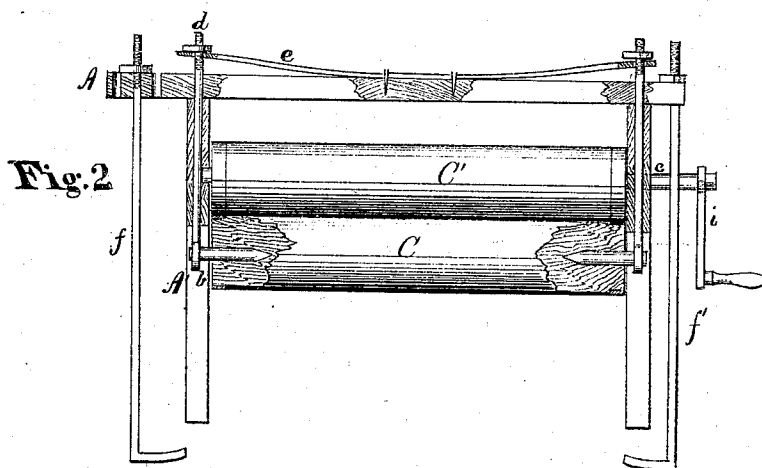
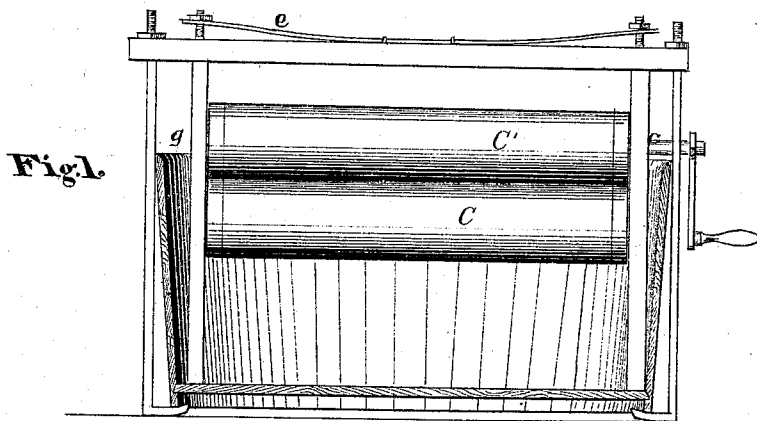


P. Weatherbee,
Washing Machine.
No. 113,227. Patented Mar. 28. 1871.



Witnesses:
Chas. Kempton
Wm. Anderson

Inventor.
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United States Patent Office.

PAUL WEATHERBEE, OF PORT WASHINGTON, OHIO

Letters Patent No. 113,227, dated March 28, 1871.

IMPROVEMENT IN WASHERS AND WRINGERS.

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, PAUL WEATHERBEE, of Port Washington, in the county of Tuscarawas and State of Ohio, have invented a new and valuable Improvement in Combined Washer and Wringer; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of my invention as applied to a wash-tub.

This invention has relation to improvements in clothes-washers and wringers; and

It consists in the combination and peculiar arrangement of rollers and devices for that purpose, herein-after described, the object being to produce a combined washing and wringing-machine, simple in construction and effective in operation.

Referring to the drawing, the vertical and horizontal portions of the frame, A' and A, are connected by a mortise-joint.

The lower portion of the frame A' is slotted, to admit the bearings *b* of the roller C, and is perforated to form bearings for the spindle *c* of the roller C'.

The bearings *b* of the roller C are made adjustable and elastic or yielding by means of the connecting-rods *d* that pass up through the frame A' A, as shown, and are connected by a screw and nut, or like means, to a spring, *e*, the back of which rests on the center of the frame A.

To the end of the spindle *c* a crank, *i*, is fixed, for the application of the hand, and to the ends of the frame A the braces *f* and *f'* are attached, the brace *f* being made adjustable by means of perforations or holes in the frame A, laterally, so as to fix the machine on and adapt it to any-sized wash-tub, *g*. The rollers may be covered with elastic or not.

To be used, the machine should be placed as in fig.

1, the frame A' inside of the tub, and the braces *f* and *f'* outside of it and under it, as shown, the nuts on the braces being turned down until the braces are drawn tightly against the bottom of the tub.

Wash-tubs vary in width, but not much in height; therefore the machine is adapted to wash-tubs of all sizes.

The operation of washing consists in saturating the clothes or goods to be washed with soap-suds, then rubbing or rolling them until the dirt is dissolved or decomposed, and then pressing out the soap-suds and dirt together, consisting of three operations, the last two of which, the rubbing or rolling and the wringing or pressing, my machine is especially designed to do, and with but little wear to the goods.

The soap-suds in the tub should come up almost or quite to the lower roller, and, as the rollers revolve, the goods should be passed between them and dropped into the suds, and the operation repeated, with alternate reverse rolling on those portions needing more than ordinary washing, until the goods are clean, when they should be passed between the rollers and kept from falling back into the suds again, which constitutes the wringing. A like operation can be gone through with in rinsing, and the washing is completed.

I claim as my invention—

The combined washer and wringer herein described, consisting of the frame A A', braces *f* and *f'*, spring *e*, bearing and connecting-rods *b*, rollers C and C', and crank *i*, all constructed, combined, and arranged substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

PAUL WEATHERBEE.

Witnesses:

JAMES WEATHERBEE,
H. H. PORTER.