M. PUCKETT.

Washing-Machine.

No. 208,121. Patented Sept. 17, 1878.

Fig. 1.

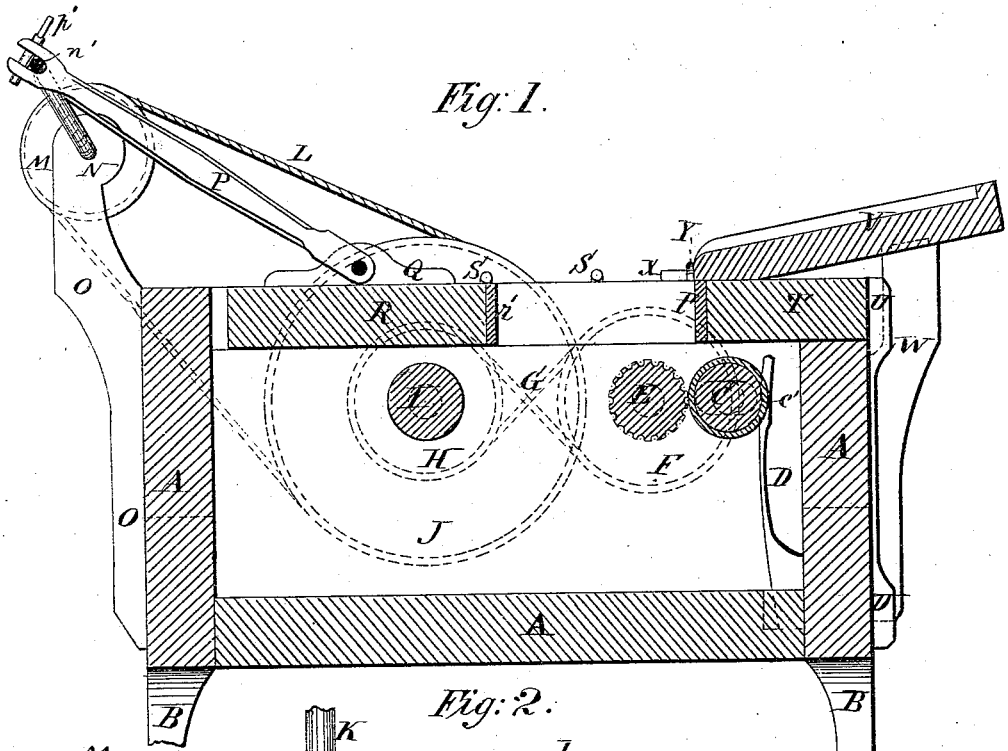


Fig. 2.

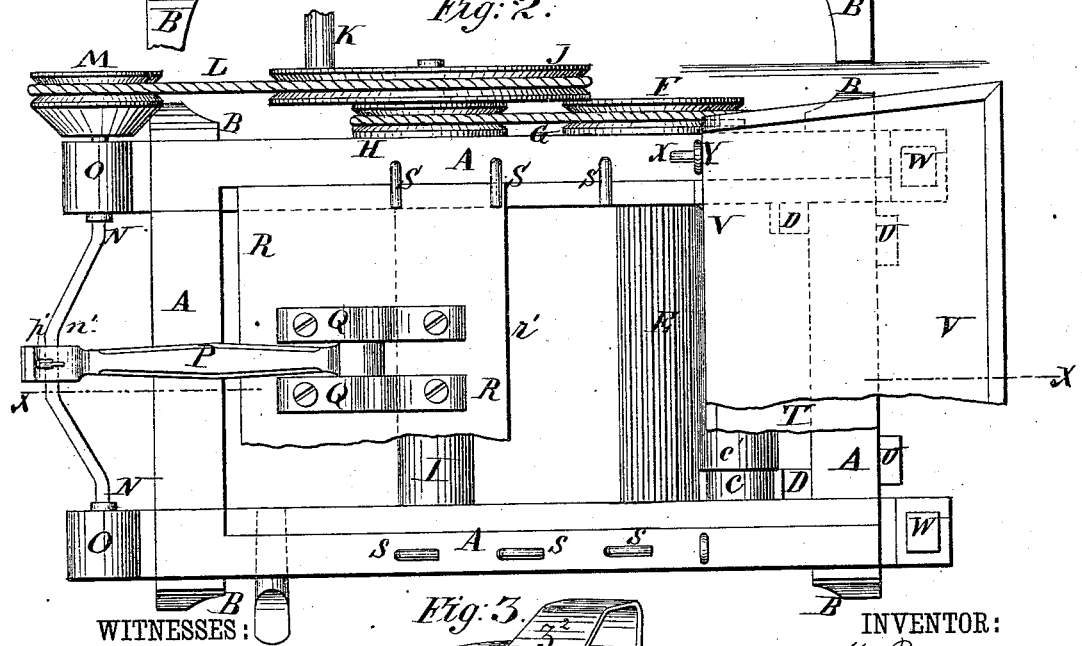
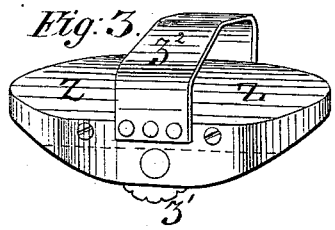


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

MILES PUCKETT, OF WALESCA, GEORGIA.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **208,121**, dated September 17, 1878; application filed July 11, 1878.

