

C. E. HAYNES.
Clothes-Wringers.

No. 138,803.

Patented May 13, 1873.

Fig. 3

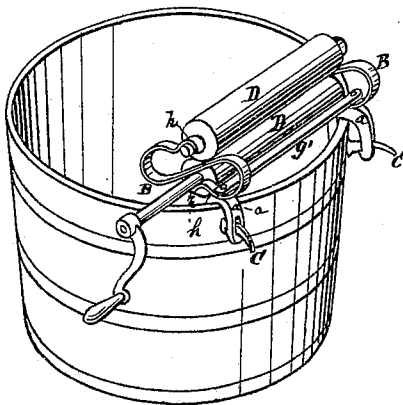


Fig. 1.

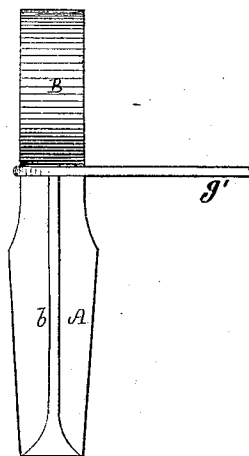
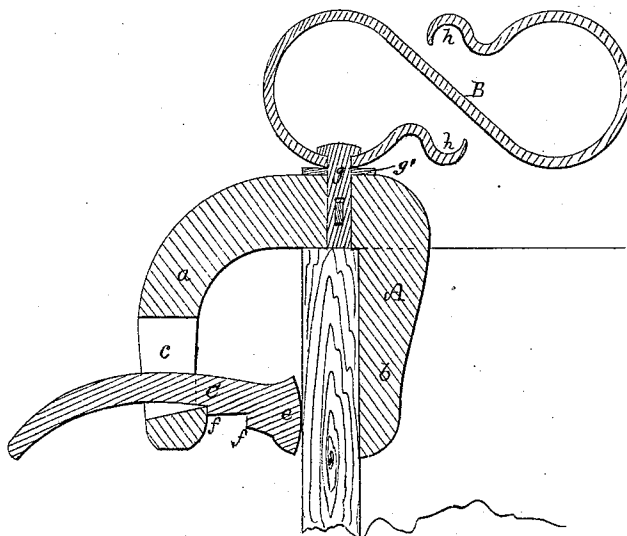


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

CORNELIUS E. HAYNES, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND WILLIAM H. HENDERSON, OF SAME PLACE.

IMPROVEMENT IN CLOTHES-WRINGERS.

Specification forming part of Letters Patent No. **138,803**, dated May 13, 1873; application filed March 28, 1873.

To all whom it may concern:

Be it known that I, CORNELIUS E. HAYNES, of Boston, Suffolk county, Massachusetts, have invented certain Improvements in Clothes-Wringers, of which the following is a specification:

This invention relates to a simple, inexpensive, and effective manner of constructing the standards or frames of clothes-wringing machines; and consists of a furcated base or clasp for attachment to a tub, provided with a peculiar clamping latch or cam, and an S-shaped spring for supporting the rolls, and pivoted to a furcated base by means of a vertical bolt, the entire device, with the exception of the spring, being of cast metal, and the parts being of such form that no fitting is requisite to bring them together in their proper relation to each other.

The drawing accompanying this specification represents, in Fig. 1, an edge view, and in Fig. 2, a vertical and central section of one of the supporting end standards, of a clothes-wringer containing my invention.

In the drawing, A denotes a stout furcated block or clasp, the two arms or jaws *a b* of which embrace the side or wall of a tub. In the lower part of the outer jaw *a* I create a slot, *c*, and within this slot I dispose loosely a latch or curved bar, C, whose head *e* is situated within the fork of the block A, the outer face of such head being eccentrically or obliquely disposed with respect to the inner jaw *b*, a tooth or shoulder, *f*, being formed upon the latch, which engages with the lower boundary of the slot, as shown in Fig. 2 of the drawing. When the block A is placed astraddle of the side of the tub the handle of the latch C is depressed, which forces the head *e* upward and inward against the outside of the tub, and clamps the whole device firmly to the tub. B in the accompanying drawing represents a compound or duplex spring composed of thick ribbon-steel, bent into the form, substantially, of a letter S, this spring being swiveled or pivoted to the upper part of the base or block A by a vertical bolt, *g*, which passes through one end or bow of the spring and the upper part of the block A, and is secured in place by

a key which passes through a slot formed in the lower end of the bolt and bears upon the adjacent part of the base. Each end of the spring B terminates in a semicircular or concave bend, *h*, as shown in Fig. 2 of the drawing, these bends being disposed opposite each other and being for the reception of the journals of the two rolls.

The entire device above explained, with the exception of the spring—which, of course, is to be of steel—is to be cast in metal with each part complete, so that no filing, boring, or finishing is requisite to attach them properly together. For this reason I am enabled to finish the standard at very low cost.

The peculiar form of the spring B gives me great variation in order to adapt the rolls to great inequalities in size or bulk of articles passed between them, as each bend is in itself a spring.

The latch C constitutes a simple and powerful means of clamping the base A to the tub.

In Fig. 3 of the drawing is shown a complete wringer made in accordance with my invention, as above described, said wringer being represented as attached to a tub. D are the wringer-rolls having their journals supported in the bearing *h h* of springs B in the manner represented. The springs and legs are held together by a cross-bar, *g'*, or other suitable connecting-frame.

Claims.

I claim—

1. In a clothes-wringer, the roller carrying springs B, formed substantially as shown, and provided with bends *h* for receiving the journals of the rolls, substantially as and for the purposes described.

2. In combination with the furcated block A formed with a slot, *c*, in one of its legs, the latch or clamp C provided with one or more notches, *f*, and arranged to operate substantially as shown and set forth.

CORNELIUS E. HAYNES.

Witnesses:

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