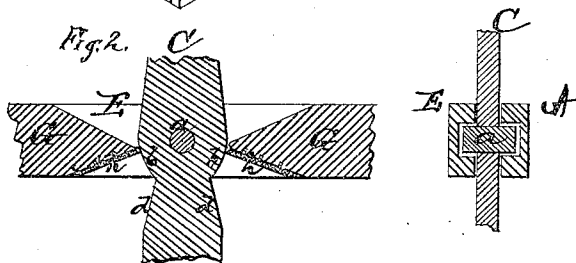
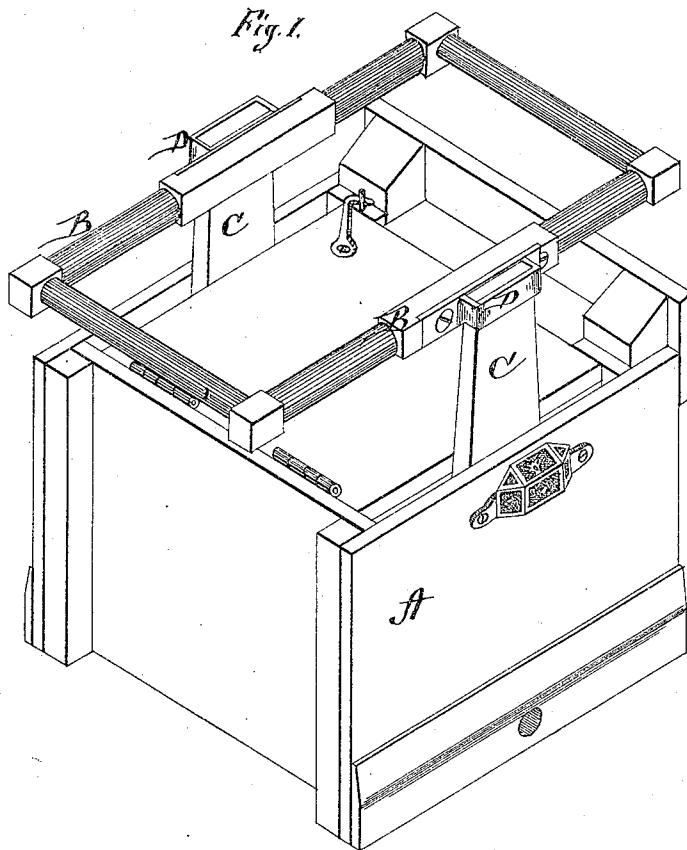


A. BROWN.

Improvement in Washing-Machines.

No. 133,078.

Patented Nov. 19, 1872.



Witnesses:

W. D. Newman
A. L. Evert

Inventor.

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per Charles Thomas

Attorneys.

UNITED STATES PATENT OFFICE.

ANDERSON BROWN, OF BLOOMINGTON, ILLINOIS.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 133,078, dated November 19, 1872.

To all whom it may concern:

Be it known that I, ANDERSON BROWN, of Bloomington, in the county of McLean and in the State of Illinois, 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 drawing and to the letters of reference marked thereon making a part of this specification.

My present invention is intended as an improvement upon the washing-machine for which Letters Patent were granted to me May 14, 1872; and it consists in the construction and arrangement of the arms of the washing-machine with the pivots on which they turn and the device for preventing the water in the machine from getting out of the box.

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 drawing, in which—

Figure 1 is a perspective view of my entire washing-machine, and Fig. 2 represents a portion of one of the arms with my improvements attached thereto.

A represents the washing-machine box; C C, the pivoted arms in the same; and B, the handle-frame. To each side of the frame B is secured a cast-iron loop, D, which fits over the upper end of the arm C. These loops, in a full-sized machine, will weigh about one and a quarter pound each, and their weight will assist in doing the work. The loops are each made of a plate the same width as the handle-frame, with a flange along the lower edge which extends under the frame. This plate is secured to the frame by a screw at each end, and from

the face of the plate projects the socket or loop proper which is to fit over the end of the arm C, the whole device being cast in one piece, as mentioned. Each arm C is pivoted between the side of the box A and a bar, E, attached on the inside thereof, by means of a pivot, *a*, passing through said arm, and the ends of which are placed in recesses formed in said bar and in the side of the box, as shown in Fig. 2. Below the pivot *a* the edges of the arm C are curved on a circle having the pivot as a center, and from the inner lower ends of said curves *b b* are inclines *d d* running downward to the edges, as shown. Between the side of the box and the bar E, on each side of the arm C, is inserted a bar, G, the inner end of which is V-shaped and comes close up to the curve *b* on the arm. The under side of this V-shaped portion is provided with a strip, *h*, of rubber or leather or other suitable material, which bears against the curve *b*. This device prevents the water from splashing up along the edges of the arms.

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

The arms or levers C C, provided with curves *b b*, and working in boxes, constructed as described, in combination with the pointed pieces G G provided with packing-strips *h h*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of June, 1872.

ANDERSON BROWN.

Witnesses:

THOS. SLADE,
McCANN DUNN.