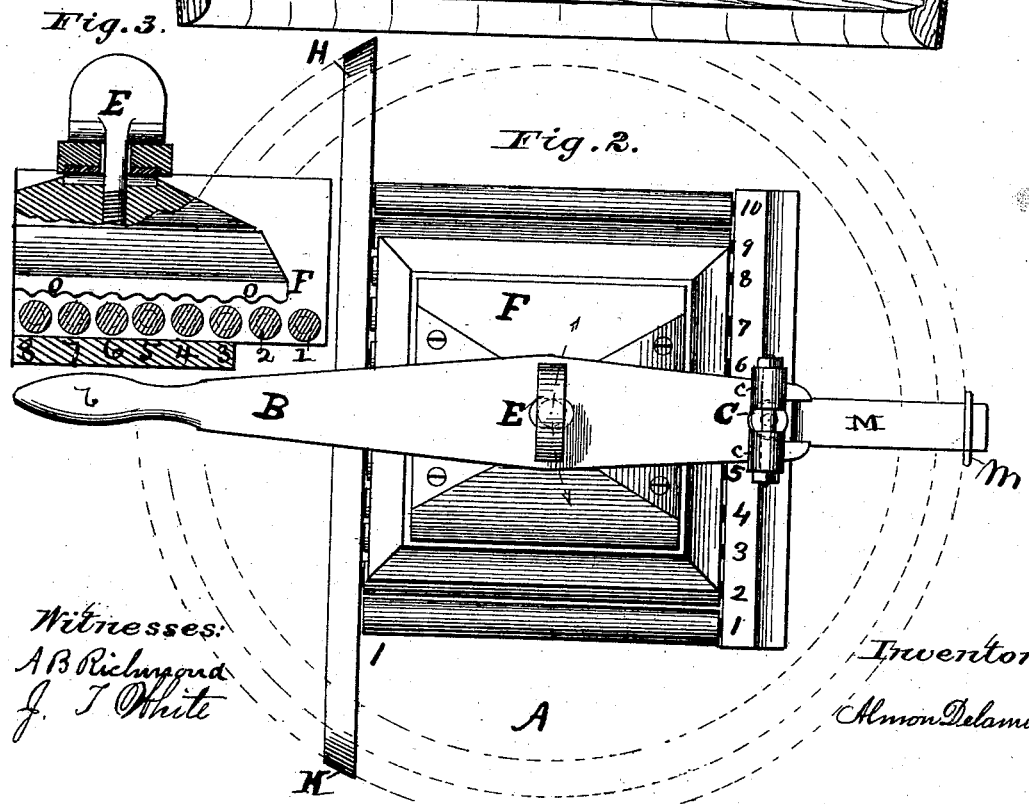
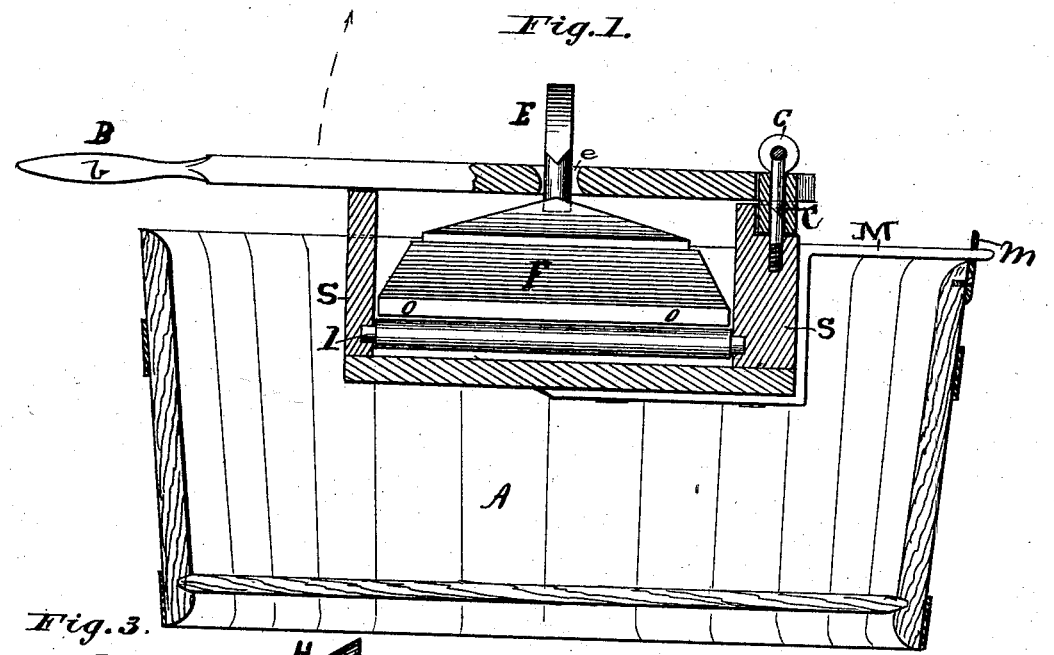


