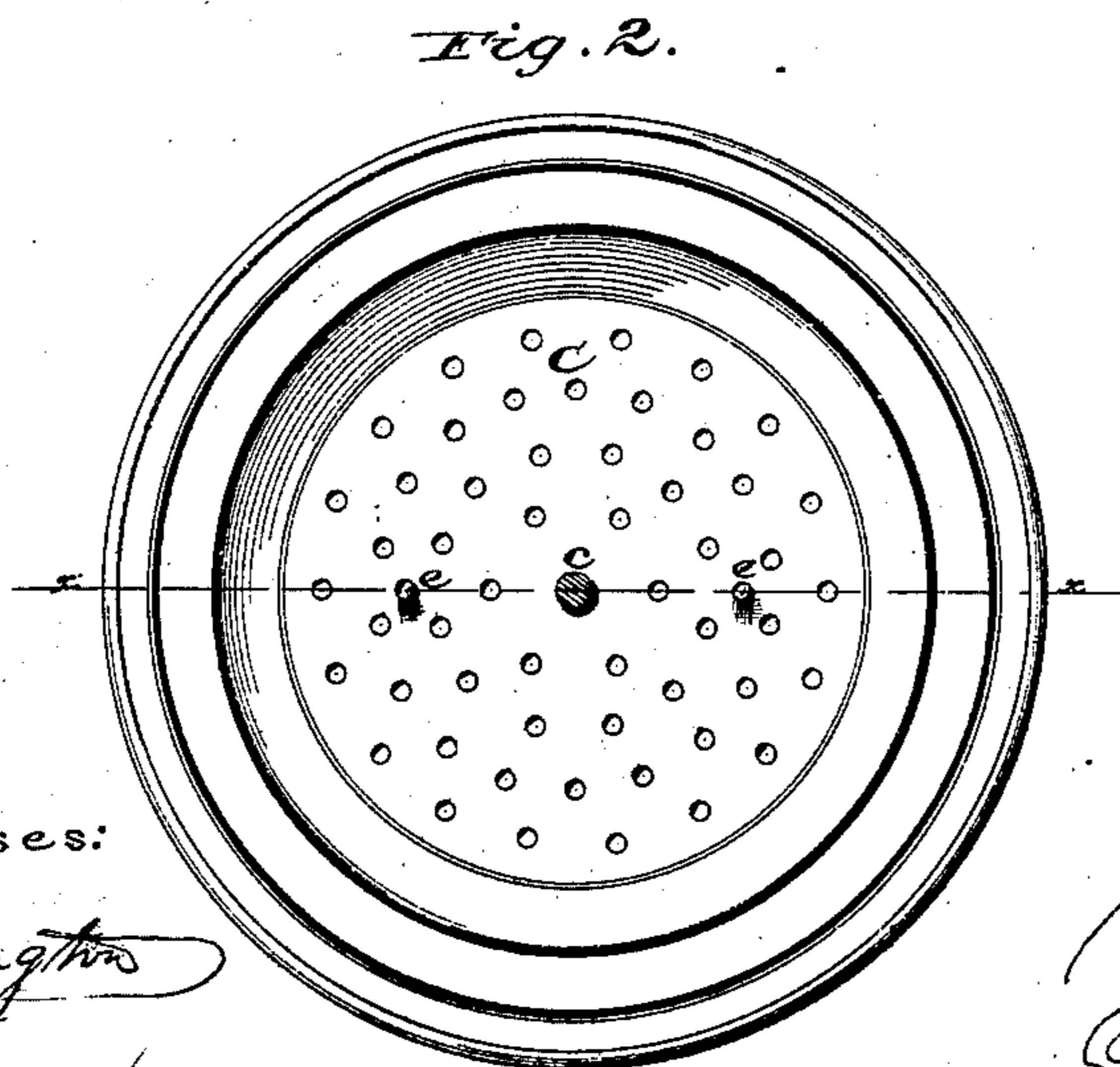
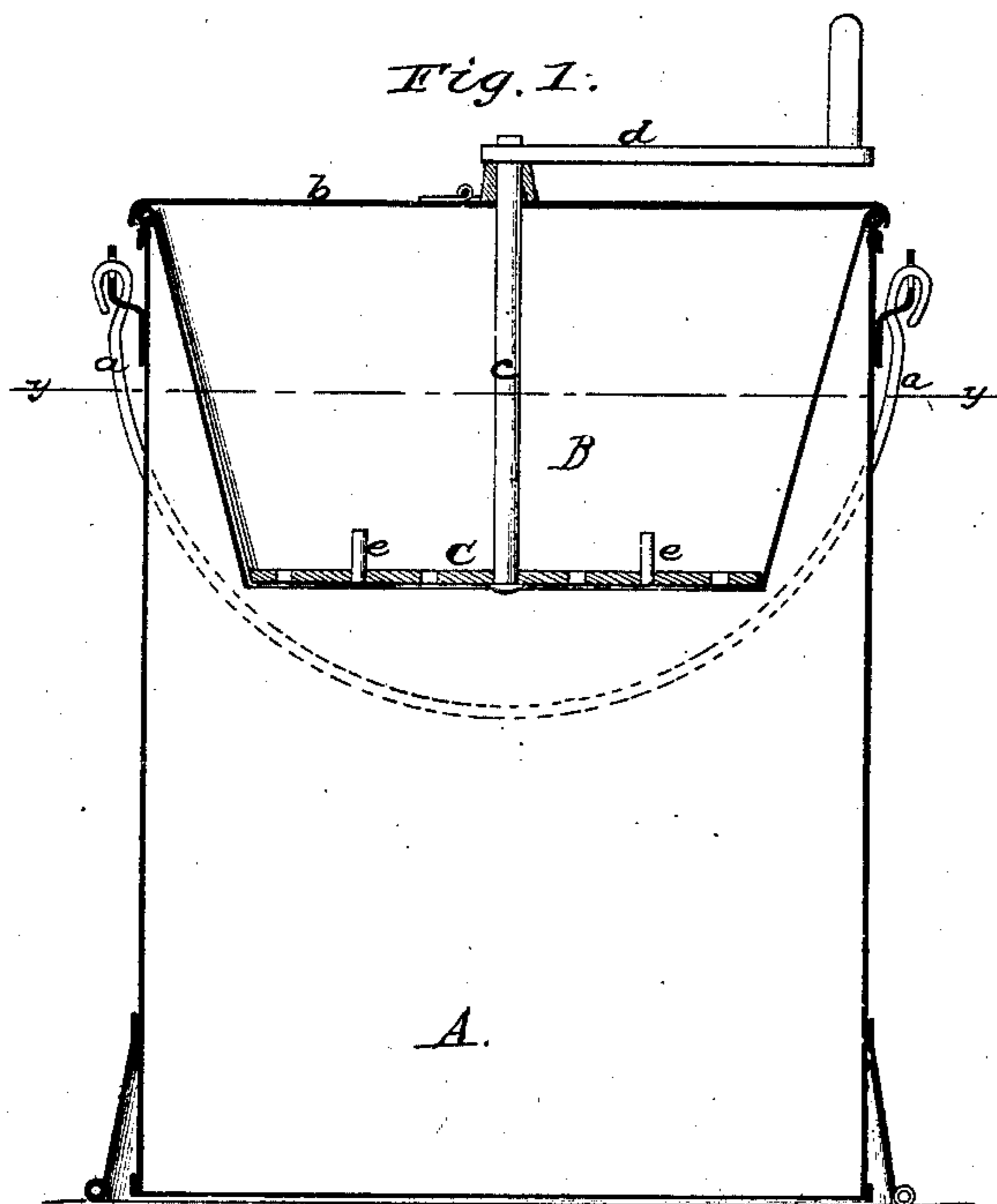


