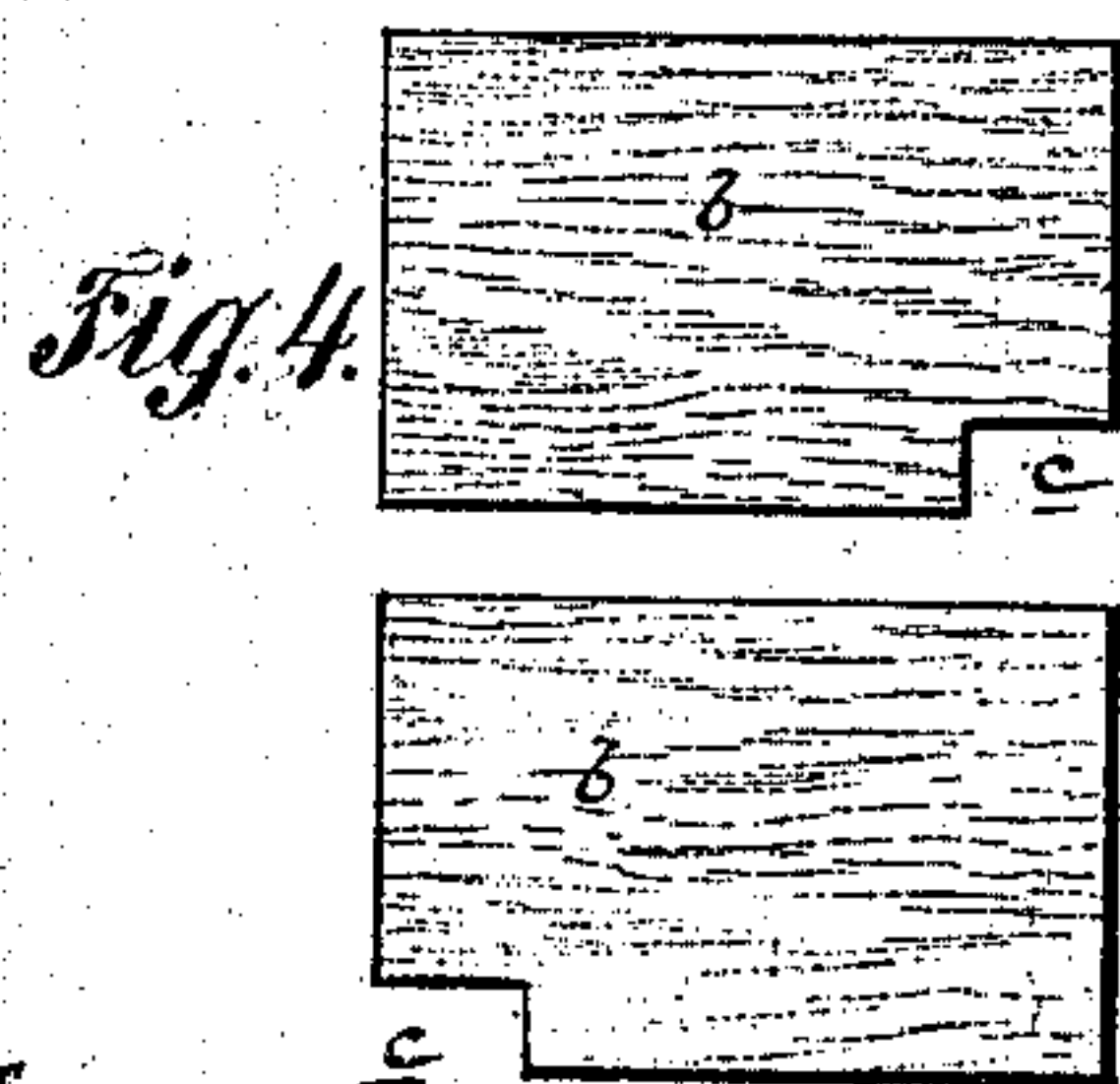
