

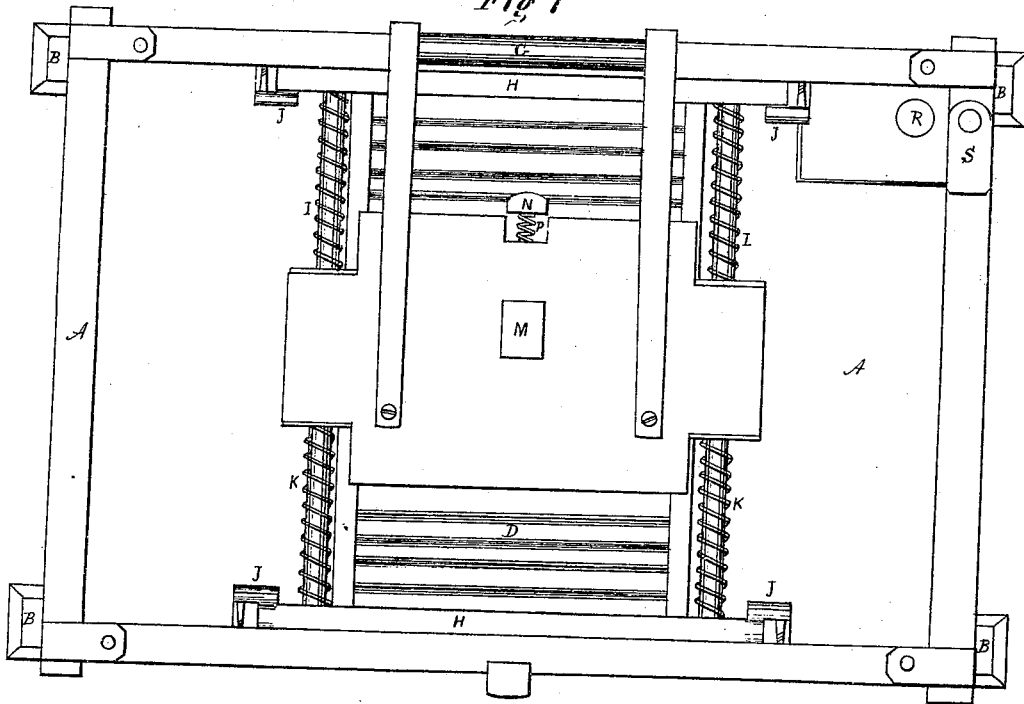
*S. J. Clark,*

*Washing Mach.*

*No. 110825.*

*Patented Jan. 10. 1891.*

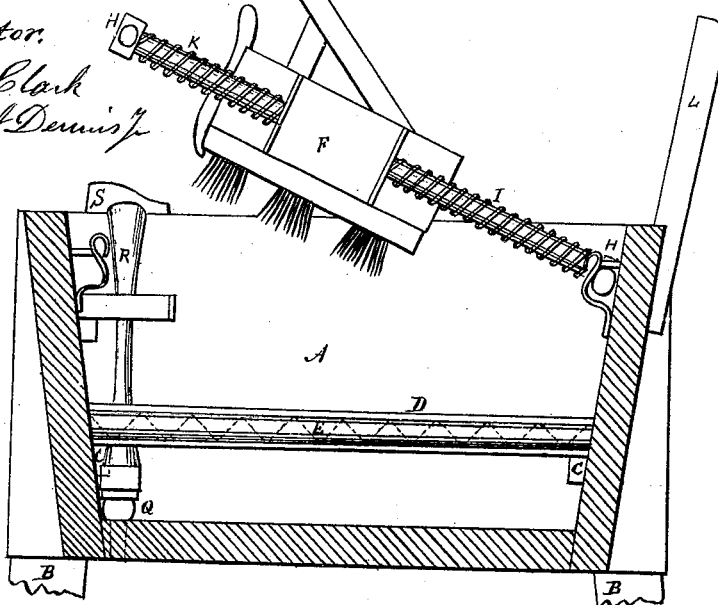
*Fig 1*



*Fig 2*

*Inventor.*  
*Sarah J. Clark*  
*By her Atty J. Dennis*

*Witnesses.*  
*Wm. Chapman*  
*Chas. E. Brown*



# United States Patent Office.

SARAH J. CLARK, OF RICHMOND, INDIANA.

Letters Patent No. 110,825, dated January 10, 1871.

## IMPROVEMENT IN WASHING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

### *To all whom it may concern:*

Be it known that I, SARAH J. CLARK, of Richmond, Wayne county, in the State of Indiana, have invented certain new and useful Improvements in Washing-Machines; and I hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawing forming part of this specification.

The nature or essence of my invention consists in the particular construction and arrangement of devices forming the improvements in the washing-machine described in the following specification and represented in the accompanying drawing.

In the above-mentioned drawing—

Figure 1 is a plan or top view of a machine with my improvements.

Figure 2 is a section of the machine.

In this drawing—

A is an oblong box or vat, provided with four legs, B B, to support it at a convenient height for washing.

C C are two cleats, see section, fig. 2, fastened to the inside of the box A to support the wash-board D, which rests upon them and extends across the box.

The upper surface of the wash-board D is corrugated zinc plate, secured in a tray of wood just long enough to reach across the box A; and to relieve the clothes being washed from the friction of the edges of the tray as they are drawn across the wash-board, I make two rollers, E E, to turn freely in the sides of the box, that is, one roller on each side of the wash-board.

To rub or brush the clothes on the board D I make a block, F, in the form shown in the drawing, and set bristles on the under side, to form a brush to traverse across the clothes on the board D. This block F has the handle G fastened to it, which is seized by the operator to traverse the block and wash the clothes.

To hold the block F over the board D while it is being traversed, I make a frame, consisting of the bars H H and rods I I, which are firmly fastened into the bars to make a frame just wide enough to fit in the box A; and it is supported by four brackets, J J, fastened to the inside of the box.

The projecting ends of the block F are perforated for the rods I I, so that the block will traverse freely across the machine on the rods, right over the wash-board D.

To enable the operator to traverse the brush-block fast with ease, I put the spirally-coiled springs K K on the rods I I, to prevent the block F from slamming against the sides of the box. When it is moved across, the springs are compressed alternately on each side, and in reacting give the block a smart impulse in the opposite direction, so as to materially assist the operator in working the machine.

The ends of the bars H H are rounded, so as to turn in the brackets when the block and frame are raised to the position shown in fig. 2, where they are supported by the standard L fastened to the box, which catches under the bracket M fastened to the top of the block.

I fasten the spring-clamp N to the side of the block F, so that small articles can be fastened by the clamp and held to the block while they are rubbed and brushed. The clamp N is pressed onto the clothes by the spring P, in fig. 1.

I make a hole in the bottom of the box to let the water out, and apply the valve Q to it to stop it; but it may be opened by pushing down the rod R and turning the button S to hold it open.

To use the above-described machine, I fill the box with water nearly to the top of the wash-board, soap the clothes and put them in the water, draw one end of the piece to be washed onto the board and brush it, then raise the brush and draw the washed part into the water and brush the part on the board; and thus continue until it is washed.

I claim—

1. In combination with the brush-block F, the springs K K, arranged substantially as described, for the purpose set forth.

2. In combination with the brush-block, the spring-clamp N to hold the article being washed to the block, substantially as described.

3. The combination of the brush-block F, wash-board D, and rollers E E, arranged substantially as described.

SARAH J. CLARK.

Witnesses:

J. J. RUSSELL,  
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