

M. MALLON.

Improvement in Clothes-Wringers.

No. 129,043.

Patented July 16, 1872.

Fig. 1.

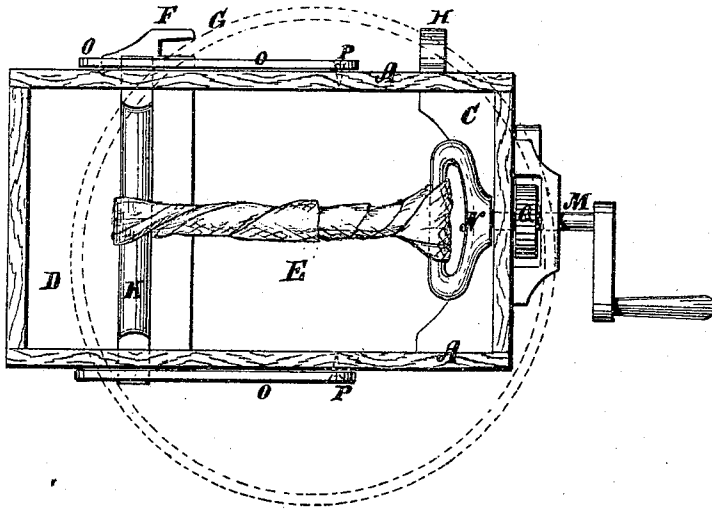


Fig. 2.

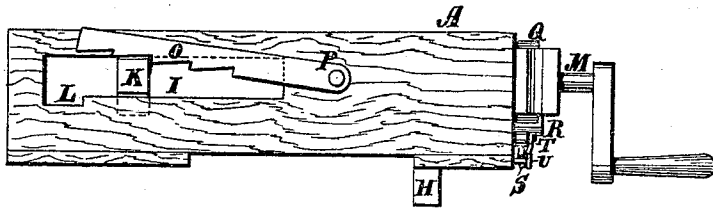
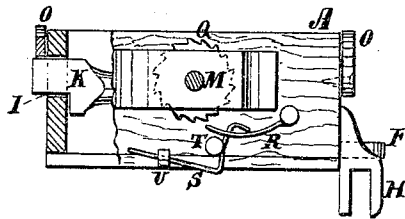


Fig. 3.



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UNITED STATES PATENT OFFICE.

MICHEAL MALLON, OF RAHWAY, NEW JERSEY.

IMPROVEMENT IN CLOTHES-WRINGERS.

Specification forming part of Letters Patent No. 129,043, dated July 16, 1872.

Specification describing a new and improved Clothes-Wringer invented by MICHEAL MALLON, of Rahway, in the county of Union and State of New Jersey.

My invention relates to that class of clothes-wringers which are arranged to twist the clothes in the manner of wringing them by hand, the clothes being attached at one end to a holder, and at the other to the end of a shaft with a hand-crank for turning it; and my invention consists of a novel construction of the case or frame of the wringer to adapt it for being readily and firmly attached to the wash-tub, and to insure the escape of the water back into the tub. It also consists of a novel arrangement of the holder to which the clothes are attached, and the apparatus for adjusting and holding it for clothes of different lengths; and it also consists of an arrangement with the twisting or wringing-shaft of a ratchet, spring-pawl, and an adjusting-lever for the latter, for holding the clothes after being twisted, to let the water drip off, all as hereinafter described.

Figure 1 is a plan view. Fig. 2 is a side elevation. Fig. 3 is a cross-section of my improved clothes-wringing machine.

Similar letters of reference indicate corresponding parts.

A represents a shallow rectangular box, made preferably of wood. C and D represent the bottom pieces, which cover only about half the area thereof, the remaining portion E being open for reaching down through to the clothes below for raising them up to be treated, and to let the water flow back. F represents a clip on one side of the box or frame, adapted to engage one side of the wash-tub handle G, and H is another clip on the same side of the frame, adapted for engaging the top of the tub to fasten the machine thereto. Said clips will have set-screws, pawls, or other contrivances to bind them fast to the tub, so that while the frame extends over and rests on the top of the tub at each end, it may by these means be very firmly secured to the tub. The two long sides of the frame have each a long slot, I, through

which a cross-bar, K, for holding the clothes, extends, and at one end said slots are deepened a little, as shown at L, for holding the said cross-bar at that end for the longest pieces that may be treated between said bar and the twisting-shaft M in the opposite end of the frame, which said shaft is provided with a large slot or eye-piece, N, for attaching the clothes, as shown in Fig. 1, but for shorter clothes, which will not reach between these two extremities, the bar K is lifted out of the notches L and moved along toward the crank-shaft, and held by the holding-pawls O pivoted to the frame at P, and having several notches for holding it at different distances from the crank-shaft. The crank-shaft M has a ratchet-wheel, Q, on it outside of the case, with which a spring-pawl, R, is provided to hold it when the clothes are twisted up, and a bent lever, S, is provided with this spring-pawl to throw it out of connection with the wheel, and hold it out when it is desired to untwist the clothes. Said lever is pivoted to the frame at T, and is sprung over a stud-pin, U, as shown in Fig. 3, to hold the pawl out of the ratchet-wheel. The cross-bar K, and the eye-piece N, are calculated to allow the clothes to be readily attached and detached by doubling them over the bar and passing the ends through the eye, and then lapping them back on the parts stretched between said eye and bar. If the frame be made so long as to extend considerably beyond the tub the bottom pieces D and C will be correspondingly extended to carry the water back into the tub. I propose to have an opening formed in the rod or bar inclosing the eye for the attachment of the clothes to the twisting-shaft, to facilitate the attachment.

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

1. The clothes-wringer frame comprising the box A, bottom pieces D and C, and the clips F and H, all constructed, combined, and arranged substantially as specified.

2. The frame having the slots I L in the sides, the cross-bar for holding the clothes,

and the holding pawls O with a series of notches, all arranged for adjusting the said cross-bar, and holding it in different positions as specified.

3. The twisting-shaft provided with a ratchet-wheel and spring-pawl, and the latter provided with a lever, arranged for holding

it out of contact with said wheel, or allowing it to engage therewith, substantially as specified.

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