D. B. DORSEY.

Washing-Machines.

No. 141,924. Patented August 19, 1873.

Fig 1.

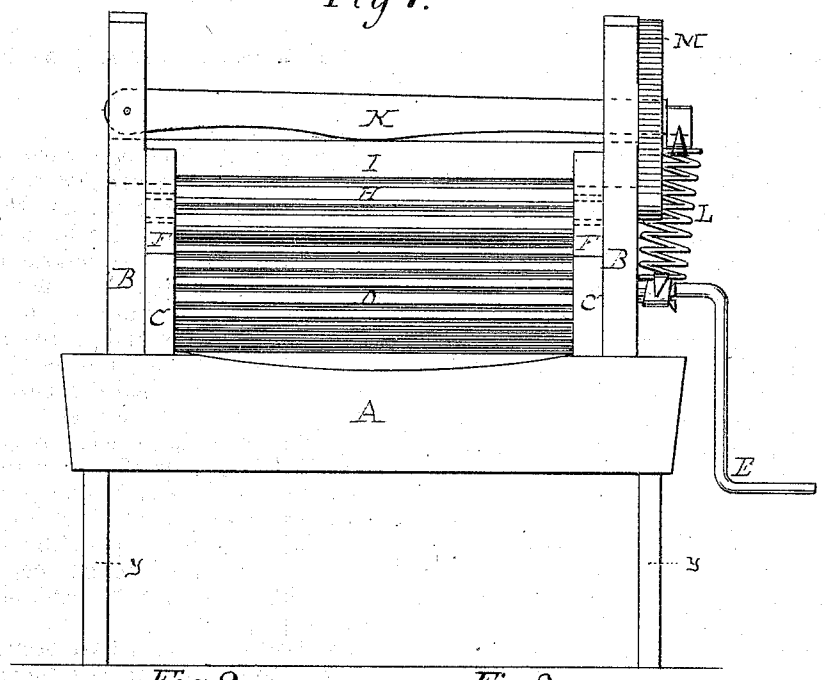


Fig 2.

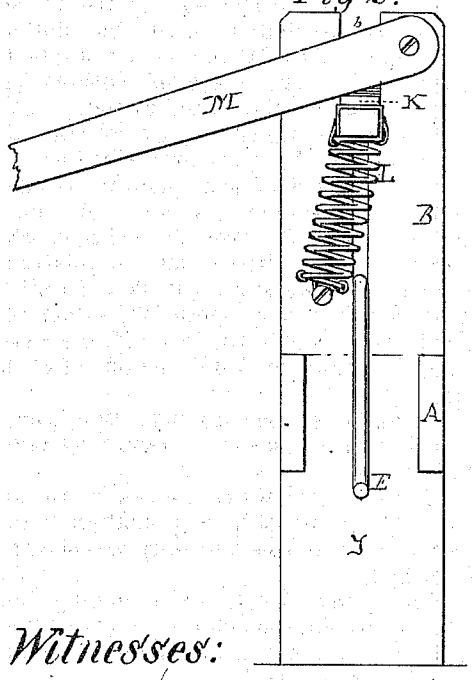
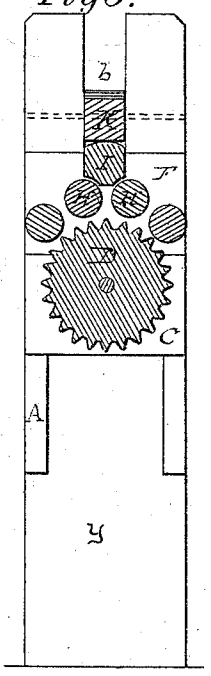


Fig 3.



Witnesses:

A. Gibney

W. H. Clark Knee,

Inventor:

Dennis B. Dorsey

by his atty's.

Cox and Cox

UNITED STATES PATENT OFFICE.

DENNIS B. DORSEY, OF CHILLICOTHE, MISSOURI, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOHN DE SHA, OF SAME PLACE.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **141,924**, dated August 19, 1873; application filed April 25, 1873.

To all whom it may concern:

Be it known that I, DENNIS B. DORSEY, of Chillicothe, Missouri, have invented a new and useful Improvement in Washing-Machines, of which the following is a specification, reference being had to the accompanying drawings.

The object of the invention is to provide a cheap and efficient washing-machine, of simple and durable construction, and particularly to afford a means by which the operator may constantly control the force applied to the clothes.

Figure 1 is a side elevation of a device embodying my invention. Fig. 2 is an end view of the same. Fig. 3 is an end view, partly in section.

A are the parallel boards, which are of suitable depth, the ends of which are beveled to rest against the inner sides of a tub of ordinary construction. Rigidly secured to them are the standards B, which are of proper width, and against which, resting upon the boards A, are the rectangular blocks *c*, in one of which is cut an aperture to receive a pin, which serves as an axle of the fluted drum or cylinder D, and in the other a slot or aperture to accommodate the axle of the crank E, by means of which the drum is actuated, being appropriately connected therewith. Above the blocks *c*, corresponding substantially in size therewith, are the blocks F, in which are pivoted the rollers H, which are arranged, with reference to the cylinder D, so that a circular line passing through their lowest points will form an arc parallel to the arc of the circumference of the cylinder D, and as near thereto as may appear expedient. The blocks F are fastened together by means of the tie I, the ends of which project into the slots *b*, and which are arranged so that they may, with the rollers attached, be raised or lowered at pleasure. Above the tie I, pivoted in the slot in the standard removed from the crank E, is the lever K, the lower surface of which, adjacent to either of the standards, is removed so as to permit only its central part to come in contact with the tie I beneath, its power end, suitably conformed in size, passing within the slot *b* in the other standard, being arranged to move freely therein, and projecting sufficiently to accommodate the parts hereinafter mentioned. To the power end of the lever K is attached, by means of a metallic strap or in any appropriate manner, the upper end of the helical spring L, which, passing down the outer side of the standard, has its lower end secured thereto by any appropriate means in such position as to properly extend the coil. Pivoted to the standard last named, above the lever K, is the transverse lever M, the power end extending outward in such position as to be readily controlled by the operator, its lower edge resting upon the lever K. The ends of the boards A extend beyond the standards B, thus forming spaces to receive the cleats *y*, which are constructed with shoulders to support the machine, and which are designed to be securely fastened to the inside of the tub, the shoulder ends projecting upward.

The cleats *y* having been securely attached to the inside of the tub, the machine is placed in position on them. The end of the piece of clothing is inserted between the fluted cylinder D and rollers H, and power applied at the crank E. The piece of clothing is thus drawn between the fluted cylinder and rollers, passing out upon the reverse side of the machine. If the pressure effected by the spring is insufficient, the operator presses upon the power end of the lever M, thus forcing the rollers H nearer the cylinder D, and effecting the desired object, regulating the operation at pleasure. It is apparent, also, that by the same operation, sufficient power being applied to the lever M, the machine may be made to fulfill the offices of a wringer.

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

The cylinder D, rollers H, blocks F, tie I, lever K, and spring L, in combination with the lever M, for the uses and purposes shown and described.

In testimony that I claim the foregoing improvement in washing-machines, as above described, I have hereunto set my hand and seal this 17th day of April, 1873.

DENNIS B. DORSEY. [L. S.]

Witnesses:
JOHN E. WAIT,
D. DUDLEY CREED.