

R. Hermance,

Washing Machine.

No. 89,994.

Patented May 11, 1869.

Fig. 1.

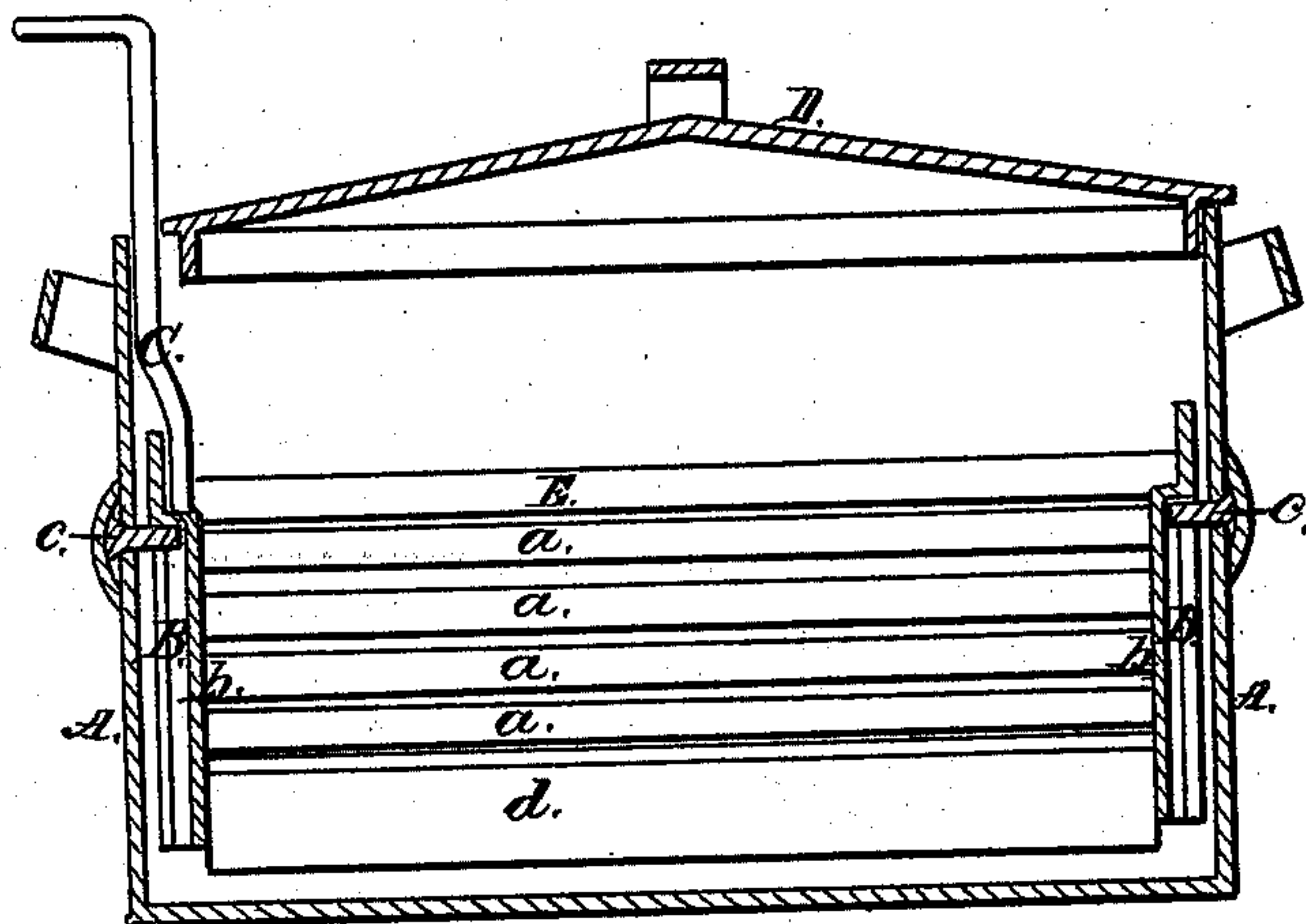
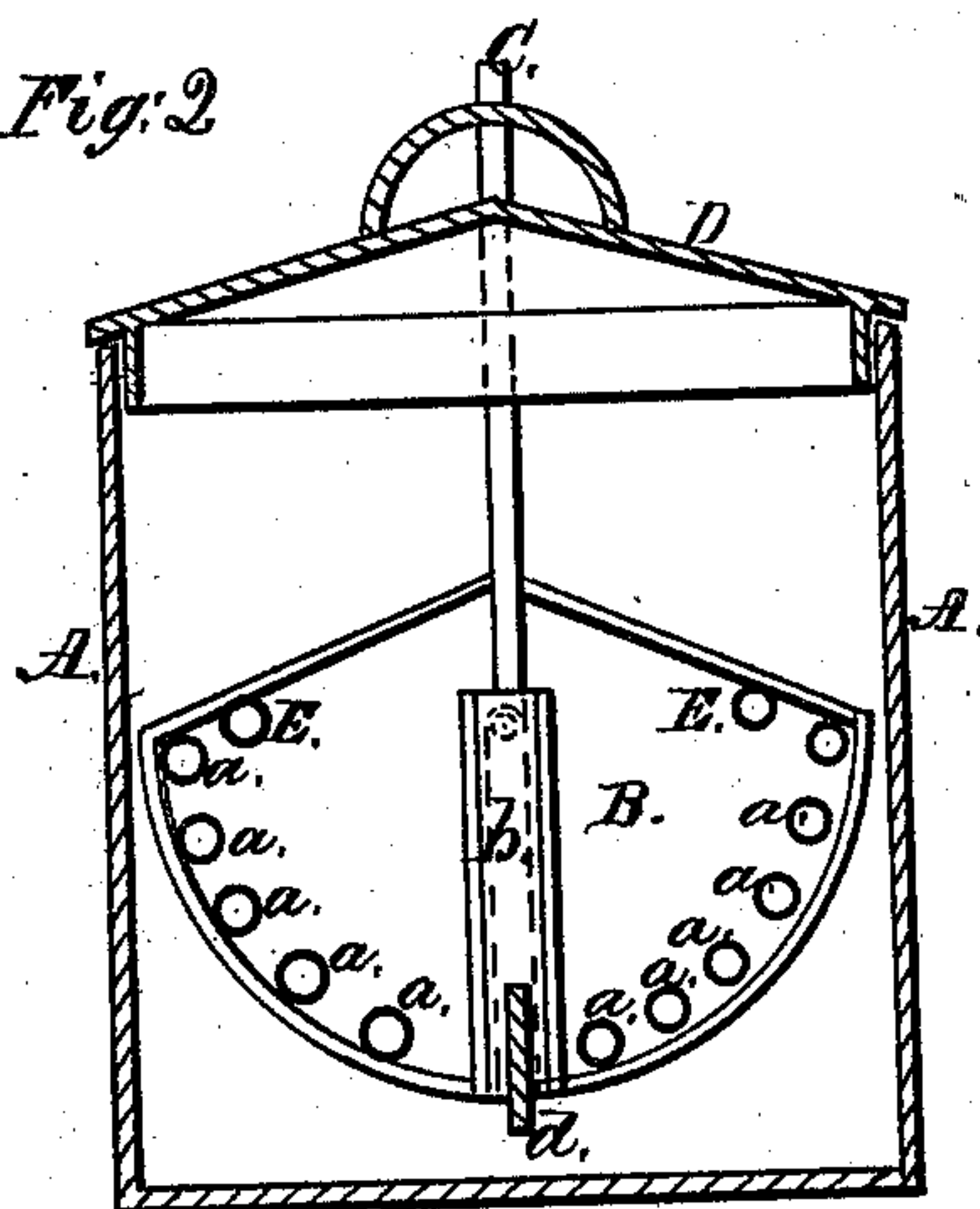


