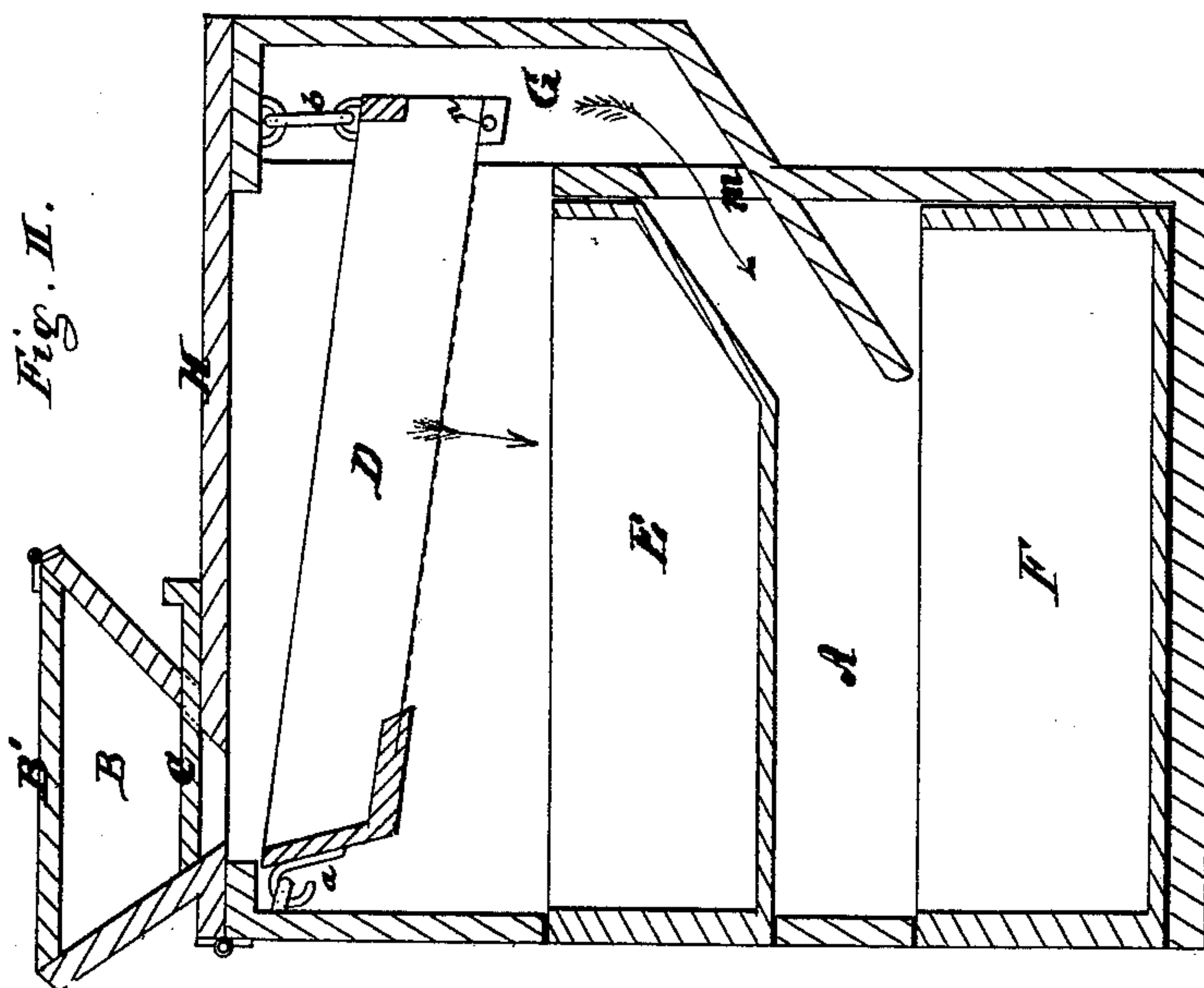
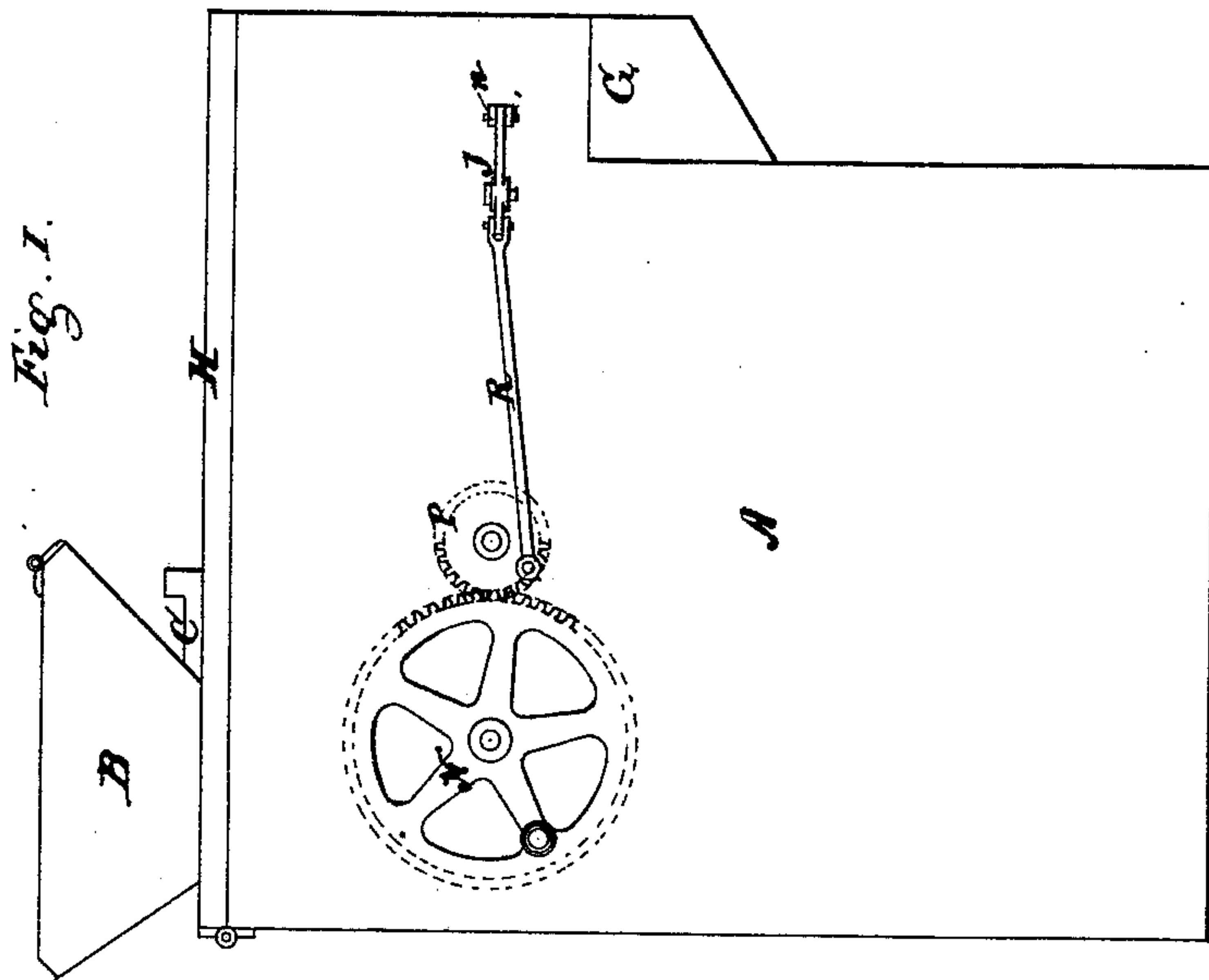


