

J. V. Wackerman

Washing Machine.

No. 99,984.

Patented Feb. 15. 1870.

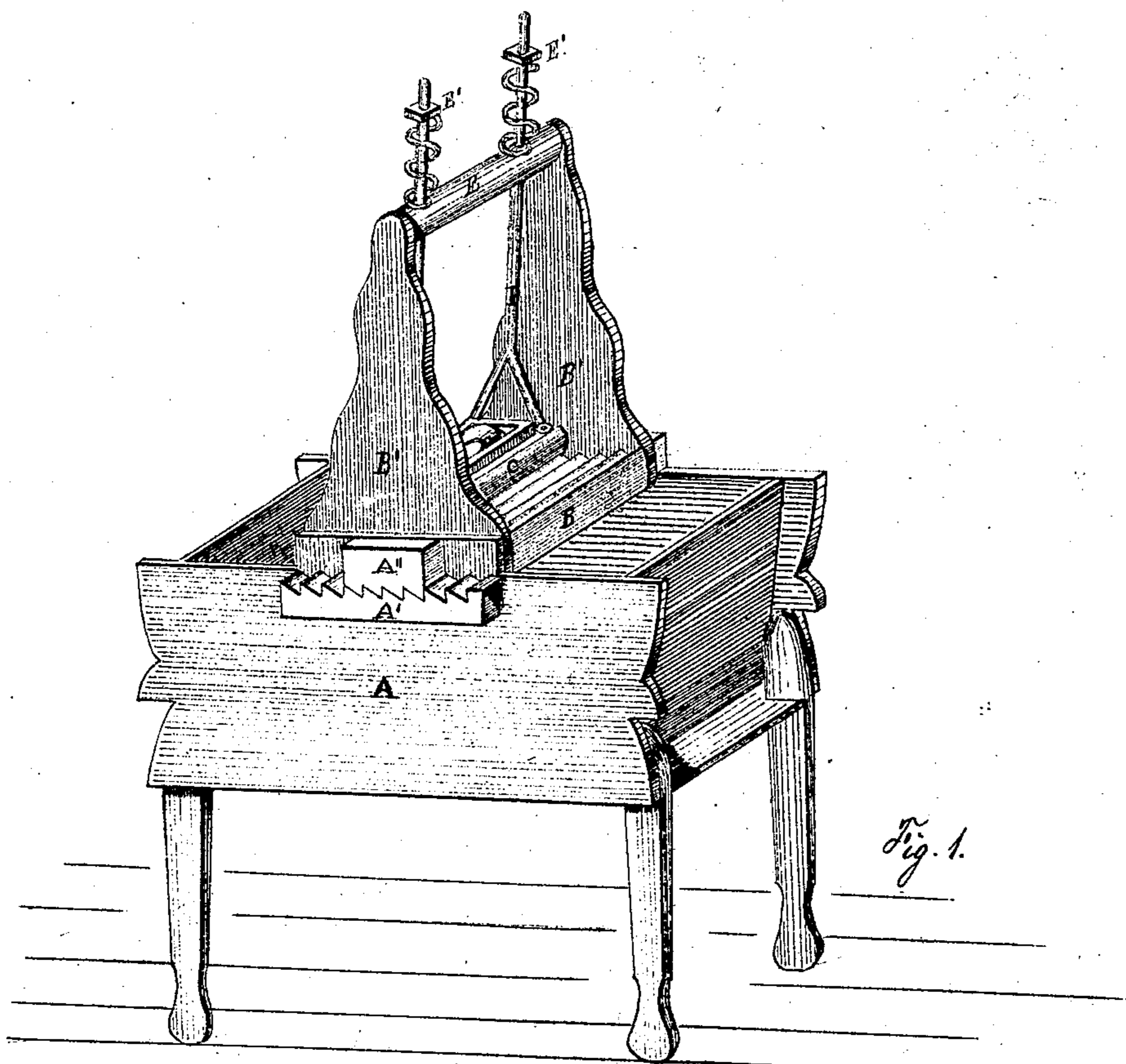


Fig. 1.

