

J. DARLINGTON.
Washing-Machines.

No. 146,578.

Patented Jan. 20, 1874.

Fig. 1.

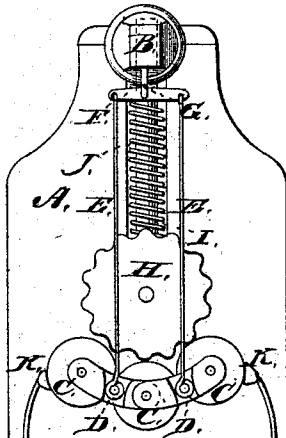


Fig. 2.

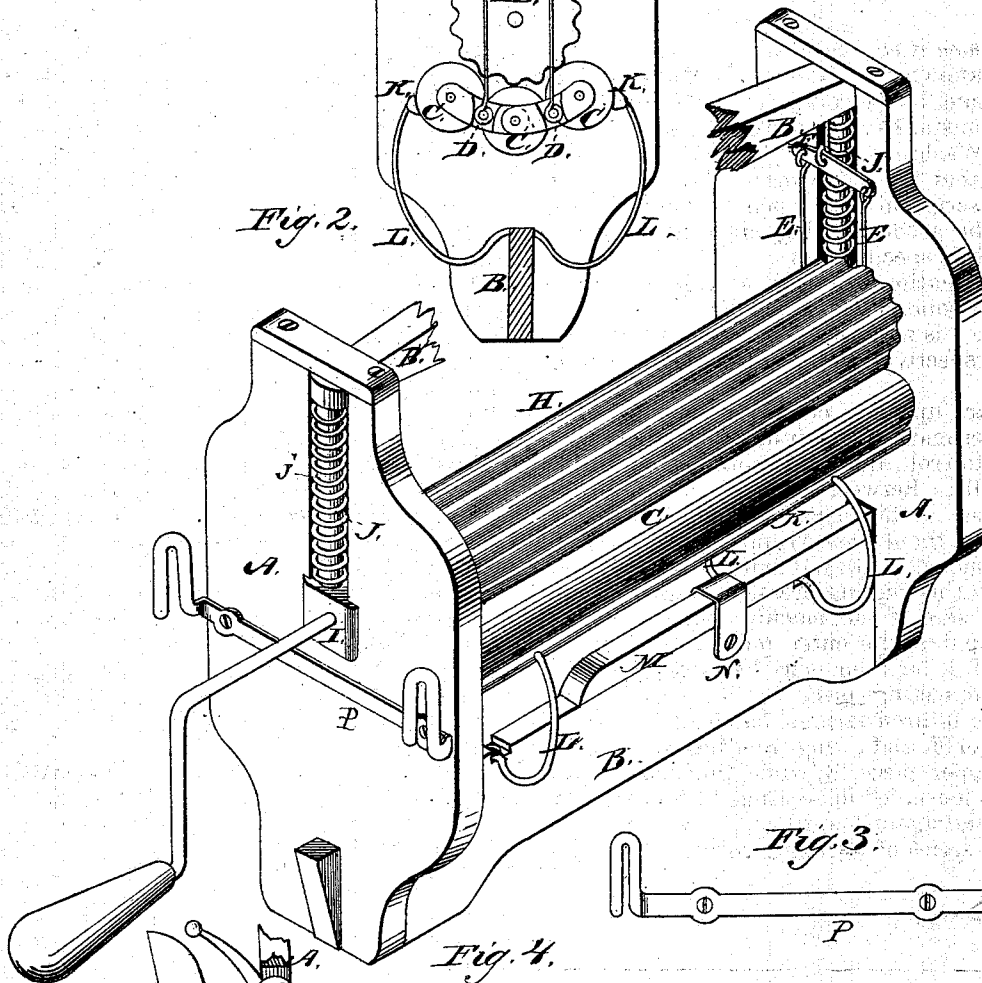
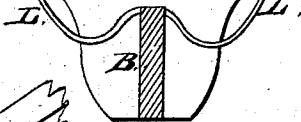


Fig. 3.

Fig. 4.

Witnesses,
J. L. Corning
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Inventor

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UNITED STATES PATENT OFFICE.

JOHN DARLINGTON, OF MAZOMANIE, WISCONSIN.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **146,578**, dated January 20, 1874; application filed March 29, 1873.

To all whom it may concern:

Be it known that I, JOHN DARLINGTON, of Mazomanie, in the county of Dane and State of Wisconsin, have invented a new and Improved Washing-Machine; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification.

The invention will first be fully described and then pointed out in the claims.

Figure 1 is a cross-sectional elevation; Fig. 2, a perspective, and Figs. 3 and 4 detail, views.

A A are uprights connected at the upper and lower ends by longitudinal piece B. H is a fluted top roll, and C C C bottom and smaller plain rolls. Between rolls H and C clothes are passed in the usual way, while, in order to prevent them from wrapping, and to cause them to move evenly and suffer a uniform compression, I use spring-pressed guards K—one on each side of the machine—and pressing lightly against the outer rolls C C. Suitable springs L L for them may be fastened on the lower connecting-piece B. The rolls C are journaled in arc-bearings, balanced by rods E E on lever F, and swing from link G attached to the upper piece, B, while the large fluted roll H is journaled in bearings I I that slide on rods J' and against springs J. By thus combining a series of swinging lower rolls and a

large spring-pressed top roll, the one pair of springs J J keep all the rolls in their true relative position, and do it more effectually than is usually the case, the roll H regulating the position of the subjacent rolls C. M is a bar held by and sliding in a clip, N, on lower piece B, provided on one end with the pivoted shoe m, and fastened by the cam-lever O in any desired position. P is a hook-bar, which is made fast to one of the side pieces A, and fastened to eyes on the inside of tub, while the bar M that slides through the other side abuts against the opposite side of tub, its shoe m adjusting itself to any inclination. By this device, my machine may be applied to tubs greatly varying in size.

This machine, in its practical operation, works with great facility and efficiency.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the rolls C, of the spring-pressed guards K K—one on each side—as and for the purpose described.

2. The rolls C C C, journaled in swinging bearings, and the roll H, in sliding bearings, in combination with the springs J J, as and for the purpose set forth.

JOHN DARLINGTON.

In presence of—

J. C. COWDERY,
B. P. COWDERY.