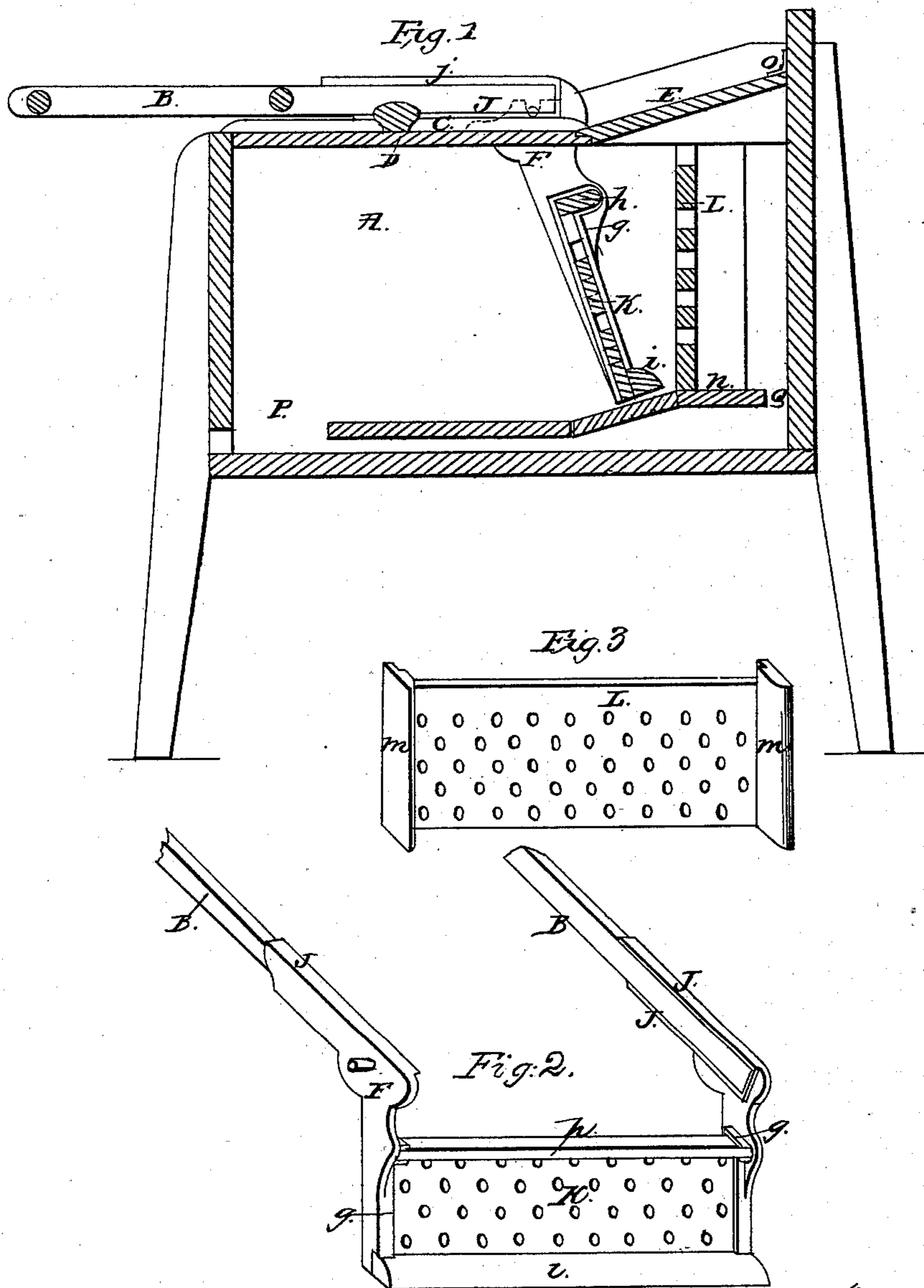


A. T. Williamson,
Washing Machine,
N^o 68,676. *Patented Sep. 10, 1867.*



Witnesses:
James L. Malben
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United States Patent Office.

A. T. WILLIAMSON, OF LA CROSSE, WISCONSIN.

Letters Patent No. 68,676, dated September 10, 1867.

IMPROVED WASHING MACHINE.

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, A. T. WILLIAMSON, of La Crosse, in the county of La Crosse, and State of Wisconsin, have invented an Improved Washing Machine; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings and letters marked thereon, making a part of this description, in which—

Figure 1 is a longitudinal sectional elevation of my invention.

Figure 2, a perspective representation of the arms or elbows of the lever, together with the washer to which they are attached.

Figure 3, a perspective view of the movable wash-board.

The nature of my invention consists in the use of sleeve-elbows for connecting the levers with the movable washer, arranged with a recessed face, and perforated with a series of holes, in order to let the water pressed through the clothes pass out into the washing-box freely; and in the use of a back-board, which is also perforated and arranged with wings, so that the dirty water may pass through, and also that the clothes may be held in a suitable position for washing; and further, in providing a half lid for covering the wash-boards when desired, and leave the balance of the washing-box open for the purpose of sudsing, &c., which is necessary in the process of washing. The means of joining the lids together is also new, consisting in rabbeting their edges and holding them in place by means of the battens which strengthen the wider lid.

To enable others skilled in the art to make and use my invention, I have marked corresponding parts with similar letters, and will now give a detailed description.

A represents a common washing-box, to which my device is applied. A false bottom, *n*, is fitted in box A, and made to support a back-board, L, figs. 1 and 3, having wings, *m*, attached to its ends for the purpose of giving it strength, holding it in position, and preventing clothes from getting into the angles of the box A, where they could not be properly washed. The board has also a series of holes made through it for the purpose of allowing water forced through the clothes to pass into the space between said board and the end of box A, from whence it can return into space P, at the rear of the washer K, by means of an opening, Q. The sleeve-elbow F has a peculiar construction, as seen at figs. 1 and 2, and is made to support the levers B and washer *i k h*, and in order to secure them firmly in place, I make a recess in the upper parts, *j*, of sufficient depth to receive said levers B and bolt them fast, and also make recesses in the shanks *g*, to conform to the shape of the washer, and insert its ends in said recesses with a little force, and then prevent the shanks from becoming detached, by the use of screws or otherwise, as most convenient. That part of the washer shown at K is recessed back far enough to form a shoe, *i*, for gathering the clothes from the bottom of the box, or part *n*, and also to form a stop-board, *h*, for preventing clothes from falling over back of the washer K before the dirt is removed. A small lid, E, is hinged to box A, and rabbeted so as to fit the movable lid D and pass under battens C secured to said lid. This arrangement is very simple and convenient, and permits the machine to be used with closed lids or open, as desired.

Operation.

The box A can be filled as usual with suds, and the clothes put between the washer *i k h* and the back L, after which the levers B can be worked up and down, which will produce the required friction and pressure to wash clothes in a short time and in a neat manner, the dirty water or suds passing through the perforations in parts K L, carrying the dirt to the bottom of the box.

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

1. The combination of the sleeve-elbows F, having recesses conforming to the shape of levers B and washer *i k h*, arranged substantially as and for the purpose set forth.
2. The combination of back-board L, having wings *m*, in combination with the recessed washer *i k h*, sleeve-elbows F, levers B, and the double lids E D, arranged substantially as and for the purpose set forth.

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Witnesses:

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