

(Model.)

G. C. MILLER.
WASHING MACHINE.

No. 261,020.

Patented July 11, 1882.

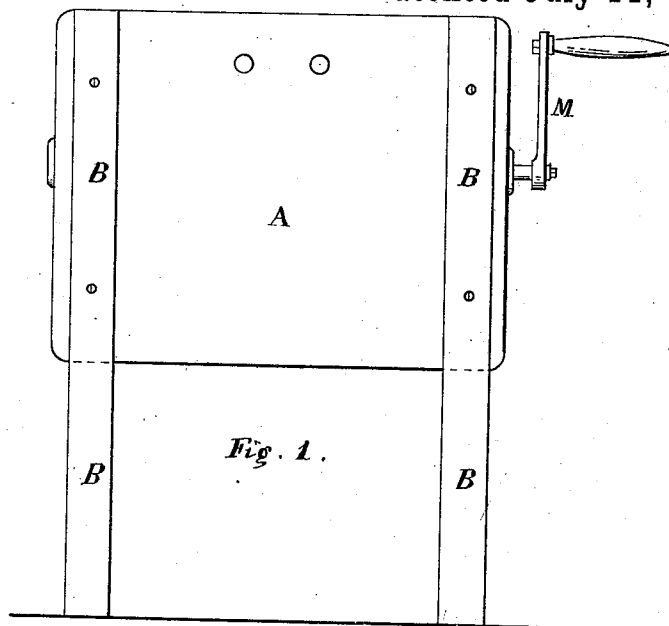


Fig. 2.

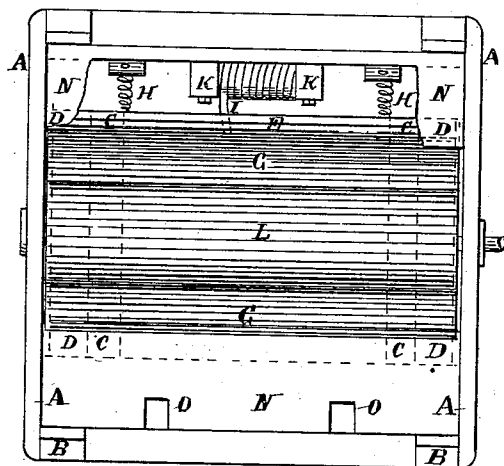
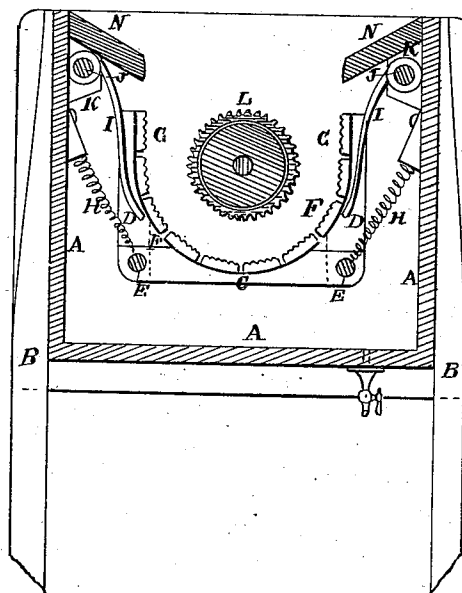


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE C. MILLER, OF ALLIANCE, OHIO.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 261,020, dated July 11, 1882.

Application filed March 30, 1882. (Model.)

To all whom it may concern:

Be it known that I, GEORGE C. MILLER, of Alliance, in the county of Stark and State of Ohio, have invented a new and useful Improvement in Washing-Machines, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of my improvement. Fig. 2 is a plan view of the same. Fig. 3 is a sectional end elevation of the same.

The object of this invention is to facilitate the washing of clothes and other fabrics and prevent the clothes from being injured while being washed.

The invention consists in a washing-machine constructed with a tub, a corrugated cylinder journaled to the tub, and three corrugated rub-boards, hinged to each other and supported and pressed toward the cylinder by springs attached to the tub, whereby the clothes will be pressed between the said cylinder and rub-boards while being operated upon, as will be hereinafter fully described.

A represents the tub, which can be made of any convenient length, width, and depth, and which is supported upon legs B of such a length as to raise the tub A to a convenient height.

C are two horizontal bars, the ends of which are hinged to the ends of upright bars D by rounds E.

To the bars C is attached a rub-board, F, the upper side of which is concaved and corrugated. To each pair of upright bars D is attached a rub-board, G, the face of which is corrugated, and may be straight or slightly concaved. The hinged rub-boards G F G are supported by four spiral springs, H, the lower ends of which are attached to the rounds E and their upper ends are attached to the sides of the tub A, or to supports attached to the said sides.

I are springs, the upper parts of which are coiled around and secured at one end to a rod, J, attached to supports K, secured to the up-

per part of the sides of the tub A. The other ends of the springs I rest against the outer sides of the rub-boards G.

Within the space between the rub-boards G F G is placed a cylinder, L, the face of which is corrugated. The journals of the cylinder L work in bearings attached to the ends of the tub A. One of the journals of the cylinder L projects, and to it is attached the crank M, by means of which the machine is operated.

With this construction the clothes to be washed are placed in the space between the cylinder L and the rub-boards G F G, and the said cylinder is revolved, rubbing the clothes and carrying them through the said space. The rub-board F is pressed upward by the springs H, and the rub-boards G are pressed inward by the springs I, so as to hold the clothes against the cylinder L while being operated upon. The springs H I also allow the rub-boards G F G to adjust themselves as the thickness of the clothes passing through the machine may require.

The spaces between the rub-boards G and the sides of the tub A are closed by the covers N, which are attached to the sides and ends of the tub A. The covers N serve as aprons for the clothes to pass over when being placed in and removed from the machine. In the outer part of one of the covers N are formed openings O, so that a wringer can be readily attached to the upper edge of the side of the tub A.

The tub A can be covered by a suitable lid for the purpose of retaining the steam and heat while the machine is in use.

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

In a washing-machine, the combination, with the tub A, and the corrugated cylinder L, of the horizontal bars C, the upright bars D, pivoted thereto by rounds E, the supporting-springs H, the hinged rub-boards G F G, and the springs I, substantially as and for the purpose set forth.

GEORGE C. MILLER.

Witnesses:

L. W. BALLARD,
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