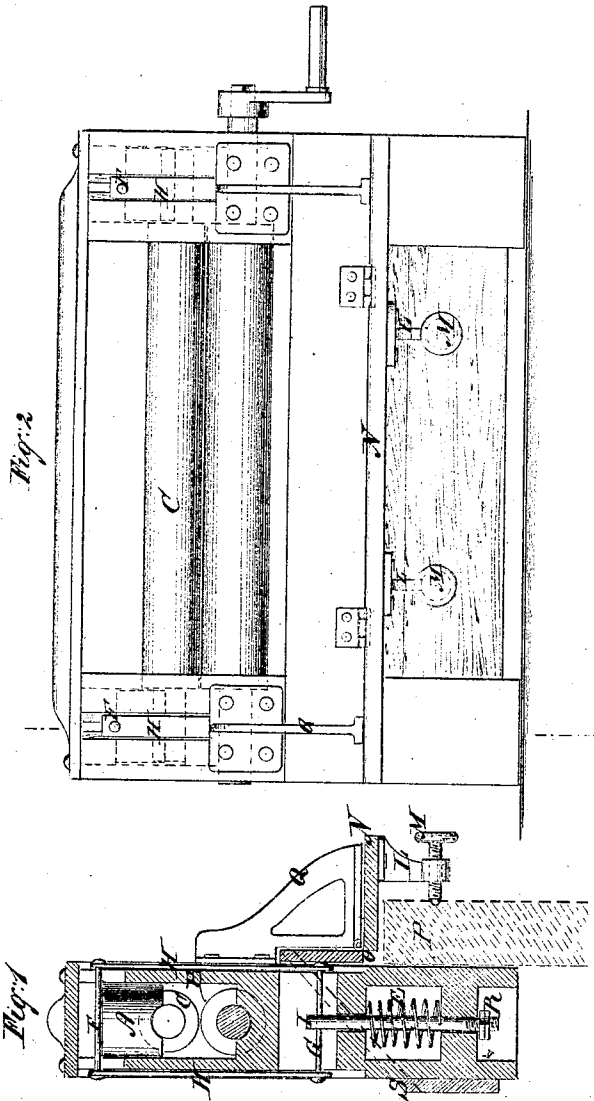


*A. Magowan,*

*Wringer.*

*No. 101,749.*

*Patented Apr. 12, 1870.*



Witnesses:  
*L. S. Mabeu.*  
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PER *[Signature]*  
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# United States Patent Office.

ALLEN MAGOWAN, OF TRENTON, NEW JERSEY.

Letters Patent No. 101,749, dated April 12, 1870.

## IMPROVED CLOTHES-WRINGER.

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

### To all whom it may concern:

Be it known that I, ALLEN MAGOWAN, of Trenton, in the county of Mercer and State of New Jersey, have invented a new and improved Clothes-Wringer; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to improvements in clothes-wringers; and consists in an improved arrangement of the presser-springs in connection with the sliding valve; also, in an improved arrangement of the support for the brackets holding the set-screws, by which the wringer is attached to the tub or other support.

Figure 1 is a transverse sectional elevation of my improved wringer, and

Figure 2 is a side elevation of the same.

Similar letters of reference indicate corresponding parts.

A represents a block, placed in the hollow housing B, which supports the journal of the sliding roller C, so as to bear on the upper side of the journal, and move up and down with it, one such block being placed above each journal.

These blocks are held down upon the journal by the springs E, in hollow spacings in the housings below the rollers, to which springs they are connected by the cross-bars F G, the links H, and the rods I, all arranged and connected, as shown in the drawings.

The rods I have adjusting screw-nuts, K, screwing

against the bottoms of recess in the cam ends of the posts, to produce the necessary tension on the springs.

The brackets L, for the support of the clamping-screws M, are attached to plates N, hinged at O to the side of the frame of the machine, so that, when not in use, the plate will swing down against the said side and be less in the way than if projecting therefrom, as when required for use.

The plate N is supported in the projecting position for clamping to the side P of the tub, by the spring brackets Q, attached to the side of the machine above the joint O, where the plates N are hinged.

An oblique plate, S, is placed under the rollers to shed the water back into the tub.

Having thus described my invention,

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

1. The combination with the sliding roller C, of the blocks A, cross bars F G, links H, rods I, springs E, and adjusting-nuts K, all arranged substantially as specified.

2. The attachment of the support of the clamping screw-brackets L to the frame, to swing down against the side when not in use, and to be supported when in use by the brackets Q, substantially as specified.

The above specification of my invention signed by me this 6th day of December, 1869.

ALLEN MAGOWAN.

Witnesses:

GEO. W. MABEE,  
JACOB D. JOSLIN.