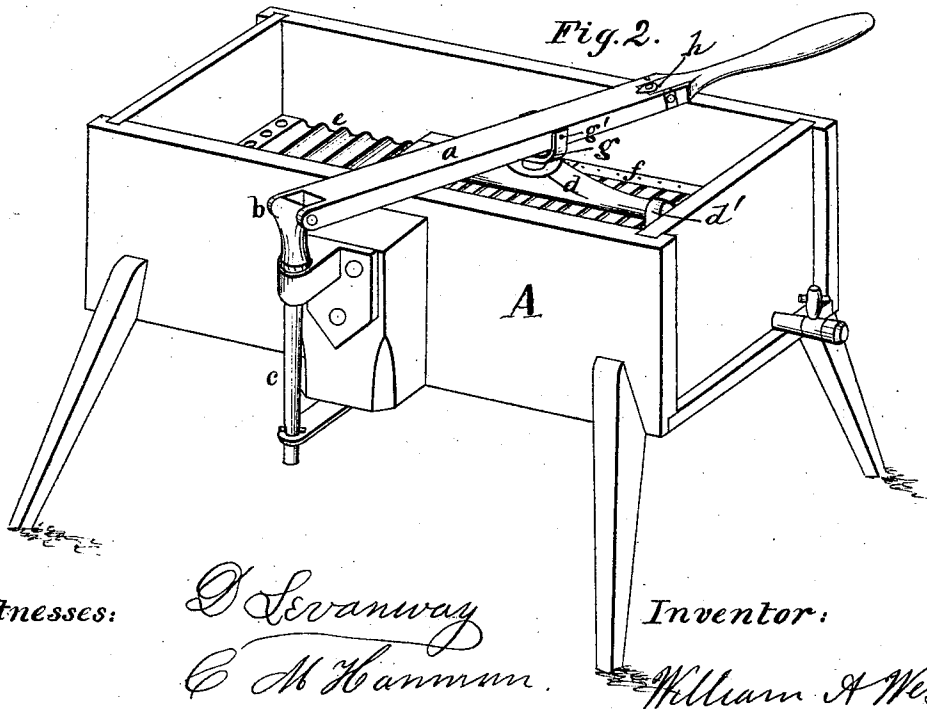
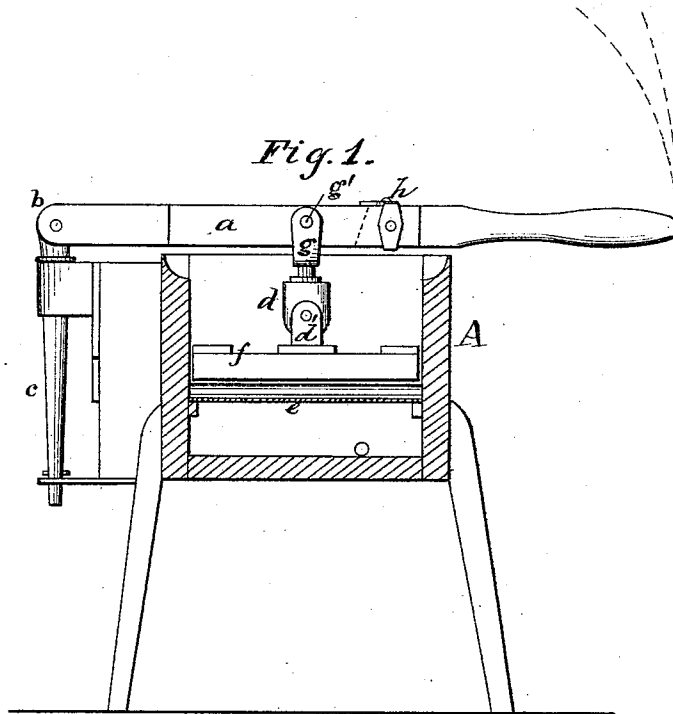


W. A. WEST.
 WASHING-MACHINE.

No. 178,572.

Patented June 13, 1876.



Witnesses:

D. Levanway
 C. M. Hannan.

Inventor:

William A. West.

UNITED STATES PATENT OFFICE.

WILLIAM A. WEST, OF MAGNOLIA, ILLINOIS.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **178,572**, dated June 13, 1876; application filed March 18, 1876.

To all whom it may concern:

Be it known that I, WILLIAM A. WEST, of Magnolia, in the county of Putnam, and State of Illinois, have invented a certain Improvement in Washing-Machines, of which the following is a specification:

This invention relates to that class of washing-machines in which a reciprocating rubber operated by a hand-lever is used to wash the clothes or fabric upon a corrugated surface or wash-board in the suds-box.

My improvement consists of a novel manner of connecting the rubber and the hand-lever, so that the rubber, while permanently connected to the hand-lever, may readily accommodate itself to the work to bear with equal force upon it at all points and under all circumstances.

In the annexed drawings, Figure 1 is a transverse section of my improved washing-machine. Fig. 2 is a perspective view thereof.

The same letters of reference are used in both figures in the designation of identical parts.

A refers to the suds-box, made of rectangular form, and supported on legs to raise it to a convenient height. The corrugated wash-board *c* rests upon cleats in the suds-box, forming, as it were, a false bottom, with perforations at each end for communication with the space underneath it. The wash-board rests loosely on the cleats, so that it may be placed in an inclined position in the suds-box and used as an ordinary wash-board in case portions of the clothes require hand-washing. The rubber *f* consists of a series of parallel V-shaped bars united together upon their upper flat side. A cross-head, *d*, is pivoted upon the top of the rubber, turning in bearings *d'* at

the ends thereof. This cross-head is, at its midlength, provided with a vertical aperture to receive the shank of a swivel, *g*, the fork of which embraces the hand-lever *a*, which is pivoted to the fork of the swivel by the horizontal pintle *g'*. The hand-lever *a*, extending transversely across the center of the suds-box, is, at one end, pivoted by a transverse horizontal pintle to the T-head *b* of the spindle *e*, mounted in bearings of a bracket secured to the suds-box.

It will be observed that the manner of connecting the hand-lever and the rubber permits the latter to adjust itself freely for the purposes already stated. The hand-lever is, in this instance, jointed at *h*, so that it may be folded.

The rubber is operated by a horizontal oscillation of the hand-lever, and may be readily lifted out of the suds-box when occasion requires it by turning the hand-lever up into a vertical position.

The wash-board *f* should be raised so high that the rubbing of the clothes may take place at about the surface of the water in the box.

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

The combination, substantially as specified, of the rubber, the hand-lever, and the intermediate cross-head *d* and swivel *g*, connected and operating as stated.

WILLIAM A. WEST.

Witnesses:

D. LEVANWAY,
C. M. HANNUM,
HENRY J. SWINDLER,
JOSIAH SPENCER.