J. Johnson,

Washing Machine,

No. 48,071. Patented June 6, 1865.

Fig: 1.

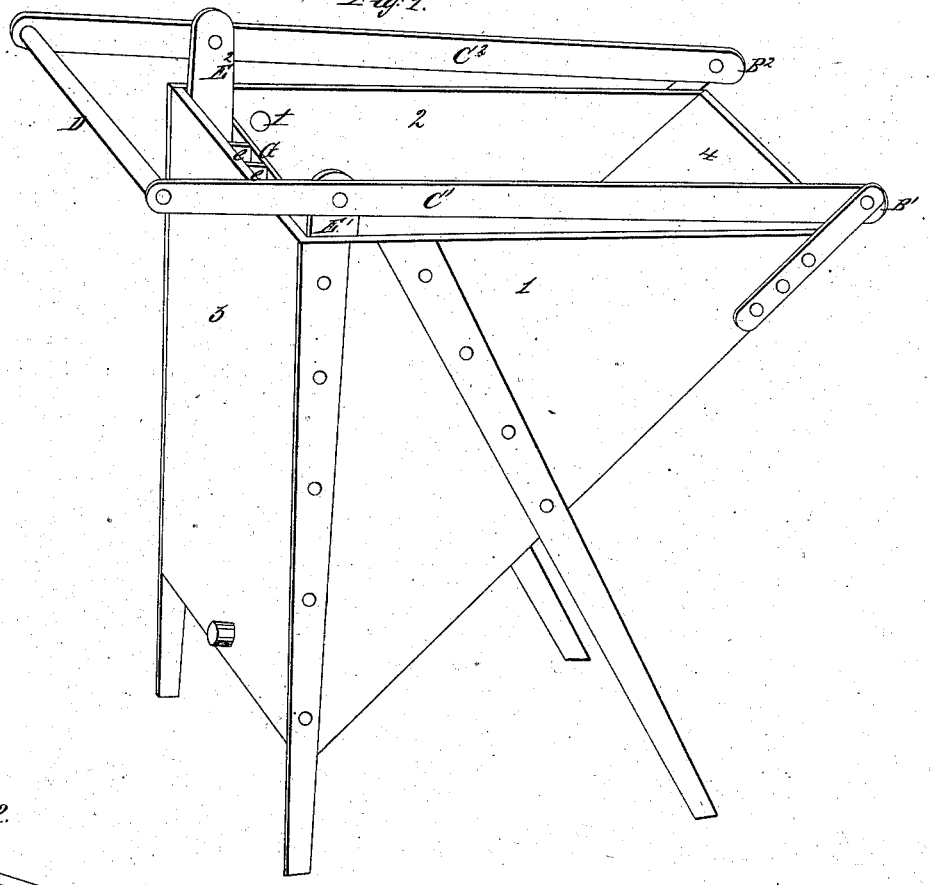


Fig: 2.

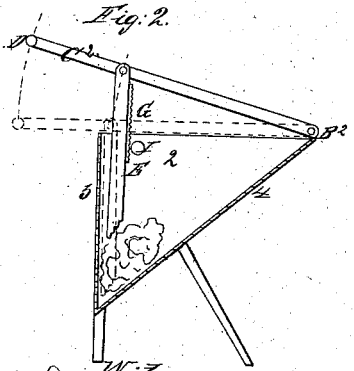
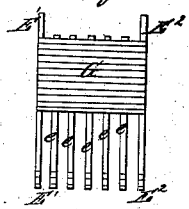


Fig: 3.



Witnesses:

Thomas L Stetson

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UNITED STATES PATENT OFFICE.

JOSEE JOHNSON, OF NEW YORK, N. Y.

IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. **48,071**, dated June 6, 1865.

To all whom it may concern:

Be it known that I, JOSEE JOHNSON, of the city, county, and State of New York, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare that the following is a full and exact description thereof.

The accompanying drawings form a part of this specification.

Figure 1 is a perspective view, and Fig. 2 is a vertical section, showing my machine entire. Fig. 3 represents the pounder detached.

Similar letters of reference indicate like parts in all the figures.

My machine operates with a lever and a pounder, and subjects the clothes to a beating or alternate compressing and releasing action in a tub or vessel of triangular section. One of the sides of the tub is perpendicular, or much more nearly so than the other side, and the pounder operates by moving up and down along the upright side. The clothes are forced thereby against the inclined side, and are effectually compressed and turned partly over at each blow.

To enable others skilled in the art to make and use my invention with success, I will proceed to describe it by the aid of the drawings and of the letters of reference marked thereon.

My vessel is formed of two triangular ends, 1 and 2, and two sides, 3 and 4, fixed strongly and tightly together. The side 3 is perpendicular. The side 4 is inclined at an angle of about forty-five degrees. The vessel is supported firmly upon legs, as represented, and is provided with a plug or stop-cock to allow it to be readily emptied.

B′ and B² are hinges, and C′ and C² are levers hung thereon, so that they are free to be vibrated in the vertical planes parallel each to the other. D is a handle or cross-bar, which firmly connects the free ends of the levers C′ and C².

E′ and E² are the end pieces, and *e e*, &c., are the intermediate pieces, which, with the connecting cross-piece G, forms the pounder. I shall in this specification refer to the pounder entire as E, to the levers entire as C, and to the tub or vessel entire as A. I groove the surface of the cross-piece G, so that it may serve as a washboard when desired.

To operate my machine, the water, properly heated, is placed in the tub A and the clothes plunged therein. The handle D is then grasped with one hand or both hands and moved up and down. The handle describes an arc of a circle about the hinges B, as indicated by the dotted curved line in Fig. 2, and the corresponding motion thereby imparted to the levers C compels the pounder E to rise and descend in a nearly vertical path parallel to the side 3 of the tub A. Each ascent of the pounder E allows the clothes to roll down into the angle at the lowermost part of the tub, and each descent of the pounder presses forcibly down thereon on the side nearest the perpendicular face 3, and thereby presses the clothes between itself and the lower part of the inclined side 4. The fact that the side 3 is perpendicular and the motion of the pounder parallel thereto makes the friction between these parts very slight.

The inclination of the side 4 prevents the clothes getting very much away from the pounder, subjects them to a powerful squeezing action at each descent of the pounder, and allows the use of a small quantity of water in washing a considerable quantity of clothes, if desired.

In order to prevent the pounder from swinging, I insert pins in the ends 1 and 2, near the top, as indicated by the red outlines denoted I.

Having now fully described my invention, what I claim as new therein, and desire to secure by Letters Patent, is as follows:

As an improved construction of washing-machine, the sides 3 and 4 of the tub A, arranged as represented, in combination with the lever C and pounder E, operating relatively to each other and to the sides 3 and 4, substantially in the manner and for the purpose herein set forth.

JOSEE JOHNSON.

Witnesses:

THOMAS D. STETSON.

D. W. STETSON.