J. A. WOOD.

Improvement in Washing-Machines.

No. 114,380. Patented May 2, 1871.

fig: 1

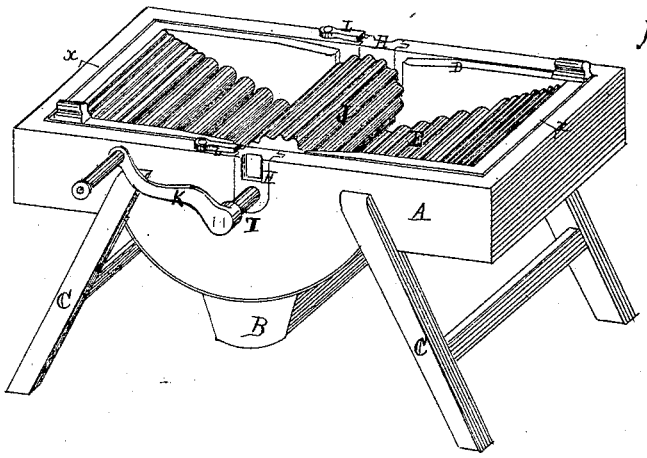


fig: 4

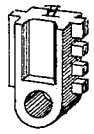


fig: 2

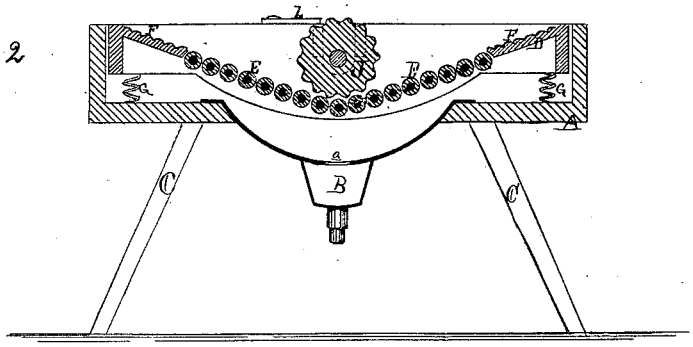
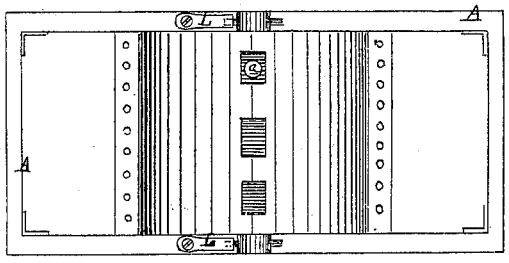


fig: 3



Witnesses:
Harry S. Sprague
W. S. Rogers

Inventor:
Jacob A. Wood
By his Attorneys
Sprague & Sprague

United States Patent Office.

JACOB A. WOOD, OF CHEMUNG, ILLINOIS.

Letters Patent No. 114,380, dated May 2, 1871.

IMPROVEMENT IN WASHING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, JACOB A. WOOD, of Chemung, in the county of McHenry and State of Illinois, have invented a new and useful Improvement in Washing-Machines; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon and being a part of this specification, in which—

Figure 1 is a perspective view of my machine.

Figure 2 is a longitudinal section on the line *x x*, fig. 1.

Figure 3 is a top elevation, with the cylinder and concave wash-board removed.

Figure 4 is a perspective view of the journal-box.

Like letters refer to like parts in each figure.

The nature of this invention relates to an improved construction of washing-machines; and

It consists in a sediment-tank secured to the under side of the main box and combined with it, and in the combination of peculiar vertically-adjustable journal-boxes with the shaft of the main cylinder, all as more fully hereinafter described.

In the drawing—

A represents my wash-box, the bottom of which is semi-cylindrical and is mounted upon legs C.

To the bottom of this box is rigidly secured a water-tight tank, B, which catches the sediment that may accumulate in a washing, said sediment passing through the openings *a* in the bottom of the box to the tank. This tank is provided with an escape-pipe, through which the sediment and water can be drawn off.

D is a frame-work fitting snugly into the box A.

Between the sides of this frame are journaled the rollers E, forming a concave wash-board.

F are corrugated rub-boards, placed in the two ends of this frame, occupying the space not taken up by the rollers.

Pendent from the four corners of the frame D are spiral springs G, the lower ends of which rest upon the plane portion of the box A, as shown, and for the purpose hereinafter specified.

H are boxes rabbeted into and sliding vertically in the sides of the box A, and in which is journaled the shaft I, which carries a corrugated roller, J.

One end of this shaft projects beyond the side of the box, upon which is placed a crank, K, with which to operate the roller.

The boxes H, it will be seen, are of peculiar construction, being provided with ribs upon either side, which fit into corresponding grooves in the sides of the box A.

These ribs are slotted upon one side, as shown in fig. 4. With these slots the dogs L, pivoted upon the edges of the box, engage.

A sufficient quantity of water is placed in the box A so that it partially submerges the rollers E. The material to be operated upon is then introduced between the roller J and the rollers E, and an oscillating motion given to the cylinder by means of the crank.

In common washing the springs G serve to keep the rollers E to their work, their pressure varying with the thickness of the article being washed.

In case very heavy or thick articles are to be washed the cylinder and box should be raised to the desired height from the rollers, they being held in such position by the engagement of the dogs L with one of the slots on the sides of the journal-boxes H, shown in fig. 4, the operation of washing being the same as above described.

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

1. The tank B, constructed substantially as described and shown, in combination with the box A, when arranged and operated as and for the purposes set forth.

2. The vertically-adjustable journal-boxes H, constructed substantially as described and shown, in combination with the box A and shaft I, when arranged and operated as and for the purposes set forth.

JACOB A. WOOD.

Witnesses:

HARRY S. SPRAGUE,

W. S. ROGERS.