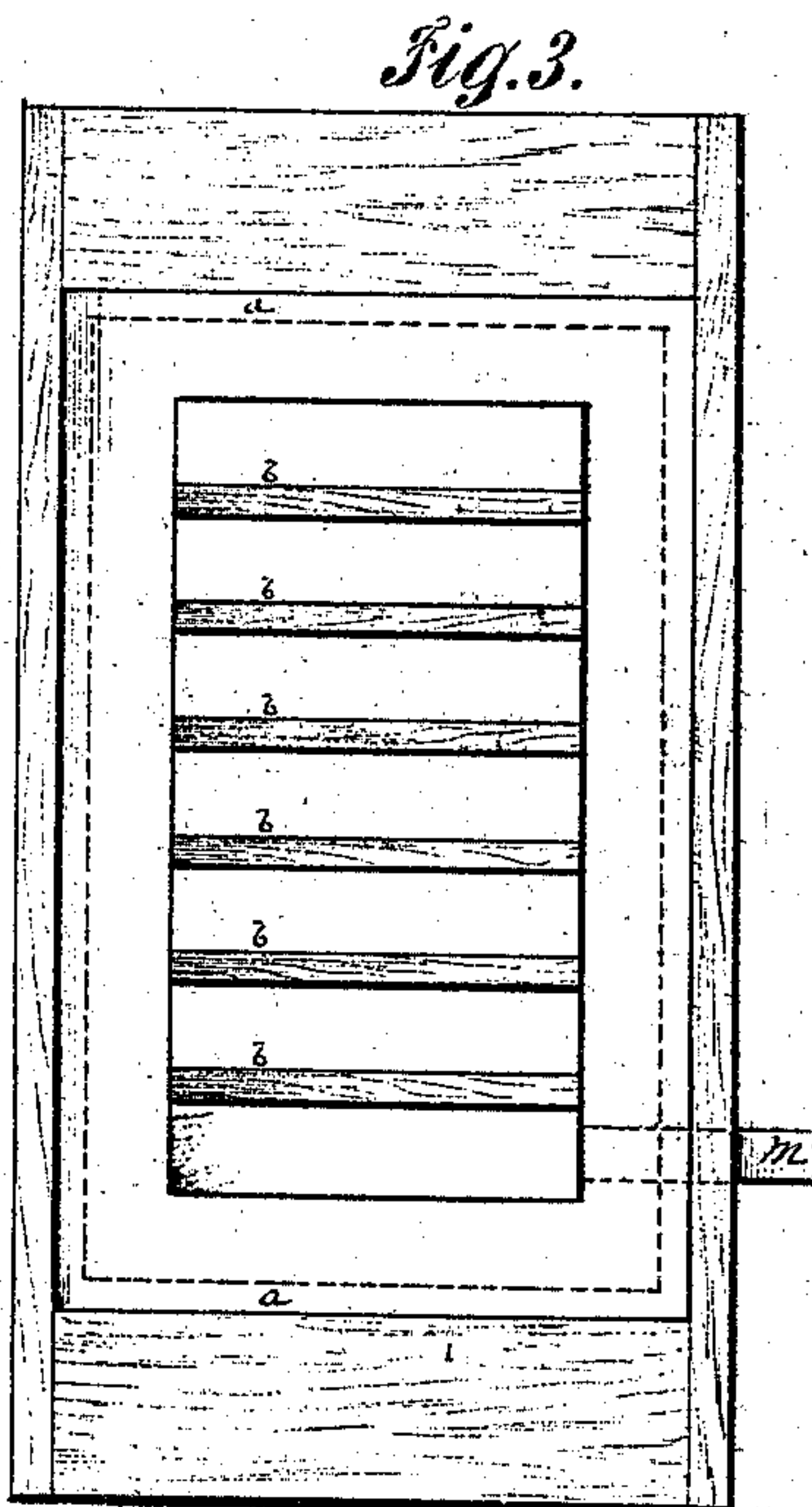
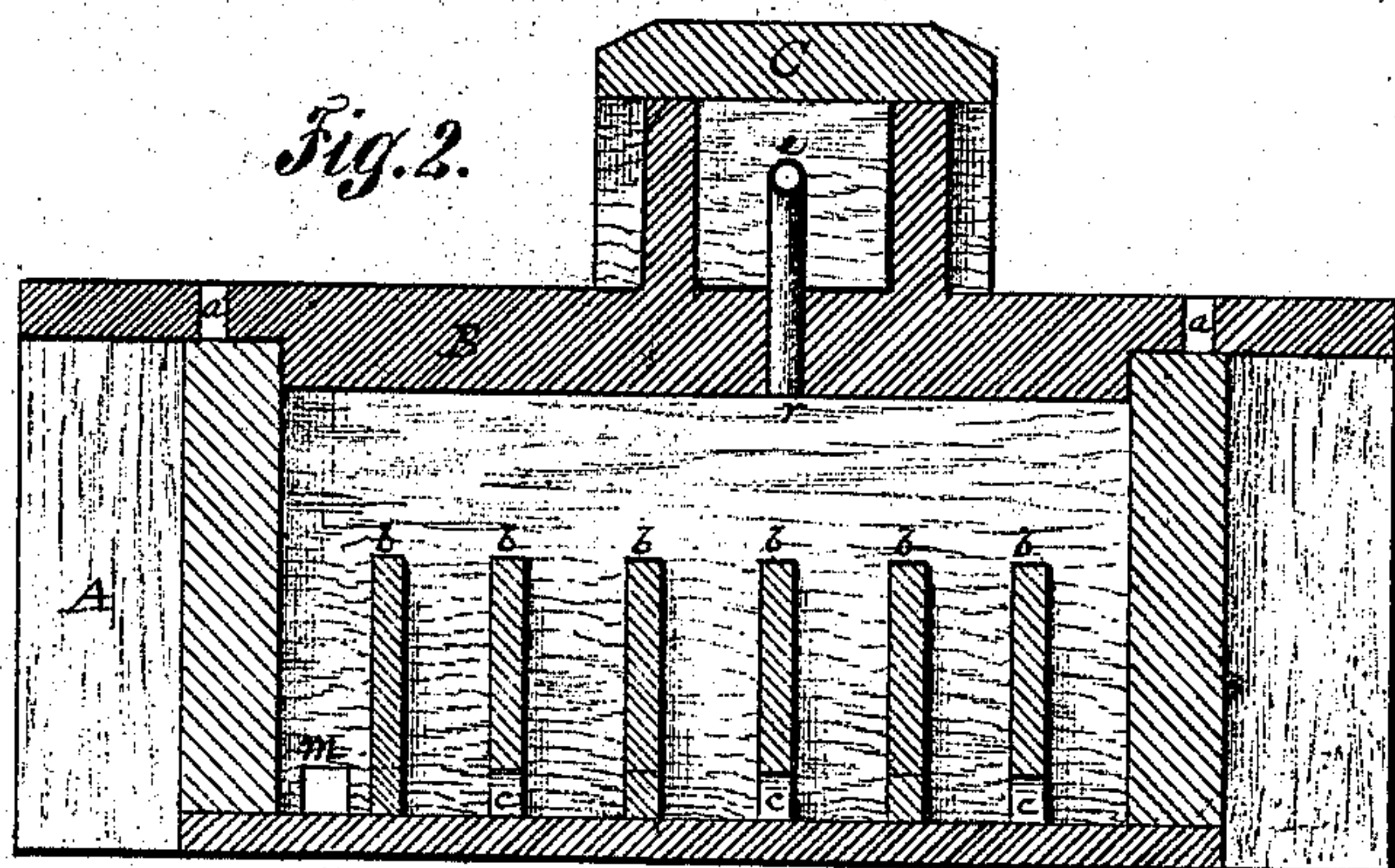