To all whom it may concern:

Be it known that I, Rev. MILES PUCKETT, of Walesca, in the county of Cherokee and State of Georgia, have invented a new and useful Improvement in Washing-Machines, of which the following is a specification:

Figure 1 is a vertical longitudinal section of my improved machine, taken through the line *x x*, Fig. 2. Fig. 2 is a top view of the same, parts being broken away to show the construction. Fig. 3 is a perspective view of the hand-rubber.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved washing-machine which shall be simple in construction, convenient in use, and effective in operation, washing the clothes without injuring them, and with a comparatively small amount of labor.

The invention consists in the combination of the feed-roller, the rubber-faced pressure-roller and its springs, the sliding rubber-faced beater, the sliding rubber-faced head-block and its springs, and the feed-table with each other and with the suds-box; and in the combination of the two pairs of pulleys and their bands, the crank-shaft, and the connecting-bar with the feed-roller, the sliding beater, and the suds-box, for giving motion to the said roller and beater, as hereinafter fully described.

A represents the suds-box, which is made rectangular in form, of any convenient size, and is supported upon legs B of suitable length. In the upper forward part of the suds-box A is placed the pressure-roller C, which is covered with rubber *c'*, and the journals of which work in short grooves in the inner surfaces of the sides of the said suds-box A. The roller C is held forward against the feed-roller by two springs, D, the lower ends of which are attached to the lower part of the end of the suds-box A, and their upper ends rest against the end parts of the said roller C.

E is the feed-roller, which is placed at the inner side of the roller C, and its journals revolve in bearings in the sides of the suds-box A. The roller E is fluted, and one of its journals projects, and to it is attached a band-wheel or pulley, F, around which passes a band, G. The band G also passes around a band-wheel or pulley, H, attached to the projecting journal of the shaft I, which revolves in bearings in the sides of the suds-box A. To the journal of the shaft I is also attached a large band-wheel or pulley, J, to which is attached the crank-pin K, by means of which the machine is operated. Around the pulley J passes a band, L, which also passes around a band-wheel or pulley, M, attached to the end of the shaft N. The shaft N revolves in bearings in the upper ends of the arms or brackets O, attached to the end of the suds-box A. Upon the middle part of the shaft N is formed a crank, *n'*, to which is pivoted the end of a connecting-bar, P. The end of the bar P is slotted to receive the crank *n'*, and is secured to said crank by a pin, *p'*, so that it can be detached when desired. The other end of the connecting-bar P is pivoted to and between two blocks, Q, attached to the middle part of the upper side of the beater R. The beater R slides in rabbets formed in or upon cleats attached to the upper parts of the sides of the suds-box A, where it is kept in place by bent pins S or other keepers, attached detachably to the edges of the sides of the said suds-box A, so that the said beater can be readily removed when required. The forward or inner edge of the beater R is faced with rubber *r'*, and beats or compresses the clothes against the inner edge of the head-block T, which inner edge is also faced with rubber *t'*. The head-block T slides in the same rabbets or upon the same cleats as the beater R, and is held forward by the springs U, the upper ends of which are attached to its outer edge, and their lower ends are attached to the end of the suds-box A.

V is the feed-table, which is placed over the head-block T, and the outer part of which rests upon the upper ends of the arms or brackets W, attached to the end of the suds-box A. The inner edge of the feed-table V is beveled off upon its lower side, rests upon the edges of the sides of the suds-box A, and has pins X attached to it, which pass through eyes Y attached to the said edges of the said suds-box A, so that the said feed-table can be readily detached when desired.

In using the machine the clothes to be

washed are placed upon the table V, and are fed regularly to the rollers C E with one hand, while the other hand operates the machine by means of the crank-pin K. As the clothes pass from the table V to the rollers C E they are beaten by and between the beater R and head-block T, and are then operated upon by the said rollers C E. The clothes may receive a greater amount of rubbing by throwing off the band L and turning the crank-wheel J forward and back. Wristbands, collars, and other soiled parts may be rubbed upon the table V by the hand-rubber Z. For convenience in doing this the table V may be removed from the machine and placed in a wash-tub or other convenient place, when it forms an excellent rubbing-board.

The hand-rubber Z is formed by pivoting a small fluted roller, z^1, in the cavity in the under side of the block Z, which block is provided with a strap, z^2, to receive the hand of the operator and enable the said rubber to be used conveniently and effectively.

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

1. The combination of the feed-roller E, the rubber-faced pressure-roller C and its springs D, the sliding rubber-faced beater R, the sliding rubber-faced head-block T and its springs U, and the feed-table V with each other and with the suds-box A, substantially as herein shown and described.

2. The combination of the two pairs of pulleys F H and J M and their bands G L, the crank-shaft N, and the connecting-bar P with the feed-roller E, the sliding beater R, and the suds-box A, for giving motion to the said roller and beater, substantially as herein shown and described.

MILES PUCKETT.

Witnesses:
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J. M. MCAFEE.