W. R. Evans,
Coal Screen.

N^o 57,492.

Patented Aug. 28, 1866.



Witnesses:
J. W. B. Conington
Wm. Greun.

Inventor:
Wm. R. Evans.
Per [Signature]
Attorney

UNITED STATES PATENT OFFICE.

WARREN R. EVANS, OF THOMASTON, MAINE.

COAL AND ASH SIFTER.

Specification forming part of Letters Patent No. 57,492, dated August 28, 1866.

To all whom it may concern:

Be it known that I, WARREN R. EVANS, of Thomaston, in the county of Knox and State of Maine, have invented a new and Improved Coal and Ash Sifter; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, in which—

Figure 1 is a longitudinal vertical section taken on the plane of the line *x x*, Fig. 2. Fig. 2 is a transverse section of the same, the plane of section being taken on the line *y y*, Fig. 1.

Similar letters of reference indicate like parts.

My invention consists in a novel arrangement of parts to constitute an ash-sifter, whereby I produce a simple and efficient device for sifting ashes and coal, which may be used without the liability of the ashes or coal-dust getting into the room where the article may be used or stifling the operator.

A designates a large vessel having a bail, *a*, by which it may be carried when desired, said vessel being provided with an ash-receiver having an open top.

B is an ash or coal receiver, which is fitted into the top of the vessel A in such manner that it will be supported in proper place, and at the same time fit snugly enough to prevent the ash or coal dust creeping up be-

tween it and the side of the vessel. This ash-receiver B tapers slightly from its mouth to its bottom, as shown in Fig. 1, and is provided with a cover, *b*, for confining the ashes or coal-dust while the operation of sifting is being proceeded with.

C is a perforated plate or sieve arranged in the bottom of the ash-receiver B, and hung upon a shaft, *c*, which proceeds up through the cover of the ash-receiver, and has upon its end a crank, *d*, by which to revolve it. Two or more pins, *e e*, rise up from the plate C, which pins serve the more effectually to agitate the ashes or coal being whirled round in the sifter.

This is a neat and convenient ash-sifter, and it can be carried from room to room in a house and used without the liability of the ash-dust getting into the room.

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

1. The combination of the ash-receiver B, with its perforated plate C, with the vessel A, substantially as specified.

2. In an ash-sifter constructed substantially as set forth, the pins *e e*, in combination with the plate C, substantially as and for the purpose specified.

WARREN R. EVANS.

Witnesses:

JOS. H. JACOBS,
ELWIN WALSH.