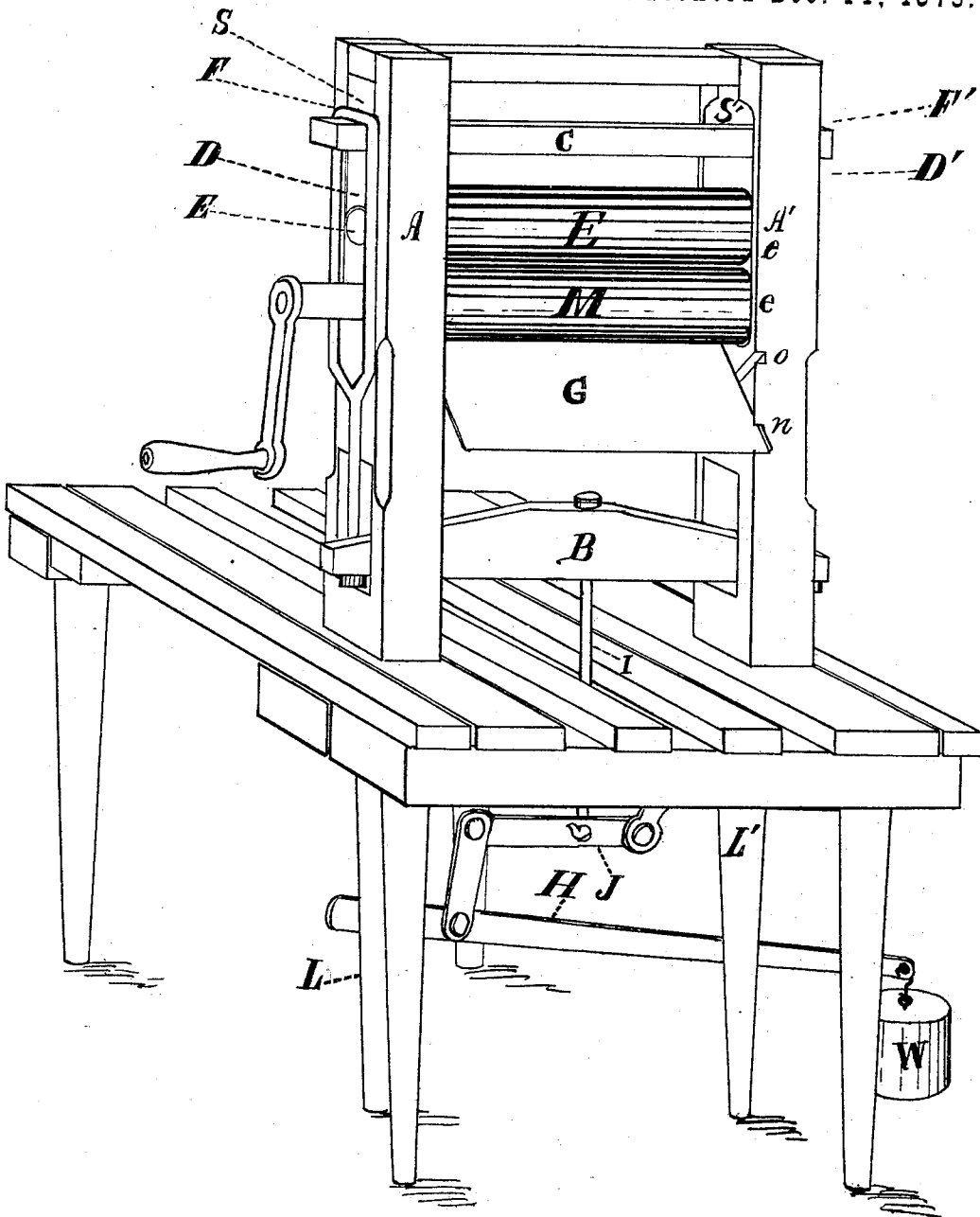


J. A. WILSON.

WRINGER.

No. 170,977.

Patented Dec. 14, 1875.



Witnesses

C. M. Mosfield
Geo R. Barrett

Inventor

Joseph A. Wilson

UNITED STATES PATENT OFFICE

JOSEPH A. WILSON, OF CHESTER, VERMONT.

IMPROVEMENT IN WRINGERS.

Specification forming part of Letters Patent No. **170,977**, dated December 14, 1875; application filed February 26, 1875.

To all whom it may concern:

Be it known that I, JOSEPH A. WILSON, of Chester, in the county of Windsor, State of Vermont, have invented an Improvement in Clothes-Wringers, of which the following is a specification:

My invention relates to apparatus for wringing the water from clothes by passing them between rollers turned by a crank.

My improvement consists in making the rollers self-adjusting, so that any thickness of cloth may be passed between them without requiring any alteration of their position.

Figure 1 is a perspective view of my combined wringer and bench.

C is a cross-bar, sliding up and down in slots S S' cut in the posts A A'. Immediately under it, in the slots S S', are blocks D D', (D alone is visible in the drawing, D' being concealed by the post A',) which move freely up and down, and rest upon the axle of the upper roller E, which also fits the slot. F is one of a pair of iron rods, which connect the ends of the bar C with the ends of the lower cross-piece B. The iron rod I connects the cross-

piece B with the combined levers H J under the bench. The lever H is pivoted to the leg of the bench L, and carries the weight W at its extremity.

It will be readily seen that when any thick article is inserted between the rollers the upper one will rise, but will yet exert a constant pressure, being forced downward by means of the weight W, acting through the combined levers H J, the rod I, the cross-piece B, the rods F F', the cross-bar C, and the blocks D D'. The rollers are thus rendered self-adjusting.

I claim as my invention—

The combination of the rollers E M with the blocks D D', the cross-bar C, the rods F F', the cross-piece B, the rod I, the levers H J, and the weight W, all constructed and operating substantially as and for the purpose described.

JOSEPH A. WILSON.

Witnesses:

C. M. MAXFIELD,
GEO. R. BARRETT.