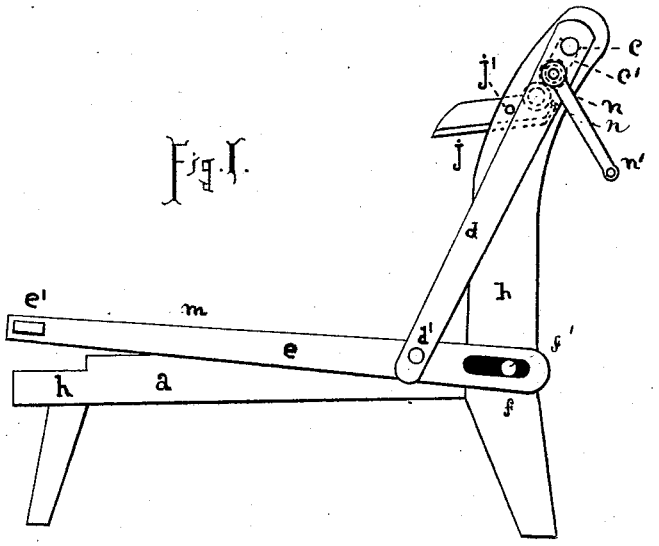
C. F. HORNBECK.

Wash-Bench and Wringer.

No. 163,870. Patented June 1, 1875.

Fig. 1.



S. J. Parker.
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Witnesses.

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UNITED STATES PATENT OFFICE.

CORNELIUS F. HORNBECK, OF SLATERVILLE, NEW YORK.

IMPROVEMENT IN WASH-BENCHES AND WRINGERS.

Specification forming part of Letters Patent No. **163,870**, dated June 1, 1875; application filed February 11, 1875.

To all whom it may concern:

Be it known that I, CORNELIUS F. HORNBECK, of Slaterville, in the town of Caroline, Tompkins county, New York, have invented an Improved Wash-Tub, Bench, and Wringer, of which the following is a specification:

My invention relates to a wash-tub, bench, and wringer made in one article; and the nature of my invention will be apparent as I describe it.

Figure 1 is a side elevation of my bench and wringer.

Most of the parts represented in Fig. 1 are duplicated on the opposite side of the bench; and *a* is the bench, with short legs in front, and longer legs, *b*, at its rear, so that the bench is lower in front than in the rear; and these longer legs *b*, near their top, are inclined rearward, so that they hang over a basket when placed beneath their concavity, and thus facilitates the falling of the clothes from the rollers of the wringer into the basket. Near the top of these posts *b* are seen the ends of the common rubber rollers of a wringer, indicated by dotted lines about their metallic shafts, so the shaft of the upper roller is attached to the crank *n'*, by which the rollers *n n*, with or without the common cogs, used to render more certain the turning of the rollers, as is well known. At *c* is seen the round end or pivot of a plain cross piece or bar, which extends across the space between the posts *b*, above and clear of the rollers, and connecting the two rods *d* on each side of the bench. By an intermediate bearing piece or rod, *c'*, (seen by dotted lines,) the pressure made on the cross-piece *c* is communicated to the upper roller *n*, and thus it is crowded down on its fellow roller just beneath it, and makes the wringing pressure of the rollers. From the round end of the cross-piece *c* rods *d* on both sides of the bench, extend downward, and at *d'* are fast by pivots to the levers *e* of the platform *m*. This platform is made by two such levers, on opposite sides of the bench, united by one or more cross platform-pieces, *e'*, a tenon of one of which is seen in the figure. At *f* is a slot about a pivot in it, *f'*, which pivot is fast in the post *b*, and as the tub, put on the platform at or near *m*, contains more or less water and clothes, varying as the washing goes on, the wringing pressure is adjusted by this slot, as thereby the distance between the pivots *d'* and *f'* is increased or diminished; for it is apparent that the hands of the operator, taking hold of the levers *e* or cross platform-piece *e'*, and lifting the platform and tub on it, can slide the whole on the fixed pivot *f*, by means of this slot, backward or forward at pleasure. If the distance is lengthened when the tub is full the strain on the rods *d* will be equalized to the same degree as when empty it is shortened by lessening the distance between the pivots, and thus the wringing pressure by the rods *d* on the cross-piece *c*, and the bearing pieces or rods *c'*, and on the wringing-rollers *n*, is made the same, or suitable to the desired wringing. The notch *h* has nothing to do with the adjustment of pressure of the platform on the rollers, but merely prevents injury to the parts I have described, in case too great a load is by any means put on the platform. A spout, *j*, hinged at *j'*, is seen beneath the wringer-rollers. The front legs are made a little shorter than the rear legs *b*, that the bench *a* may be slightly inclined, in order that the tub may stand at a more nearly equal average level than would be the case if the platform-lever *e* did not go both above and below the level line of the bench, if at a true level, and in this the notch *h* aids. It is also clear that the cross-piece *c* and the bearing-pieces *e'* are not absolutely necessary, even though I prefer to use them, because the rods *d* can be attached to the ends of the upper roller *n*, and not to the cross-bar.

The advantages and uses of my invention are apparent to those skilled in the art to which it appertains.

I claim—

The combination of the adjustable lever-platform *m e e'*, having a slot, *f*, with rods *d*, pivots *d' f'*, upper cross-bar *c*, bearing-rods *c'*, wringer-rollers *n*, curved posts *b*, and bench *a*, as set forth.

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Witnesses:

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