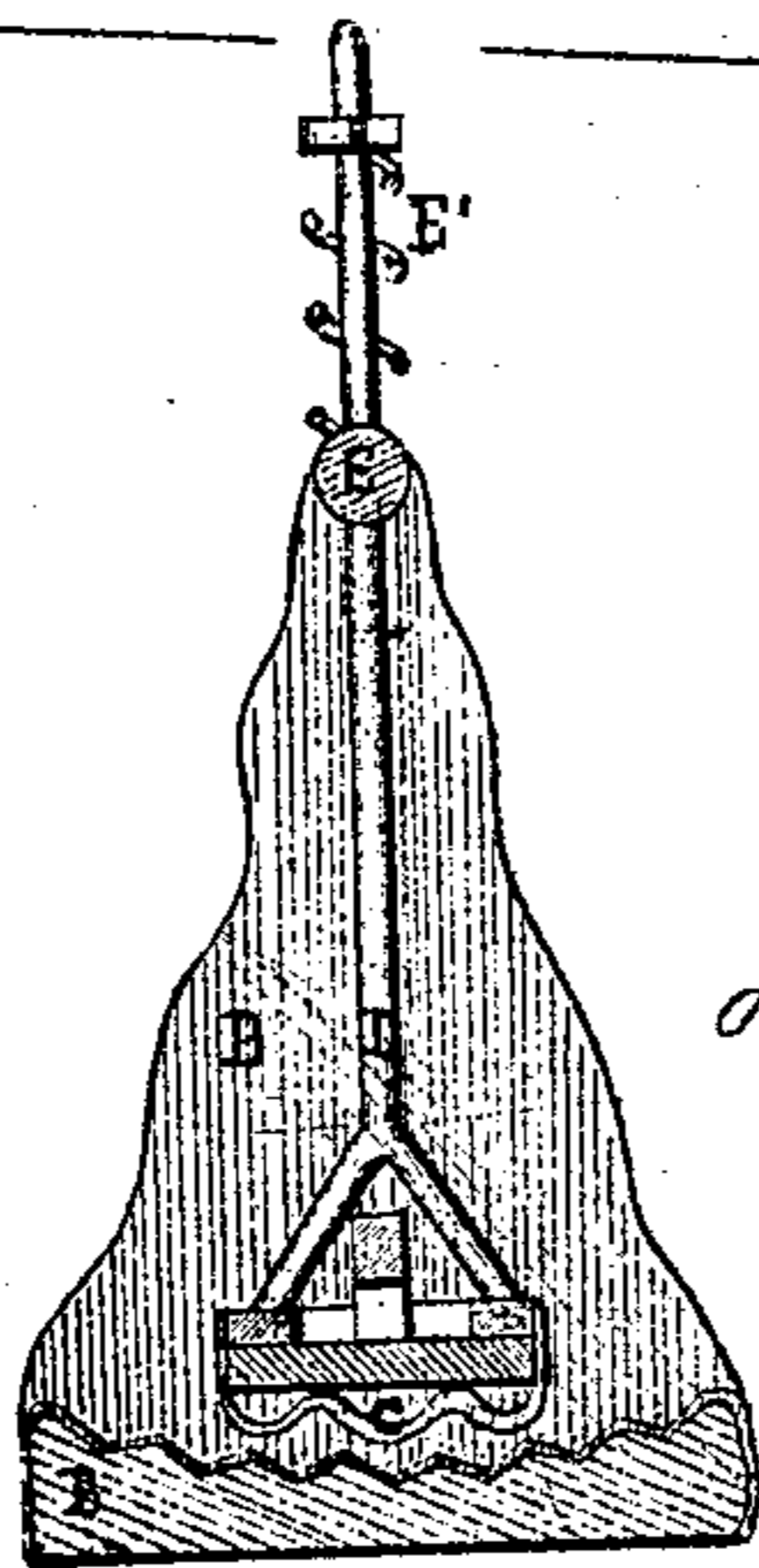


Fig. 2.

Witnesses:
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United States Patent Office.

JOHN V. WACKERMAN, OF BUFFALO, NEW YORK.

Letters Patent No. 99,984, dated February 15, 1870.

IMPROVED WASHING-MACHINE.

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

I, JOHN V. WACKERMAN, of the city of Buffalo, in the county of Erie, and the State of New York, have invented certain Improvements in Washing-Machines, of which the following is a specification.

The nature of my invention consists in providing a washing-machine with a curved and corrugated metal washing-bed, the same to be operated in conjunction with a rubber, corrugated, and adjustable rubbing-head, the whole being secured to and on the top of a wash-tub on which it is adjustable.

I refer to the drawing which makes a part of this specification:

Figure 1 represents the washing-machine, in a perspective view.

Figure 2 is a sectional cut through the working parts of the washing-machine.

A in the drawing is the wash-tub.

The same is provided with two toothed racks, A¹, into which fit two catches, A², as illustrated in the drawing. Said toothed racks and catches have for their object to provide for a chance of adjusting the wash-bed with its connections, so as to make it easy to the operator to work the same.

B is the curved corrugated metal wash-tub.

The same is resting on the top of wash-tub A, and is provided with two uprights, B'.

C is the rubber corrugated and adjustable rubbing-head.

The same is suspended by means of two suspending rods, D.

Said rods are secured with their lower ends to the rubbing-head C, and with their upper ends to supporting shaft E, and are provided on their upper ends with a spiral spring and regulating nut, as plainly seen in the drawing. The object of said spiral springs and nuts is to adjust the power required for depressing the corrugated rubber rubbing-head, in order to bring the same in contact with the material to be washed.

It will be observed that the material to be washed is to be placed between the curved and corrugated

metal wash-bed and the corrugated rubber rubbing-head, and that the application of the corrugated metal wash-bed, in conjunction with the corrugated rubber or flexible rubbing-head, performs the washing nearest to that done by hand.

In the operation of my washing-machine, the clothes and water are placed in the tub A, and the wash-bed B is moved along the top of the box A, to adjust it to the height of the operator, when it is fixed by means of the rack and pawl. This is an important feature in the invention, as the position of the wash-bed and rubber materially effect the operation of the latter. Sufficient water is held by the clothes placed between the rubber and bed to wash them.

I am aware that a ratchet or pawl or other equivalent device has heretofore been employed to move the wash-bed in the box, but heretofore the device has always been employed in the interior of the box, where it is likely to become inoperative, in consequence of the wash-beds coming in contact with the clothes in the box. Besides, if metal is employed for the rack and pawl, they are liable to corrode from the action of the water in the box.

My arrangement of the rack and pawl on the top of the box entirely obviates these objections.

I hereby disclaim the employment of a rack and pawl operating in the interior of the wash-tub; but

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

The wash-tub A, in combination with the corrugated wash-bed B, rubbing-head D, suspending rods D provided with coiled springs E', and nuts and toothed rack A¹ and catches or pawls A², when said rack and pawls are located on the top of the sides of the tub A, as constructed and described.

JOHN V. WACKERMAN.

Witnesses:

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MICHAEL J. STARK.