

Ash-Sifters.

No. 150,252.

Patented April 28, 1874.

Fig. 1.

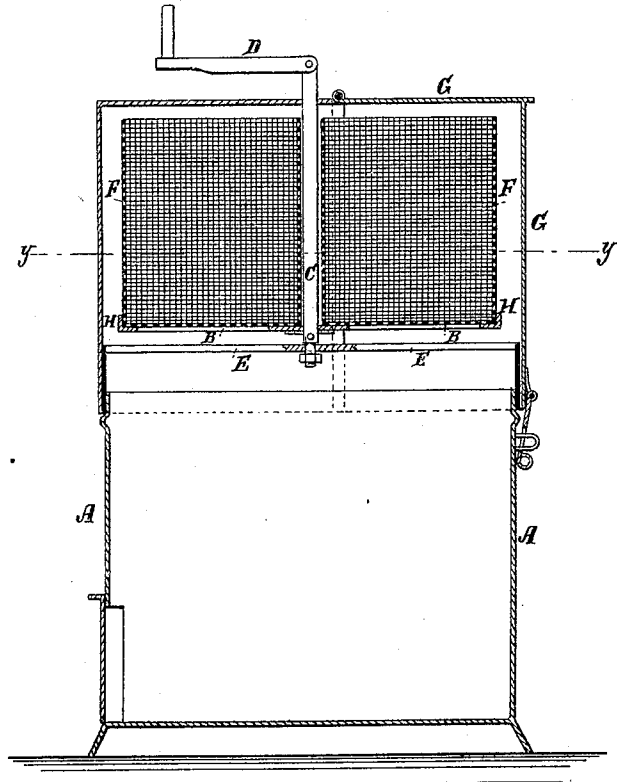
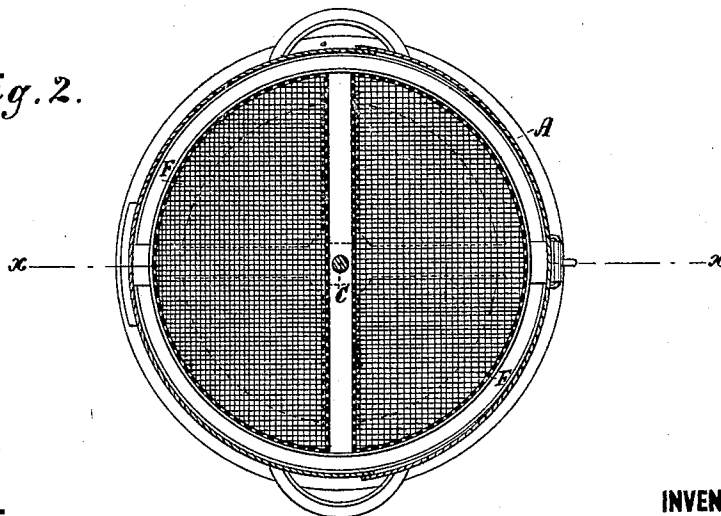


Fig. 2.



WITNESSES:

A Remembrance of.
Sudgwick

INVENTOR:

M. P. Nichols

BY



ATTORNEYS.

UNITED STATES PATENT OFFICE.

MARCUS P. NICHOLS, OF ST. PAUL, MINNESOTA.

IMPROVEMENT IN ASH-SIFTERS.

Specification forming part of Letters Patent No. **150,252**, dated April 28, 1874; application filed February 28, 1874.

To all whom it may concern:

Be it known that I, MARCUS P. NICHOLS, of St. Paul, Ramsey county, Minnesota, have invented a new and Improved Ash-Sifter, of which the following is a specification:

My invention is an improvement in ash-sifters of the class in which the ash-holder has a reticulated or sieve bottom, and is attached to and revolved on a vertical shaft or axis. The improvement consists in constructing the ash-pans, and the table on which they are set to be revolved, as hereinafter fully described.

Figure 1 is a sectional elevation of my improved ash-sifter, taken on the line *xx*, Fig. 2; and Fig. 2 is a horizontal section taken on the line *yy*, Fig. 1.

Similar letters of reference indicate corresponding parts.

A is the cylindrical case, of sheet metal; B, the horizontal rotary table; C, the shaft of said table; D, the hand-crank for turning the table; E, the bar for supporting the shaft; F, the reticulated ash-pans; G, the door of the case, for opening to put in and take out said pans; H, the flange on the table, for holding

the pans against slipping off by centrifugal force.

The pans containing the ashes are put on the table and rapidly revolved, and thereby the ashes are forced out at the sides and bottom, and fall into the space below to be removed from time to time.

The pans will, by preference, have studs on the bottom, to drop into holes in the table, as a further means to prevent them from being thrown off the table.

The table consists of a narrow ring, with suitable arms, making it as open as it can well be, to allow the ashes to escape.

What I claim is—

In combination with the revolving circular table D, constructed of a flanged ring supported by radial arms, the removable ash-pans F F, reticulated on the sides and bottom, as shown and described.

MARCUS P. NICHOLS.

Witnesses:

KATE W. NICHOLS.

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