

E. G. W. BARTLETT.

Improvement in Wringing-Machines.

No. 132,193.

Patented Oct. 15, 1872

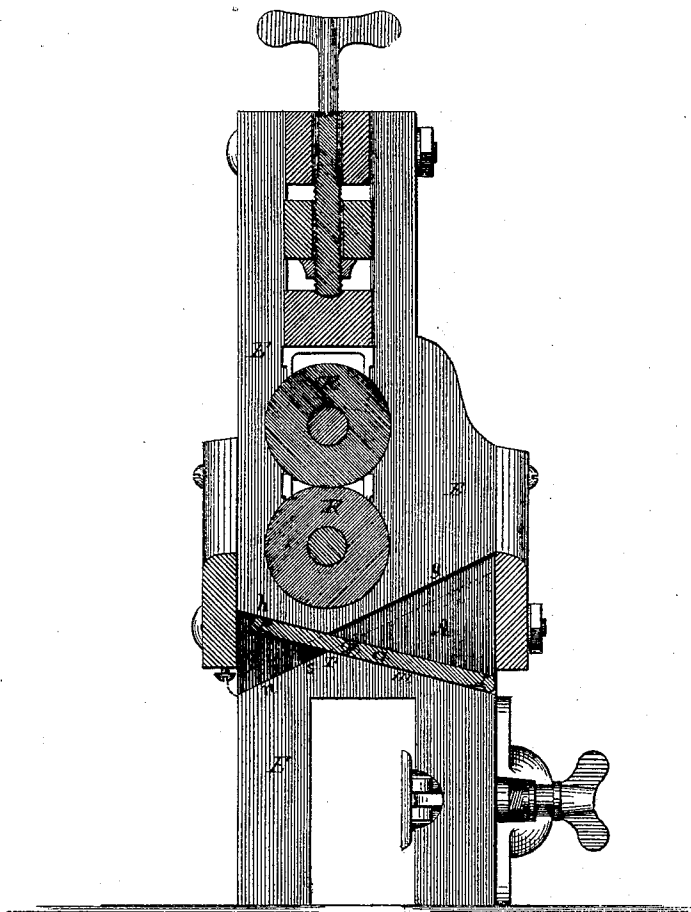


FIG. 1.

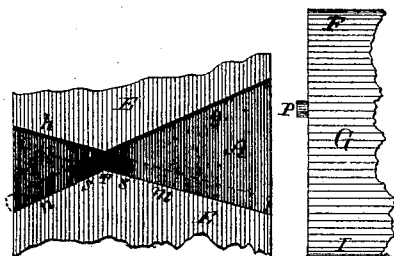


FIG. 2.

FIG. 3.

WITNESSES.

*J. Knight.
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INVENTOR.

*Elbridge G. W. Bartlett
per My F. Thurston
att'y*

UNITED STATES PATENT OFFICE.

ELBRIDGE G. W. BARTLETT, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR
TO THE PROVIDENCE TOOL COMPANY, OF SAME PLACE.

IMPROVEMENT IN WRINGING-MACHINES.

Specification forming part of Letters Patent No. **132,193**, dated October 15, 1872.

To all whom it may concern:

Be it known that I, ELBRIDGE G. W. BARTLETT, of the city and county of Providence and State of Rhode Island, have invented a new and useful Improvement in Wringing-Machines, of which the following is a specification, referring to the drawing hereto attached making part of the same.

My improvement relates to the construction and arrangement of the chute or guide-board which conducts the extracted water from the rollers back into the tub from whence it came; and consists in constructing said chute or guide-board with parallel ends and a pintle or stud at each end to vibrate and slide in suitable ways or guides formed in the upright frame-work of the machine, in a manner to provide for reversing the inclination of the chute or guide-board and hold it in position to conduct the extracted water from the rollers into a tub placed on either side of the same, as may be required.

In the said drawing, Figure 1 is a vertical section through the central part of the wringing-machine from front to rear. Fig. 2 is a divided section of one of the uprights of the frame, showing clearly the ways or guides in which the chute or guide-board vibrates and slides. Fig. 3 is a view of one of the parallel ends of the guide-board with the pintle thereon.

Similar letters mark like parts in all the figures.

The wringing-rollers R R are mounted in two upright stands, E, of a frame in suitable bearings, and with the usual appliances for governing the action of the rollers. The guide-board G is made sufficiently broad, and is so arranged beneath the rollers that the water which is extracted from the clothes by passing between the rollers will fall upon the board and be conducted by it back into the tub from which it was taken with the clothes, or on whichever side of the rollers the guide-board is inclined; and in order to shift the board readily from one inclined position to that for conducting the water in the opposite direction from the rollers, I hold the guide-board be-

neath the rollers by the two ends, supporting it on one of two oppositely-inclined surfaces, *m n*, of an angular recess, A, cut in each side of the uprights E, as shown in Fig. 2, with the uppermost part of the board resting against one of the upper surfaces *g h* of said recess; and in order to secure the guide-board from sliding out of the recess or tilting in the opposite direction from that intended, I provide a pintle or stud, P, on the end *s* of the guide-board, as shown in Fig. 3, and a deeper groove, S, within the recess, on both sides of the tilting point T, for the reception of the pintle P, by which arrangement the sliding movement of the guide-board is limited to the length of the groove S from one side over the tilting point T to the end of the groove S on the other side thereof. The pintles P, it will be seen, are arranged nearer to one edge, F, of the guide-board than to the other, I, by which the greater weight of the longer side of the board keeps it in place when this part of the board is down, as shown in Fig. 1; but when the board is reversed and inclined in the opposite direction, as shown in dotted lines, the weight of the longer side of the board produces a pinch or binding action between the tilting point T and the pintle in the end of the groove S, which holds the board in this position securely without the intervention of any special fastening or device for the purpose. Thus it will be seen that by the arrangement of the inclined surfaces or ways of the recess A and the groove S with the pintles P on the parallel ends of the guide-board, arranged as described, the guide-board may be inclined and held firmly in position to conduct the water on either side of the rollers, as may be required.

What I claim is—

The combination and arrangement of the recess A and groove S with the pintles P and parallel ends of the guide-board, substantially as described, for the purpose specified.

ELBRIDGE G. W. BARTLETT.

Witnesses:

BENJ. F. THURSTON,
I. KNIGHT.