P. H. COONEY.

Combined Wash-Bench and Wringer.

No. 202,155. Patented April 9, 1878.

Fig. 2.

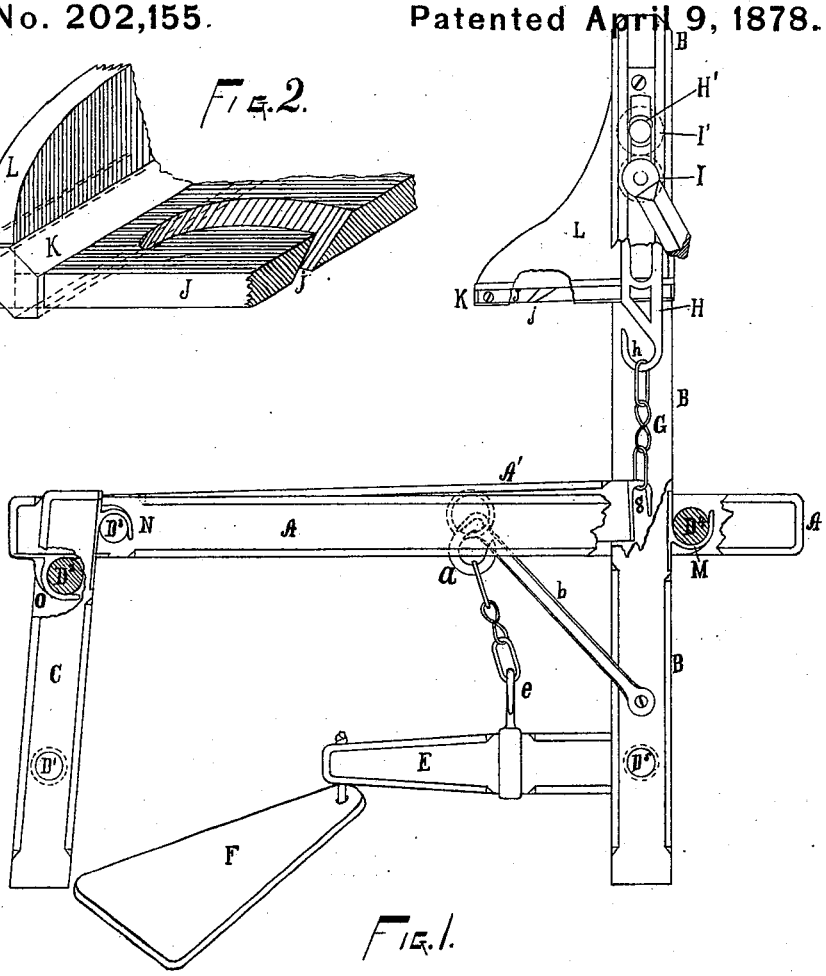

Fig. 1.

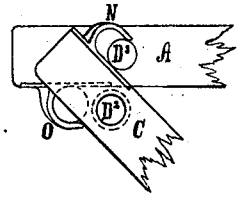

Fig. 3.

Witnesses,

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UNITED STATES PATENT OFFICE.

PATRICK H. COONEY, OF ERIE, PENNSYLVANIA.

IMPROVEMENT IN COMBINED WASH-BENCH AND WRINGER.

Specification forming part of Letters Patent No. **202,155**, dated April 9, 1878; application filed December 17, 1877.

To all whom it may concern:

Be it known that I, PATRICK H. COONEY, of Erie, in the county of Erie and State of Pennsylvania, have invented a new and useful Combined Wash-Bench and Wringer; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to the construction of what is known as a "combined wash-bench and wringer."

My device is shown in the accompanying drawings, as follows:

Figure 1 is a side elevation of my device, with parts broken out, where necessary, to show the device more perfectly. Fig. 2 shows the manner of constructing the drip-trough. Fig. 3 shows the manner in which the legs of the bench are attached and detached.

The frame-work which supports and sustains the wringer mechanism also serves as a support for the wash-tub. The construction and arrangement of this frame-work form the first part of my invention. It consists of the two horizontal bars A, connected by the two rungs D^3 and D^4, and the uprights or legs B and C, of which B are extended up so as to form the frame-work proper of the wringer. These uprights B are connected by the rung D^5 at the bottom, and by another rung or cross-tie at the top.

