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J. G. ROTH.

Improvement in Wringing Machines.

No. 122,659. Patented Jan. 9, 1872.

Fig. 1.

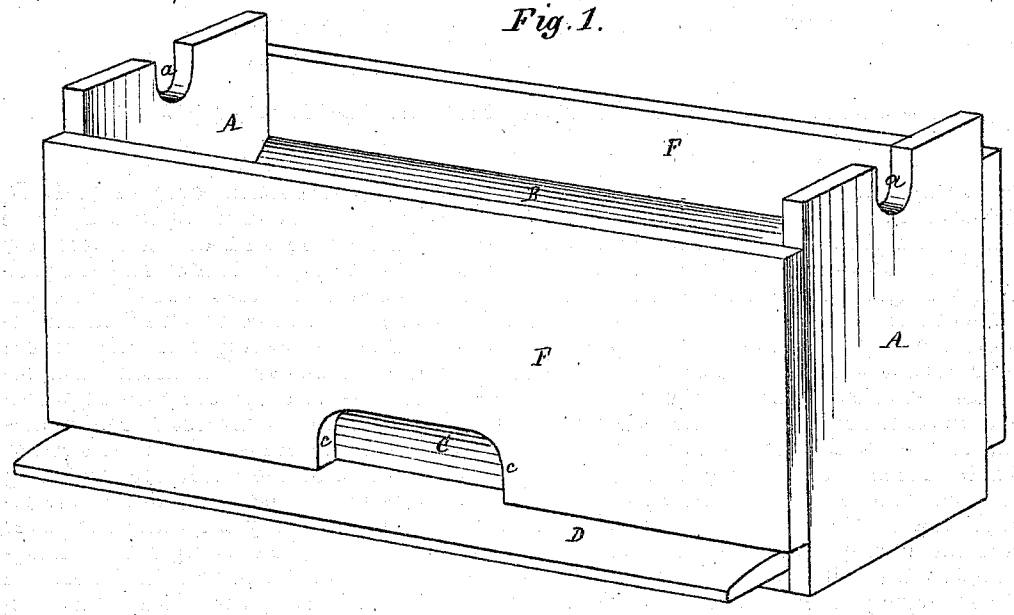
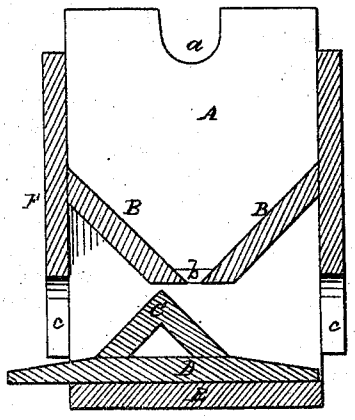


Fig. 2.



Witnesses

C. B. Nottingham.

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UNITED STATES PATENT OFFICE.

JOHN G. ROTH, OF NEW YORK, N. Y., ASSIGNOR TO THE METROPOLITAN WASHING-MACHINE COMPANY, OF MIDDLEFIELD, CONNECTICUT.

IMPROVEMENT IN WRINGING-MACHINES.

Specification forming part of Letters Patent No. 122,659, dated January 9, 1872.

To whom it may concern:

Be it known that I, JOHN G. ROTH, of the city, county, and State of New York, have invented certain new and useful Improvements in Clothes-Wringers, of which the following is a specification:

The object of my invention is to provide means for discharging the water squeezed from the clothes passing through the wringer-rolls from one to the other side of the machine, according to the position of the tub or other vessel for the reception of the water, and thus to prevent the water from accidentally escaping and falling on the floor. My invention consists in the employment in the frame of the wringer, below the rolls, of two downwardly-inclined converging dripping-boards, or their equivalents, in combination with a movable guide or partition located below said boards, and so arranged that it may be shifted to one or the other side of the space or opening between the lower ends of the same, for the purpose of directing the water falling through said opening to one or the other side of the machine as desired.

The manner in which my invention is or may be carried into effect can readily be explained and understood by reference to the accompanying drawing, in which—

Figure 1 is a perspective view of so much of the lower portion of the frame of a wringer as is necessary to illustrate my invention. Fig. 2 is a transverse vertical section of the same.

A represents the wringer-frame, and *a* the bearings in which the shaft of the lower roll is supported. At a suitable distance below the lower roll I arrange two downwardly-inclined converging dripping-boards, B B, which are secured firmly to the wringer-frame, and are so arranged as to have between their lower ends a central space or opening, *b*, through which the water falling upon either or both dripping-boards, will pass. I thus concentrate the flow of water at one point, and, in order to effect the discharge of this water from one or the other side of the machine at pleasure, I arrange below the said opening a movable guide or water-shed, which can be shifted so as to cause the water to pass from either side of the machine. The device in the present instance consists of a double-inclined shed, C, secured to the bottom-board or plate D, which rests loosely upon a support, E, or is otherwise arranged in the frame, so that it may slide back and forth, in order to shift the position of the shed C to either side of the opening *b*. The board D projects some distance beyond the frame of the wringer, for the purpose of allowing it to be easily adjusted. For instance, when the shed is in the position shown in Fig. 2, the board will project some distance on the left of the machine; if it be desired to shift the position of the shed, the projecting part of the board is pushed in, and in its sliding movement will carry the water-shed over to the other side of the opening *b*, thus changing the direction of the flow of the water. In lieu, however, of having the board to thus project bodily beyond the wringer-frame, projecting knobs, pins, or handles may be substituted, by means of which the adjustment of the sliding water-shed can be effected. I prefer, on the whole, the arrangement of the shed so that it shall slide; but it is manifest that the same effect may be produced by placing a hinged or tilting-board or shed beneath the opening *b*, which may be inclined in one direction or the other, so as to direct the water to either side of the machine. In lieu of the double-inclined sliding shed, a simple upright partition-board, mounted on the sliding support D, may be used; but I prefer the arrangement first mentioned.

With the devices above described I prefer to use on each side of the machine a shield, F, with a central perforation or opening, *c*, for the purpose of discharging the water at a point when the wringer most overhangs the tub or other vessel provided to receive the water.

When the wringer is in use, no matter in which direction the rolls revolve, the water from them will be caught by the converging dripping-boards B, and will be directed to the central opening *b*. By shifting the position of the shed C to one side or the other of this opening, the water will be guided toward and caused to escape from either side of the wringer, as preferred.

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

1. The downwardly-inclined, converging, stationary dripping-boards, arranged in the

frame of the wringer, with a space or opening for the passage of water between their lower ends, in combination with an adjustable or movable shed arranged beneath said opening to deflect or guide the water passing therefrom to either side of the machine at pleasure, substantially as shown and described.

2. The combination, with the wringer-frame and downwardly-inclined converging dripping-boards, of the sliding water-shed, arranged beneath the central opening between said boards, so as to be shifted from one side to the other of the same, substantially as shown and described.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

JOHN G. ROTH.

Witnesses:
HENRY J. BOWEN,
ADDISON THOMAS.

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