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J. G. ROTH.

Improvement in Wringing Machines.

No. 122,658. Patented Jan. 9, 1872.

Fig. 1.

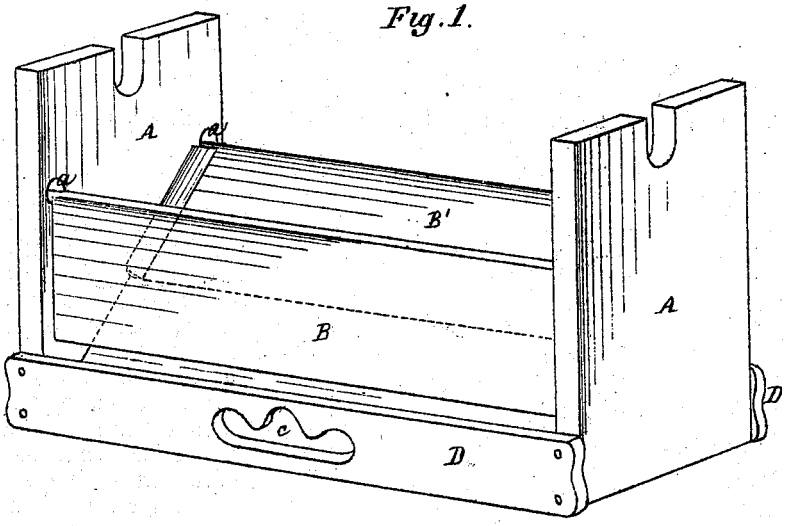
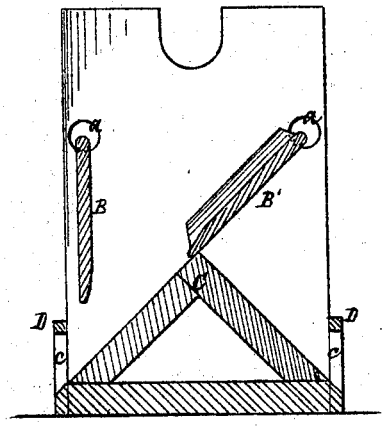


Fig. 2.



Witnesses.

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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. 122,658, dated January 9, 1872.

To all 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:

My invention has for its object to direct the water squeezed from the clothes by the wringer-rolls so that it may fall from the one or the other side of the wringer, according to the position of the tub or vessel placed to receive such water. Unless some such provision is made some portion of the water is very apt not to reach the tub, and the floor or ground around the wringer is thus rendered damp and sloppy. My invention consists in the employment of two freely-swinging horizontally-hinged dripping-boards arranged opposite one another in the frame of the wringer, below the rolls, in combination with a rest or support intermediate between the two, under such an arrangement that the one board may be swung up in an inclosed position to rest upon or lap over said support and to displace the other board in case the latter should be resting on the support, thus presenting an inclined surface, which will direct the water falling upon it to one side of the machine or the other, depending upon which board is employed. The manner in which my invention is or may be carried into effect will be understood by reference to the accompanying drawing, in which—

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

The wringer-frame is represented at A; the freely-swinging horizontally-hinged dripping-boards are shown at B B′, and the intermediate rest or support is seen at C. Each dripping-board is provided with journals, which move freely in bearings *a*, formed for them in the wringer-frame. The bearings are made somewhat larger than the journals, and of such shape and size that when the dripping-board is raised its journals may rise or move in its bearings in a direction away from the intermediate support or rest C to permit the free end of the board to pass the top of the support and then to rest on or lap over the same, as indicated in Fig. 2. For this purpose the distance between the top of the support and either bearing *a* should be a little less than the middle of the dripping-board B or B′, so that when the board is lifted above the support its outer edge may lap over or rest upon the support sufficiently to hold said board in the proper inclined position. Under the arrangement above described either dripping-board can be readily put in position or displaced so as to direct the water to the one or the other side of the wringer at pleasure. For instance: when the dripping-board B′ is in position as shown in Fig. 2 the water from the wringing-rolls will fall upon its inclined surface, and will be caused to pass out from the left of the machine. Supposing, however, it is desired to change the direction in which the water runs, the dripping-board B is swung up, its outer edge rising until it comes in contact with the edge of the board B′, which rests on the top of the support C. The board being still further raised will lift the board B′ until the edge of the latter is raised above the top of the support C. When this takes place the board B′ will fall into a vertical position and the board B will rest on or lap over the top of the support C, thus assuming an inclined position the reverse of that previously occupied by the board B′, and causing the water to be directed out from the right of the machine. The particular mode of hinging the boards is immaterial so long as they can swing freely toward and away from the intermediate support, and can rise and fall so as to pass over the top of said support for the purposes above stated. As to the intermediate support C, it may be constructed in any suitable manner, and may be of any proper shape or configuration; it can also be secured to the wringer-frame in any suitable manner. A simple upright partition board would answer the purpose of supporting the dripping-boards, and preventing the water deflected in one direction from escaping or passing to the other side of the machine after falling from the dripping-board. I prefer, however, to employ a double-inclined watershed, as shown in the drawing, so as to aid in further directing the water after it passes from the dripping-board. In order to prevent the water from escaping too near to the ends of the machine, where it would be apt not to fall into the tub, I provide a shield, D, on each side

of the frame projecting some distance above the bottom of the water-shed, and provided centrally, or about midway between its ends, at the point where the wringer most overhangs the tub, with an opening, *c*, through which alone the water passing down the dripping-board and inclined face of the water-shed can escape.

Having described my invention, and the manner in which the same is or may be carried into effect, what I claim, and desire to secure by Letters Patent, is—

1. The horizontally-hinged dripping-boards, supported in the wringer-frame below the rolls, in combination with an intermediate support for holding in an inclined position one or the other of said dripping-boards, the latter being arranged to operate in connection with one another and said support, substantially in the manner shown and set forth.

2. The combination with the wringer-frame of the horizontally-hinged dripping-boards, supported in enlarged bearings, as specified, and the double-inclined water-shed, arranged and operating in connection with said boards, substantially as shown and described.

3. In combination with the hinged dripping-boards and intermediate support, arranged and operating substantially as above described, the centrally-perforated shields for discharging the water received from one or the other dripping-board at a point where the wringer most overhangs the tub or other vessel provided for catching the water, as shown and set forth.

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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