A. DELAMATER.
Washing-Machine.

No. 168,885.

Patented Oct. 19, 1875.



Witnesses:
A. B. Richardson
J. T. White

Inventor:
Almon Delamater

UNITED STATES PATENT OFFICE.

ALMON DELAMATER, OF TOWNVILLE, PENNSYLVANIA.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 168,885, dated October 19, 1875; application filed July 6, 1875.

To all whom it may concern:

Be it known that I, ALMON DELAMATER, of Townville, in the county of Crawford and State of Pennsylvania, have invented a Washing-Machine, of which the following is a specification:

My invention relates to that class of washing-machines which may be conveniently attached to any of the common forms of wash-tubs; and the invention consists in certain new and improved combinations of devices, all as hereinafter more fully set forth.

In the accompanying drawings, Figure 1 is a vertical sectional view of a wash-tub with my improved washing-machine in position for operation. Fig. 2 is a plan or top view of same; and Fig. 3 is an end view of my machine, partly in section.

Referring to the parts by letters, A represents a wash-tub of ordinary construction, on the upper edge or rim of which the washing-machine is supported, so that it operates partly within the tub. M is a metal frame or bar, the end of which is secured to the edge of the tub by a pivoted staple, *m*, so that the frame of the machine may be conveniently placed within or removed from the tub, as desired. S is the frame of the machine, which is secured to and supported by the bar M, and one side, H, is extended, so that its ends rest on the rim of the tub. A series of rollers (represented by the figures 1 to 10) are journaled between the sides of the frame S. F represents a rectangular rubber, the under side of which is corrugated or fluted, as shown at letters *o o*, Fig. 3. E is a post or upright, which projects from the center of the upper side of the rubber block, and C is a post or upright projecting upwardly from one side of the frame S. On the upper end of this upright C are two rollers, *c c*, journaled on a horizontal spindle or portion of the upright. B is a lever, provided with a handle, *b*, at one

end. Its other end is bifurcated, and its central portion is cut with an elliptical slot, *e*, through which the circular post or upright E of the rubber block F passes. The bifurcated ends of the lever embrace the upright C, so as to act as a pivot for the lever.

The upright E I prefer to make in the form of a thumb-screw, as clearly shown in Fig. 3 of the drawing, as the rubber block may then be readily detached from the lever B, when desired.

The operation of the machine is as follows: The machine being secured in position, as shown, the clothes to be cleansed are placed between the rollers and the under side of the rubber block, the latter being raised by the handle *b* for that purpose. A rapid lateral reciprocating motion is then given to the rubber block by means of the handle *b* of the lever B, which effectually cleanses the clothes.

It will be seen that the block is free to accommodate its position to the quantity or thickness of the clothes between it and the rollers, so that no injury by excessive friction or pressure will result, as is frequently done when the rubber block is held in position with springs or other mechanical devices.

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

1. The frame S, having ends H and the bar M, in combination with the pivoted staple *m* and a tub, A, substantially as and for the purpose specified.

2. The frame S, having rollers, as described, in combination with the rubber block F, pivot-bolt E, and lever, all constructed and arranged to operate substantially as and for the purpose specified.

ALMON DELAMATER.

Witnesses:

A. B. RICHMOND,
J. T. WHITE.