Fig. 2



Inventor.

Robert Hermance

per

Alexander Mason
Attys.

Witnesses.

Harry King
James Stoops.

UNITED STATES PATENT OFFICE.

ROBERT HERMANCE, OF SCHUYLERSVILLE, NEW YORK.

IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. 89,994, dated May 11, 1869.

To all whom it may concern:

Be it known that I, ROBERT HERMANCE, of Schuylersville, in the county of Saratoga, and in the State of New York, have invented certain new and useful Improvements in Washing-Machines; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the construction and arrangement of a washing-machine, in which even the finest fabrics may be washed without the slightest injury.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is a longitudinal vertical section, and Fig. 2 a cross-section.

A represents a washing-reservoir, of any suitable construction or material, inside of which is suspended a semicircular rack or agitator, consisting of two end pieces or end plates, B B, of semicircular form at the bottom, the upper side being formed of two inclined edges, higher in the center than at the ends, as seen at Fig. 2.

The end pieces B B are connected by a series of round bars, *a a*, placed at suitable distances from each other along the rounded edges of the end pieces. The end pieces B B are slotted from the bottom to the center of the circular portion, which slots are, however, on the inner side of the end pieces covered with a box-like projection, *b*, as seen in Fig. 1.

In the ends of the receptacle A pins *c c* are inserted, on which pins the end pieces B B are suspended, the said pins projecting through the slots, and their inner ends covered by the boxes *b b*, so as not to injure the clothes.

In the bottom of the rack or agitator thus formed is placed a plate or board, *d*, extending the whole distance between the end pieces and projecting both above and below the bars *a a*. On each side, at the top of the semicircle, is

another round bar, *e*, set in from the rest, as seen in Fig. 2.

The bars *a a* and *e* I have described as being round; but they may be made of any shape desired, in the form of slats or bars, and with the rest of the agitator be made either of wood or metal, or both.

From one of the end pieces B a lever or handle, C, extends upward above the upper edge of the receptacle, the lid D being, for that purpose, cut out or made shorter than the boiler, allowing the lever to be moved from side to side.

The articles to be washed are placed inside of the agitator, and the box or receptacle A is placed upon a stove or other place, and by means of the handle C the agitator is rocked backward and forward. The board *d*, projecting above the bars *a a*, keeps the clothes up from said bars, and the said board projecting below the bars increases the agitation.

The bars *e e*, set in from the rest, keep the clothes from falling out, and also increase the agitation.

In this manner the clothes are rapidly forced through the water, and the water through the clothes, and any fabric, however light and fragile, may be thoroughly washed and cleansed without the slightest injury to the same.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The board or strip *d*, extending from one end of the rack to the other, and made to project below the bars *a*, when used in the manner and for the purpose set forth.

2. In combination with the board *d*, the semicircular end pieces B, boxes *b b*, bars *a* and *e*; and handle C, when used in the manner and connection as set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 9th day of February, 1869.

ROBERT HERMANCE. [L. S.]

Witnesses:

W. W. D. JEFFERS,
C. W. HERMANCE.