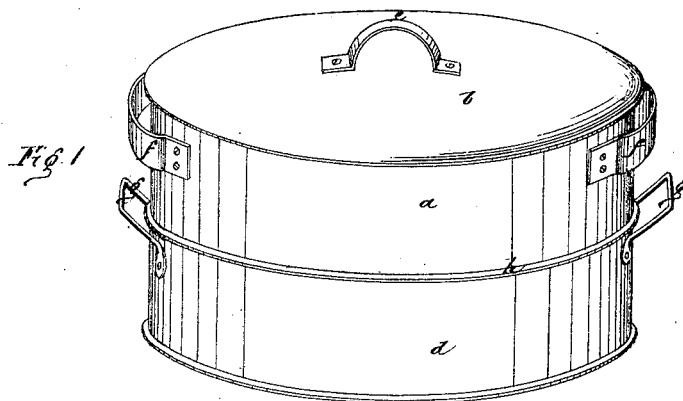


G. W. TAYLOR.

Improvement in Ash-Sifters.

No. 114,224.

Patented April 25, 1871.



Witnesses:

*H. J. Arct*  
*C. A. Pettit*

Inventor:

*Geo. W. Taylor.*

Attorneys.

# United States Patent Office.

GEORGE W. TAYLOR, OF BALTIMORE, MARYLAND.

Letters Patent No. 114,224, dated April 25, 1871.

## IMPROVEMENT IN ASH-SIFTERS:

The Schedule referred to in these Letters Patent and making part of the same.

### *To all whom it may concern:*

Be it known that I, GEORGE W. TAYLOR, of Baltimore, in the county of Baltimore and State of Maryland, have invented a new and improved Ash-Sifter; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a perspective view of the exterior of the apparatus;

Figure 2 is a sectional elevation of the same; and Figure 3 is a top view of the sifter proper.

This invention relates to improvement in ash-sifters, and consists in the construction and arrangement of parts as hereinafter described and claimed.

These parts consist of a cylindrical case, provided with a deflected perforated bottom, and a removable cover fitting it to perform the office of a sifter for coal-ashes, cinders, &c., and of a pan on which said sifter is placed to be rotated or vibrated in a horizontal plane to cause the ashes to fall in the pan, each part being provided with handles or bails for convenience of operation.

Referring to the drawing—

*a* is the receiving-pan.

*b*, the cover thereof.

*c*, its perforated bottom.

*d*, the ash-pan.

*e*, the cover-handle.

*f f*, the sifter-ears.

*g g*, the ash-pan ears.

*h*, a flange on the sifter which enables it to sit upon the ash-pan and be vibrated or shaken thereon sufficiently to sift the refuse from the cinders in the sifter.

The ash-pan is not disturbed during this operation, but remains stationary on the ground or floor.

No dust can escape from either ash-pan or sifter as long as the latter sits upon the former.

It will be observed that the part *d* of the sifter is adapted for use in various other ways, or for other purposes than that here described.

Also, the part *a* is so constructed as to be employed in carrying coal cinders, or even cinders and ashes commingled, with convenience and with little danger of any portion thereof escaping.

The deflected bottom *c* being beveled or inclined around the edge, the friction resulting from the vibration of the part *a* is much less than it would be if a vertical wall or flange were substituted, while the ashes cannot effect a lodgment around the edge of the bottom inside the part *a*, as they would otherwise do, but are forced to concentrate over the perforations, and are thus readily shaken through into the pan *d*.

I am aware of the use of sifters in which one part is adapted to vibrate, the same being arranged inside the ash-pan; but they are open to objections which my invention overcomes.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The improved ash-sifter herein described, consisting of the part *a*, having the cover *b*, flange *h*, and deflected perforated bottom *c* with an inclined or beveled edge, and the ash-pan *d*, said parts *a* and *d* being provided respectively with the handles *f* and *g*, all as and for the purpose specified.

GEORGE W. TAYLOR.

Witnesses:

WM. B. BURKE,

EUGENE SHAW.