L. BECKER.

Washing-Machine.

No. 165,058. Patented June 29, 1875.

Fig. 1.

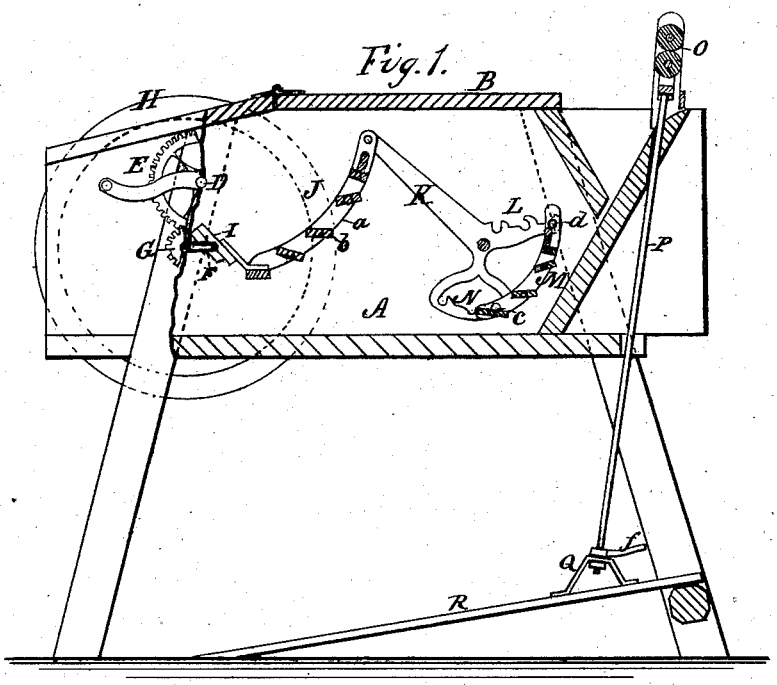
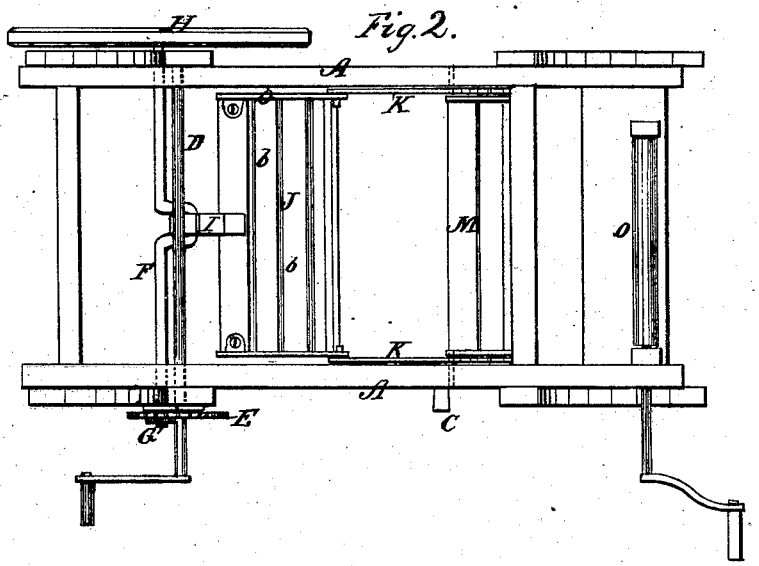


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

LEANDER BECKER, OF YORK, PENNSYLVANIA.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **165,058**, dated June 29, 1875; application filed May 13, 1875.

To all whom it may concern:

Be it known that I, LEANDER BECKER, of the city and county of York, and State of Pennsylvania, have invented a new and Improved Washing-Machine; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a vertical longitudinal section; Fig. 2, a plan view.

This invention relates to certain improvements in washing-machines; and it consists in two levers pivoted to the outer casing, and having notched extensions and pendent segments, provided also with notches.

To the top of the elbow-levers is pivoted an arc-shaped set of rubbers, which are attached at the bottom, by a connecting-rod, with a double crank upon the main shaft. Suspended in the notches of the lever-extensions and the segments is another adjustable detachable set of rubbers, which correspond to the first in construction, and between which and the first set the clothes are contained. The rotation of the crank-shaft causes the two rubbers to reciprocate with a compound motion in opposite directions, the notches in the lever-extensions and segments giving to the detachable rubbers an adjustment either to or from the fixed set, so as to regulate the space between the two according to the amount of clothes to be washed.

In the drawing, A represents the case of the washer, in which the water and suds are contained, the latter being introduced at the top through a hinged door or lid, B, and drawn off, when necessary, through a plug or spigot, C. D is a shaft, carrying the crank by which the washer is operated, and a gear-wheel, E, which communicates motion to shaft F through pinion G. Said shaft F carries a fly-wheel, H, and is provided with a double crank, which imparts motion, through the connection I, to the levers carrying the rubbers. J is the first set of rubbers, which are pivoted, at their upper ends, to the ends of the levers K K. Said rubbers consist of arc-shaped end pieces *a*, connected by pivoted wooden ribs *b*, which engage the clothes with a frictional contact. L are notched extensions of the levers K, and N are pendent segments just beneath the pivots of the said levers. M is the adjustable set of rubbers, which are of the same general construction as J. These said rubbers have studs *c*, that rest in the notches of the segments N, and studs *d*, which are suspended in the notches of the lever-extensions L. The second set of rubbers have thus a horizontal adjustment either to or from the first set, according to the amount of clothes to be washed.

Whenever the crank is actuated the clothes are rubbed between the two rubbers with a compound reciprocating motion, which at once compresses the clothes, rubs them, and turns them over.

Having thus described my invention, what I claim as new is—

The combination of the pivoted levers K K, having extensions L and segments N, with the compound reciprocating rubbers J and the adjustable rubbers M, substantially as and for the purpose described.

The above specification of my invention signed by me this 5th day of May, 1875.

LEANDER BECKER.

Witnesses:

EDWD. W. BYRN,

CHAS. A. PETTIT.