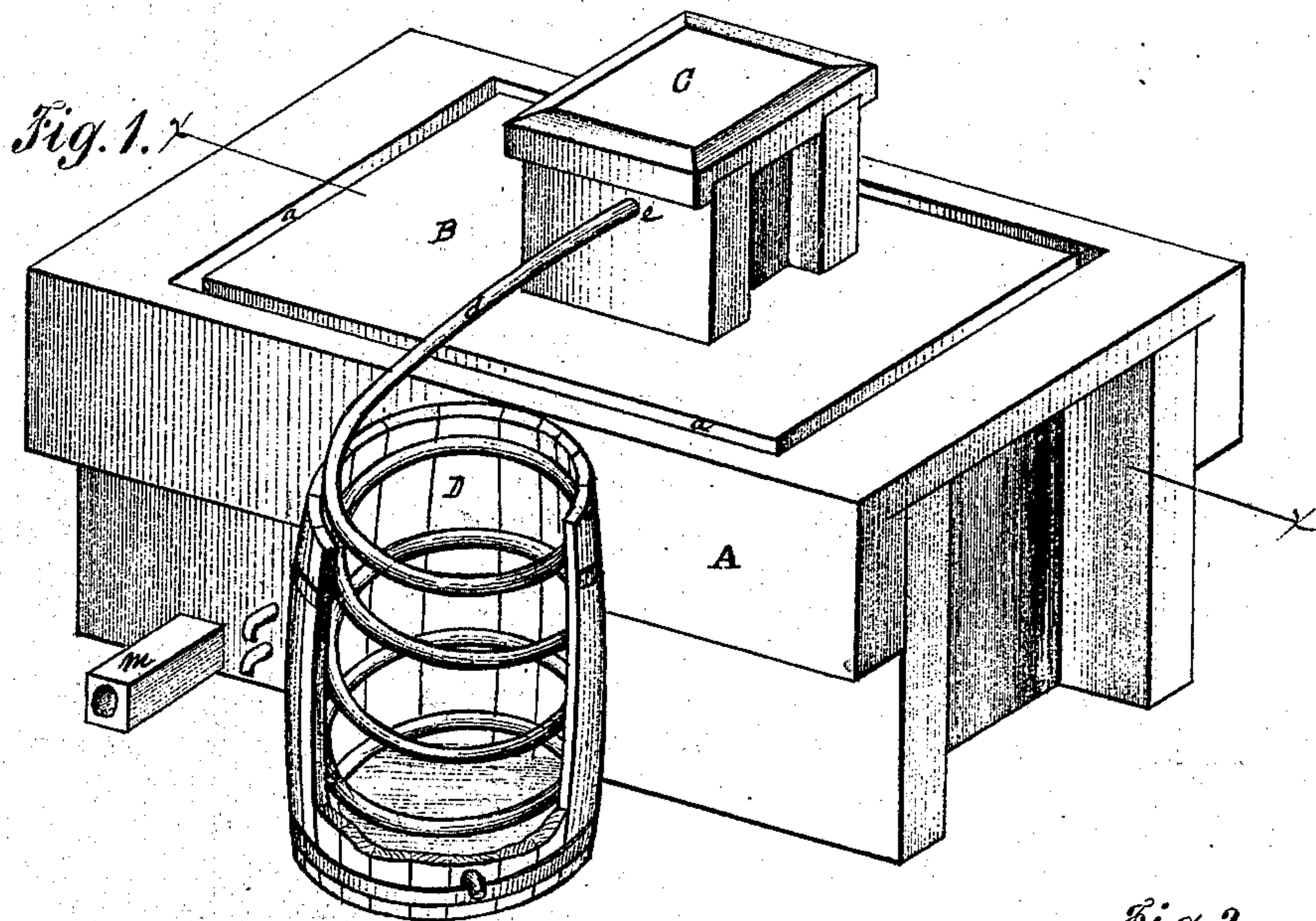