The legs C are connected by the rungs D^1 and D^2. The uprights C and B are attachable to and detachable from the horizontal bar-frame. The manner in which this attachment is made is as follows, so far as the legs C are concerned: On the inside of the legs is a hook, N, and on the under side of the bar A is another hook, O. The hook N engages with the rung D^3, and the hook O with the rung D^2. Fig. 3 shows the manner in which these parts are brought into contact, and Fig. 1 shows them in position. When the bench is set up in position, as shown in Fig. 1, the legs stand and hold solid. When it is desired to put the bench away in small compass, the legs can be detached at once. When a plain wash-bench without a wringer is desired, the frame-work A can be supplied with legs C at each end; but, as in the present case, when a wringer is in combination, the uprights B are made detachable, as follows: On the outside of the uprights is provided a hook, M, which engages with the rung D^4, and a hook-brace, *b*, is provided on the opposite side of the upright B. This holds the upright B in position. When the hook-brace *b* is unhooked and the upright B is thrown out at the top, the hook M will disengage and the part B is wholly disengaged from the frame-work A.

The wringer and its connections, which form the second part of my invention, are constructed as follows: I I′ are the rollers, which are journaled in a slot in the uprights B. To secure a pressure or tension to the rollers, I provide at each end of the rollers a stirrup-iron, H, which has a half-box form at H′ on the top of the shaft of the upper roller I′. This stirrup-iron reaches down along the inside of the post B. There are two of the stirrup-irons—one on each end of the roller. The lower end of the stirrup-iron is formed like a hook, as at *h*, and the chain G connects it with a hook, *g*, on the end of a lever, A′. This lever A′ reaches back to the back end of the frame A, and is then journaled on the rung D^3. There are two of the levers A′, to correspond with the two stirrup-irons, and near the hook end of the same they are connected by a cross-tie. Thus a separate and auxiliary frame-work, A′, is provided within the frame-work A. The chains G are of such a length as to hold the frame-work A′ somewhat above the frame A. The object of this is that the weight of the tub and contents will rest on the lever frame-work A′, and will, through the stirrup-irons H, produce a pressure upon the rollers.

In case the weight of the tub and contents is not sufficient to produce the necessary pressure, I have provided means for adding pressure by a foot-treadle arrangement, as follows: F is the treadle. E is a lever, which is journaled on rung D^5, and a hook-and-chain arrangement, *e a*, connects it with the lever A′. Thus the weight of the tub and contents can be supplemented by the action of the foot upon the treadle F.

I provide the rollers with a drip-trough for carrying the expressed water back into the tub. Drip-troughs in this connection are old.

This part of my invention relates to the manner of constructing the trough. The bottom J and sides L of this trough are of wood, and

they are connected together by the mortised angle-iron K. (See Fig. 2.) The angle-iron also prevents the parts of wood from warping. The bottom board J is provided with a slanting or diagonal slot, *j*, the object of which is to allow the drip to pass into the tub while clothes are passing up along the outer edge of the board toward the rollers. This slot is made crescent-shaped, so as to conform to the curve of the tub.

What I claim is—

1. In a combined wash-bench and wringer, the frame composed of the parts A B, &c., with rungs D^2 D^3 D^4, and hooks M, N, and O, and hook-brace *b*, said parts being arranged as and for the purposes set forth.

2. A tub-bench provided with legs C, which are provided with means whereby they may be detached from the top of the bench by swinging them from the position they occupy when sustaining the bench, for the purposes mentioned.

3. In combination with the legs C and hooks N O and rungs D^2 and D^3, the horizontal bars A, as and for the purposes set forth.

4. The drip-trough of a wringer-machine, composed of the parts J, K, and L, arranged together substantially as and for the purposes set forth.

5. The combination, within a combined wash-bench and wringer, of the bars A, uprights C and B, rungs D^1, D^2, D^3, D^4, and D^5, hooks M N O, hook-brace *b*, levers E and A′, hooks *e* and *a* and *g* and *h*, stirrup-irons H, and rollers I I′, as and for the purposes set forth.

In testimony whereof I, the said PATRICK H. COONEY, have hereunto set my hand.

PATRICK H. COONEY.

Witnesses:
JNO. K. HALLOCK,
JNO. D. MCFARLAND.