

GEORGE E. WADE, IMPROVED WASHING MACHINE

PATENTED

Fig. 1. DEC 10 1867

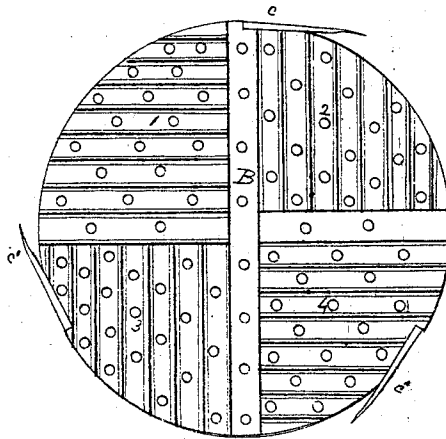
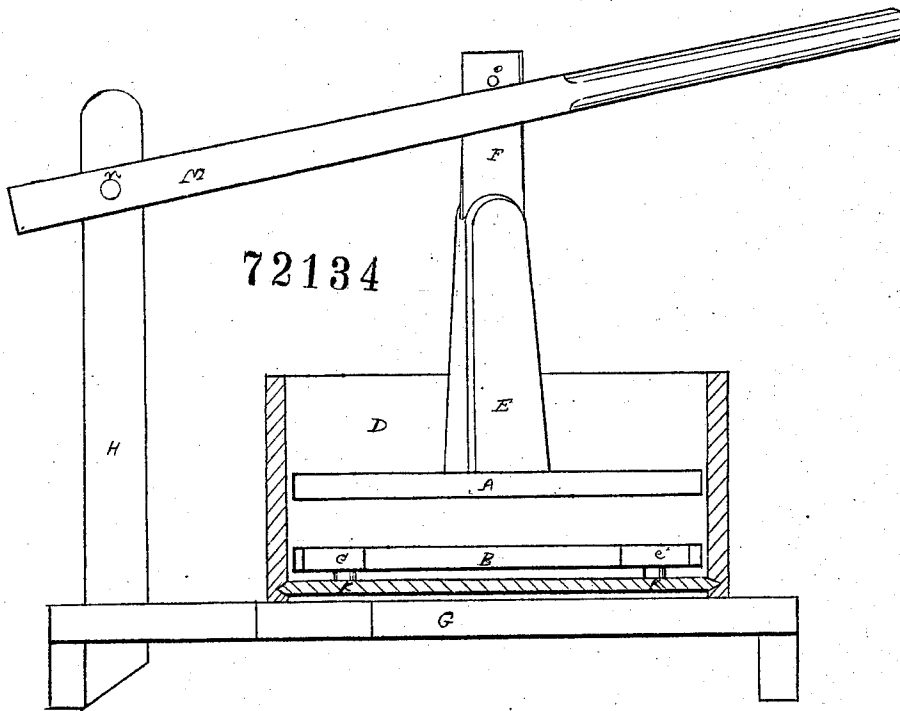


Fig. 2.

Witnesses:

Sam'l. S. Boyd
W. J. Jones

Inventor:

Geo E. Wade per
Boyd & Co Attys

United States Patent Office.

GEORGE E. WADE, OF JEFFERSON CITY, MISSOURI.

Letters Patent No. 72,134, dated December 10, 1867.

IMPROVED WASHING-MACHINE.

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, GEORGE E. WADE, of Jefferson City, county of Cole, State of Missouri, have invented a new and useful Improved Washing-Machine, of which the following is a full, clear, and exact description, reference being had to the annexed drawing, making a part of this specification, in which—

Figure 1 represents an elevation of my invention, with the wash-tub in section.

Figure 2 represents a top view of the stationary wash-board.

Similar letters indicate like parts.

My invention consists of two circular wash-boards, A and B, fig. 1, and B, fig. 2, one of them, B, having springs, *c c' c''*, fig. 2, so fitted into its circumference that when placed in a common wash-tub, D, fig. 1, it may by their action be firmly held in place; the other, A, is attached to a shaft, E, having at its end a spiral metal plate, F. Both A and B are perforated, as shown in fig. 2, and have corrugations at right angles to each other, as shown at 1, 2, 3, &c., fig. 2, the corrugations being on the top of B and the under side of A. B rests upon blocks, two of which are shown at *k k'*, fig. 1, which raise it a little above the bottom of the tub, so that the water can circulate freely beneath the board, which also, by the action of the springs, is kept a sufficient distance from the sides of the tub to allow the water to flow around it on all sides. I have a stand, G, with an upright, H, at one end, whose extremity passes through a slot in a lever, M, and is secured by a pin, *n*.

The tub being placed on this stand, and secured by cleats or other device, the plate F passes through another slot in the lever, and secured by a pin placed through it at *o*. This slot is lined with metal, to prevent its wearing. The lever being raised, the water and clothes are placed in the tub, and then, by working the lever up and down, a reciprocating rotary motion is given to the board A, thus rubbing the clothes, and at the same time pressing the water through them, the corrugations on the boards serving to draw the clothes to the centre, thereby insuring their proper position for the pressure of the board. The springs *c c' c''*, pointing in the direction of the rotary motion of the board A, prevent the board B from being moved by its action. These boards may, by means of the springs, be adapted to common wash-tubs of different sizes, and the plate F may have several perforations, for the purpose of adjusting it to correspond to the quantity of clothing in the tub. The advantages of this are seen in its gentle action on the clothes, its cheapness and simplicity, and the ease with which it may be operated.

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

The lever M, the spiral metal plate F, the wash-boards A and B, corrugated as shown, and the springs *c c' c''*, in combination with a common wash-tub, when constructed, arranged, and operating substantially as shown and specified.

GEORGE E. WADE.

Witnesses:

G. T. WHITE,
W. D. PRATT.