J. O'Donald,

Wringer,

No. 51,743, Patented Dec. 26, 1865.

Fig. 1.

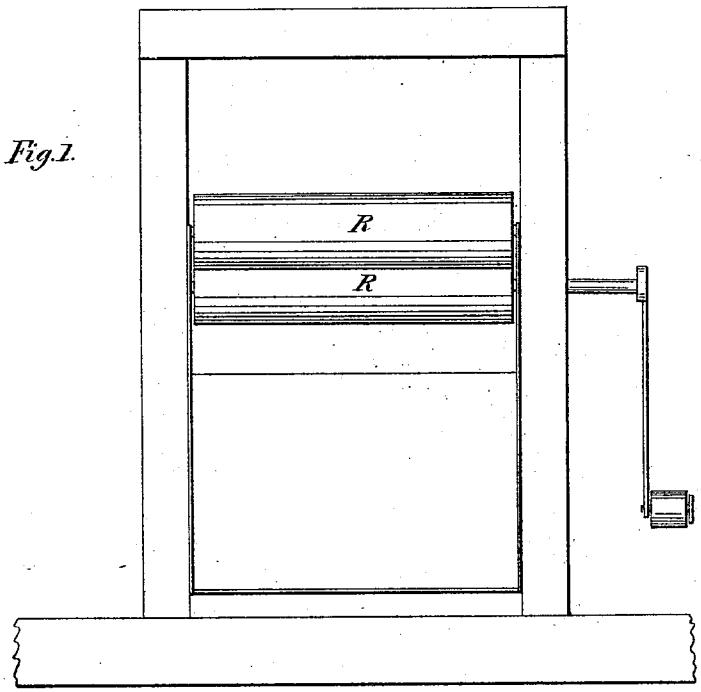


Fig. 2.

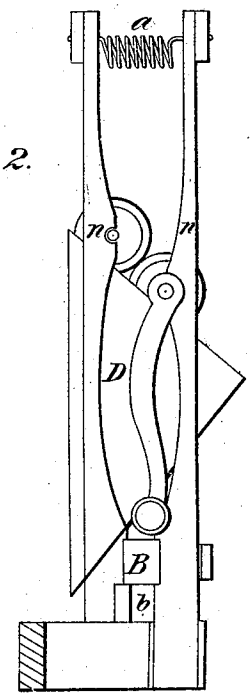
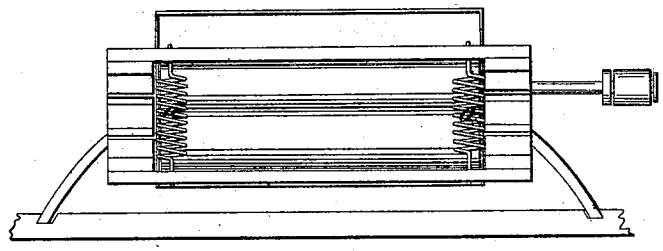


Fig. 3.



Witnesses;
J. Clement Smith
Fred B. Ginn

Inventor;
James O'Donald
By
D. E. Stones & Co.
Attys

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES O'DONALD, OF CLINTON, ILLINOIS.

CLOTHES-WRINGER.

Specification forming part of Letters Patent No. **51,743**, dated December 26, 1865.

To all whom it may concern:

Be it known that I, JAMES O'DONALD, of Clinton, in the county of De Witt and State of Illinois, have invented a new and valuable Improvement in Clothes-Wringers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of my said improvement, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, said drawings making a part of this specification.

The object of my invention is to provide a clothes-wringer which shall combine all the valuable qualities of those heretofore invented, but which in cheapness and simplicity shall surpass them all. It also contemplates better means than have heretofore been devised for attaching the wringer to a tub or sink, a better dripping-board for conducting the suds from the garments passing through the rollers, and simpler and cheaper means for allowing the rollers to separate when passing between them large or uneven garments.

To accomplish these objects I construct a frame with four scooped or hollowed spring-posts, two of which are represented on Figure 2, and the other two are identical therewith, except the beveled portions thereof near their bottoms, as hereinafter described. These posts are connected at the top by two spiral springs which pass through cross bars or slats attached to said posts, as shown on all the figures. One of these spring is shown on Fig. 2 marked A, and both of them are represented on Fig. 3 by the same letter. The bottoms of these posts are united by a cross-bar, which is clamped closely between them by means of bolts, nuts, and screws, which pass through the posts and the cross-bar about three inches from the bottom of said posts, as shown at B on Fig. 2. The lower ends of these posts are kept apart by the said cross-bar, and the slot or opening thus left is adapted to the side of a circular tub by beveling one-half of the inside surface of each post diagonally, the one inward and the other outward, as shown at letter C on Fig. 2. The other half of said inside surfaces are left without beveling, and thereby the machine is adapted to the straight side of a sink or box.

The dripping-board is made in a triangular form, as shown by the letter D on Fig. 2. Its front projects above the point of junction between the rollers. Its sides rest against the posts of the frame, while its rear is placed at a considerable distance from the rollers, in order to catch suds that may be thrown therefrom by any sudden turning or splashing of the wet garments.

I adjust the rollers in my wringer in a diagonal position, as shown on Fig. 1, by placing the ends of the shafts thereof in bearings on the inner sides of said posts, as represented on Fig. 2. These rollers are marked R. This method of adjustment, in combination with the two springs A and the scooped or hollowed portions of the posts, allows the rollers to separate to any desired extent when a large garment is passed between them, and after such garment has passed the springs A bring the rollers back to their original position.

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

The spring-posts N and the spring A, in combination with the rollers R, dripping-board D, and the device for attaching the wringer to a tub or box, substantially as described.

JAMES O'DONALD.

Witnesses:
G. W. PHILLIPS,
J. T. CLARK.