C. KERNER.  
Ash-Sifter.

No. 218,183.

Patented Aug. 5, 1879.



Witnesses.

Henry A. Van Buren

Edw. J. Gumb

Inventor.

Charles Kerner  
per Henry & Roder  
attorneys

# UNITED STATES PATENT OFFICE.

CHARLES KERNER, OF NEW YORK, N. Y.

## IMPROVEMENT IN ASH-SIFTERS.

Specification forming part of Letters Patent No. **218,183**, dated August 5, 1879; application filed May 29, 1879.

*To all whom it may concern:*

Be it known that I, CHARLES KERNER, of New York, in the State of New York, have invented a new and Improved Ash-Sifter, of which the following is a specification.

In the accompanying drawings, Figure I represents a side elevation, and Fig. II a cross-section of the same.

A is a box, made with an extension, G, at the end, in the upper part of the box, and an opening or passage-way, *m*, between an upper and lower drawer, E and F, said extension G covering the opening or passage-way *m*. This box is made tight and closed by a suitable cover, H, to prevent any escape of dust. In the upper part of this box a sieve, D, is arranged, suspended at one end by the hook *a*, and at the other end by links *b*, and made of such a length as to extend into the recess or extension G of the box A.

Below the sieve D a drawer, E, is placed into the box or case A, for the reception of the dust and ashes; and in the lower part of the box A, below the drawer E, a drawer, F, is arranged, for the reception of coals or cinders.

On the cover H a hopper, B, is attached, provided with a suitable slide, C, to regulate the passage of the coal and ashes. This hopper B is likewise closed by a suitable cover, B', to confine all dust in the box A.

On the side of the box A a bell-crank, J, is attached, to one end of which a rod, *n*, is at-

tached, passing into the box and connecting to the end of the sieve D. The other end of this bell-crank is connected, by means of the rod R, to a wheel, P, receiving its motion from a wheel, N, worked either by hand or by other power.

By the connection of the sieve with the rod *n*, and from the suspension of the sieve at its end by means of the links *b*, the required shaking motion is communicated to said sieve.

The ashes to be operated on are put into the hopper B, and fall upon the sieve D, when, assisted by the motion given to said sieve, the cinders and coal will slide down the sieve and fall off at its end into the elongation or extension G of the box A, and down the same behind the drawer E, through the opening *m*, into the lower drawer, F, while the fine ashes, which pass through the bottom of the sieve, will be collected in the upper drawer, E.

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

A box, A, having an extension, G, at its end, and an opening or passage-way, *m*, covered by said extension G, in combination with a movable sieve, D, and drawers E and F, placed one below the other, arranged to operate in the manner substantially as described.

CHARLES KERNER.

Witnesses:

HENRY E. ROEDER,  
S. A. EMANUEL.