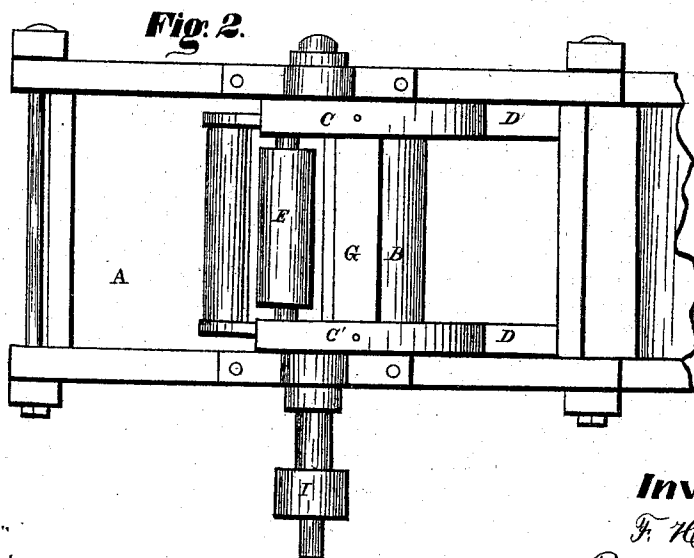
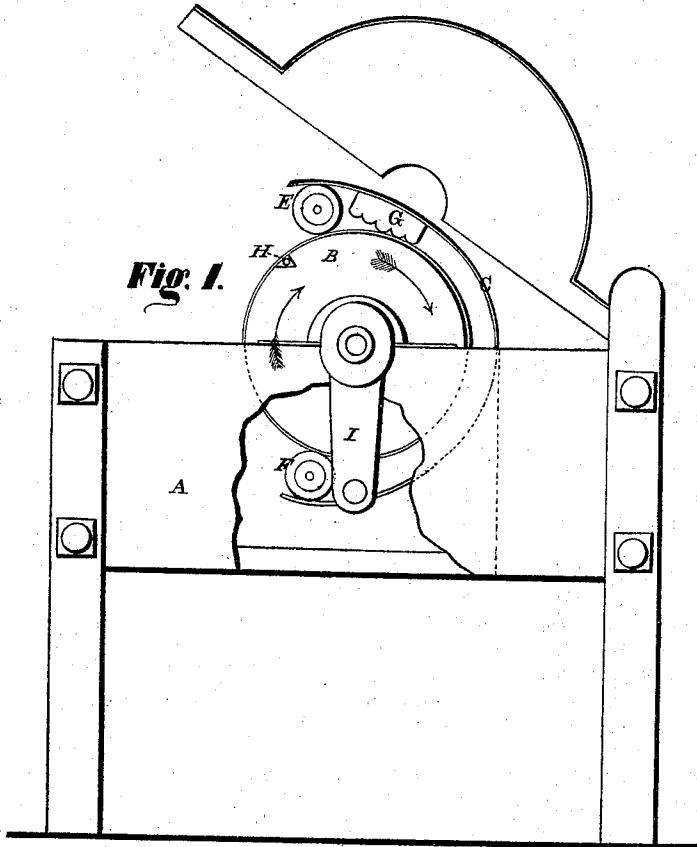


F. HULET.
Washing-Machines.

No 137,206.

Patented March 25, 1873.



Witnesses.
C. D. Cornell.
W. A. Robinson

Inventor.
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UNITED STATES PATENT OFFICE.

FLETCHER HULET, OF BEREHA, OHIO.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 137,206, dated March 25, 1873.

To all whom it may concern:

Be it known that I, FLETCHER HULET, of Berea, in the county of Cuyahoga and State of Ohio, have invented a certain new and Improved Washing-Machine; and I do hereby declare that the following is a full, clear, and complete description thereof, reference being had to the accompanying drawing making part of the same.

Figure 1 is a side elevation of the machine. Fig. 2 is a plan view.

Like letters of reference refer to like parts in the several views.

The nature of this invention relates to a washing-machine, and which machine consists of a large central cylinder made to revolve in a box, and to which the clothes to be washed are attached. With the cylinder are arranged two rollers, one above and one below it, and which are kept in contact therewith by springs to which they are journaled. In combination with the cylinder and rollers is arranged a wash-board, which is kept in contact with the cylinder by means of the springs referred to. A more full and complete description of the above machine is as follows:

A represents the box or tube in which the cylinder B referred to is hung, it having its bearings on the sides thereof, as shown in the drawing. C C' are springs arranged at each end of the cylinder, and secured at the middle to the cleats D, thereby leaving both ends of the two springs free, and which extend around about half-way the cylinder as shown in Fig. 1. To the upper ends of the springs is journaled a roller, E; also to the lower ends of the springs is journaled a corresponding roller, F. Immediately back of the upper roller E is secured a wash-board, G, having a corrugated under surface, resting upon the face of the cylinder, as shown.

The practical operation of the above-described machine is as follows: The clothes or article to be washed are attached to the

cylinder by inserting one end under the bar H, Fig. 1. Said bar is let into the face of the cylinder in a groove, so that the bar shall be pushed with the surface thereof, and longitudinally therewith. The cylinder, with the article thus attached to it, is made to revolve, by means of the crank I, in the direction of the arrows. The clothes are made to pass under the roller E, and the dirt and suds pressed out of them. Immediately on leaving the roller the clothes are then acted upon by the wash-board G, and the dirt in consequence rubbed loose in the fabric, which is then soused into the suds contained in the box, and is again subjected to pressure while in the suds by passing between the roller F and cylinder, thereby pressing out the loosened dirt. As the article emerges from the suds it is again pressed by the roller F, and on leaving which it is once more subjected to the action of the wash-board, and so on. The article is pressed by the rollers and rubbed by the board so long as the cylinder is kept revolving, which operation soon washes the clothes free of dirt, which are then taken from the machine and subjected to the after treatment in the ordinary way. The operation of the machine is simple and efficient, and requires but little strength and skill to use it.

Claim.

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

The springs C C, rollers E F, and wash-board G, as arranged to co-operate in combination with the cylinder B, provided with a bar, H, and box or tub A, in the manner substantially as and for the purpose specified.

FLETCHER HULET.

Witnesses:

W. H. BURRIDGE,
R. S. WELLINGTON.