M. H. Powers,

Evaporator.

No. 104,351.

Patented June 14, 1870.



Witnesses:
Geo. A. Soto
Wm. M. Evans

Inventor:
Mark H. Powers
by his Attorneys
A. H. & R. H. Evans.

United States Patent Office.

MARK H. POWERS, OF PIKE COUNTY, INDIANA.

Letters Patent No. 104,351, dated June 14, 1870.

IMPROVED EVAPORATOR AND STILL.

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, MARK H. POWERS, a citizen of Pike county, Indiana, have invented a new and improved Evaporator and Still, combined, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing making a part of this specification, in which—

Figure I is a perspective view of my invention.

Figure II is a sectional view of the same through the line *x z*.

Figure III is a top or plan view with the cover removed.

Figure IV is a side view of a partition.

The object of my invention is to provide an easy and cheap means of utilizing that part of the juice of sorghum which is now lost in the manufacture of sorghum molasses by converting it into pure spirits clear of adulteration.

To enable others skilled in the art to make and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawing—

A represents the evaporating box; B, the cover for the same; and D, the still-cask; all in position.

The letter *a* shows the space between the cover B and the box A, which has to be filled with any proper material for rendering the box steam-tight.

In the evaporating box A are placed a succession

of partitions, *b b*, notched at one corner, as shown at *c* in Fig. IV.

The partitions are so arranged as to make these notches alternate first on one side and then on the other of the box A, and they are secured in position temporarily, so that they can be easily removed from the box, and thus enable the operator to make apple, peach, or sorghum brandy without further trouble.

C represents an escape-chest placed on the top of the cover B, through which the vapor passes at the point *e*.

D is the still-cask placed in any convenient position and connected to the evaporator by the worm *d*.

In Fig. II, the letter *r* shows the opening through the cover B to connect with the opening *e* in the escape-chest C.

m is an opening in the bottom of the opposite side of the box A for the discharge purposes.

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

An evaporator, constructed and arranged with a steam-tight cover, B, and removable partitions *b*, substantially as described.

MARK H. POWERS.

Witnesses:

J. HURT,

SAMUEL ^{his} X POWERS.
mark,