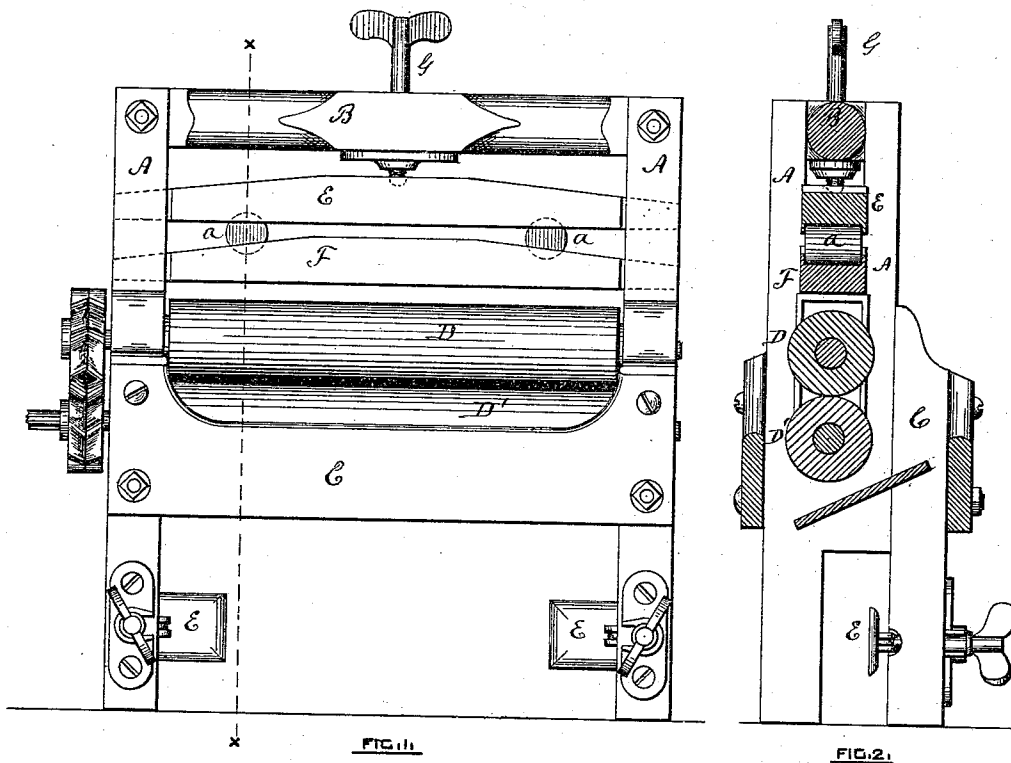


E. G. W. BARTLETT.

Improvement in Clothes-Wringers.

No. 126,173.

Patented April 30, 1872.



WITNESSES.

Peter H. Lynde
Edwin C. Pierce

INVENTOR.

Elbridge G. W. Bartlett

UNITED STATES PATENT OFFICE.

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

IMPROVEMENT IN CLOTHES-WRINGERS.

Specification forming part of Letters Patent No. 126,173, dated April 30, 1872.

To all whom it may concern:

Be it known that I, ELBRIDGE G. W. BARTLETT, of the city and county of Providence in the State of Rhode Island, have invented a new and useful Improvement in Clothes-Wringers; and I do hereby declare that the following specification, taken in connection with the drawing making a part of the same, is a full, clear, and exact description thereof.

Figure 1 is a front elevation. Fig. 2 is a sectional view upon the line *xx* of Fig. 1.

My improvement relates to a means for applying a yielding pressure to the journal-boxes of one of the rollers of the pair which perform the function of squeezing the water or other liquid from the clothes which are passed between them.

A A are the standards of the frame of the wringing-machine; B C, the cross-bars uniting the standard; and D D', the squeezing-rollers, all as in machines of common construction. Such machines should also have a clamp or clamps, E, for attaching it to a tub, and the rollers D D' may or may not be geared together. The upper roller D, in this as in other machines for similar purposes, is arranged so that the boxes for its journals can be raised to a limited extent, for the purpose of allowing the rollers to separate sufficiently to permit articles of varying thickness to be passed between them. At the same time, the surfaces of the rollers are made to exert a constant pres-

sure upon the clothing by means of a spring or springs applied in combination with such rollers. In the present case the spring from which the necessary yielding pressure is obtained is constructed and arranged as follows: E is a bar of hard wood, or other suitable material, extending from standard to standard, and resting upon the boxes of the upper roller. F is a similar bar placed parallel with the first, with its ends extending into slots or openings in the standards, and supported by two or more cushions of rubber, *aa*, for which coiled springs may be substituted; and which cushions are held in place by recesses or pockets cut in both bars, and which, together, act to prevent the spring from becoming displaced. G is an adjusting-screw, which works in a nut set in the top cross-bar B, which unites the two standards, and by means of which the degree of pressure to be exerted by the springs can be increased at pleasure.

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

The bars E and F, the interposed springs *a*, the cross-bar B, and adjusting-screw G, in combination, and constituting an adjustable spring for a clothes-wringer, substantially as described.

ELBRIDGE G. W. BARTLETT.

Witnesses:

PETER F. HUGHES,
EDWIN C. PIERCE.