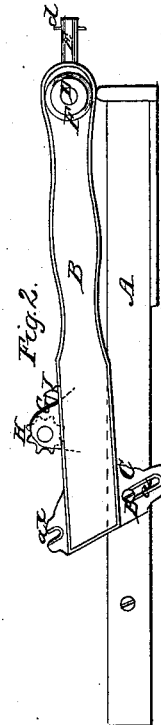
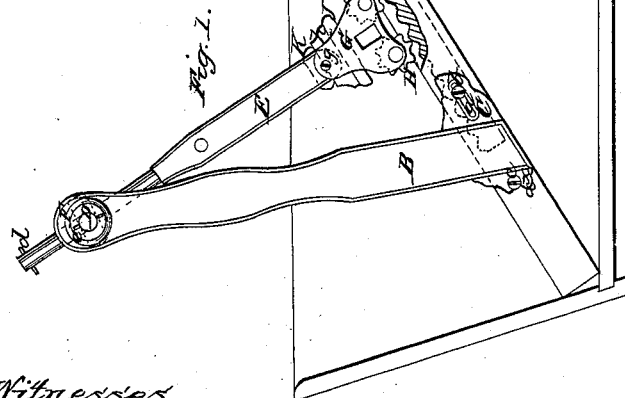
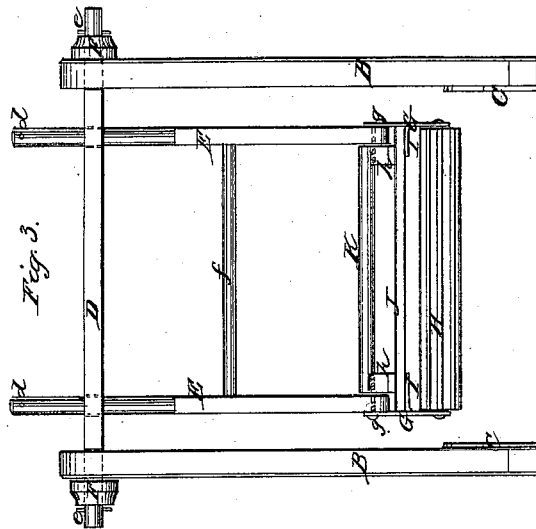


C. H. Hudson,

Wash-Board,

N^o 46,361.

Patented Feb. 14, 1865.



Witnesses
Am F McNamara
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Inventor
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UNITED STATES PATENT OFFICE.

CHARLES H. HUDSON, OF NEW YORK, N. Y.

IMPROVED ATTACHMENT FOR WASH-BOARDS.

Specification forming part of Letters Patent No. 46,361, dated February 14, 1865.

To all whom it may concern:

Be it known that I, CHARLES H. HUDSON, of the city, county, and State of New York, have invented a new and Improved Rubbing Attachment for Wash-Boards; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side view of my invention, shown applied for use; Fig. 2, a side view of the same in a folded state; Fig. 3, a view of the rubbing mechanism detached from the wash-board.

Similar letters of reference indicate corresponding parts.

This invention relates to an improvement on a rubbing attachment for wash-boards, which was patented by me February 16, 1864.

The object of the present invention is to render the device more convenient for transportation than hitherto and also more durable, and capable of being attached to any of the ordinary wash-boards in use.

A represents a wash-board, which may be constructed in the ordinary manner, and, therefore, does not require a minute description.

B B are two standards, which are secured one to each side of the wash-board by a novel means, the same consisting of a metal plate, C, secured to the lower end of each standard, said plates, having an oblong slot *a* made in them, through which the screws *b* pass into the sides of the wash-board, and these plates are notched at their ends opposite to the ends near the slots *a*, as shown at *a'*, so as to fit on screws *c* in the sides of the wash-board. By this simple arrangement the standards B B may be readily adjusted and secured in a working position, and also readily folded down on the wash-board as shown in Fig. 2, so as to render the device compact and capable of being transported in large quantities at a moderate cost.

D is a shaft, which has its bearings in the upper ends of the standards B B, and through which the upper parts of two arms, E E, pass loosely and are allowed to slide freely up and down, the arms near the upper ends having each a pin, *d*, passing transversely through

them. The shaft D has a washer, F, fitted on each end of it, and pins *e* pass transversely through the shaft D, one near each end of it, as shown clearly in Fig. 3. By adjusting these washers on the shaft D at the outer or inner sides of the standards B B the device may be applied to wash-boards A of a greater or less size or width. For narrow or small-sized wash-boards the washers are placed at the outer sides of the standards, as shown in Fig. 3, and for wider ones one or both of these washers are adjusted at the inner sides of said standards.

The arms E E are connected near their center by a cross-bar, *f*, and to the lower end of each arm a metal plate, G, is attached by a screw, *g*. In these plates G G are the bearings of two fluted rollers, H H, one being directly in front of the other, as shown clearly in Fig. 1.

The plates G G are each formed or provided with a horizontal plate, I, projecting at right angles from its inner side to which a cross-bar, J, is secured, (see Fig. 2,) and to this cross-bar J there are attached two blocks, *h h*—one near each end, the screws *g* passing into said blocks, and the lower ends of the arms E—being between the plates G G and the blocks *h*. To the upper surfaces of the blocks *h* the ends of a bar, K, are attached, said bar being flat, or nearly so, at its upper surface, and rounded at its front and back edges to form a good handle for swinging the arms E E forward and back and moving the rollers H H over the wash-board. By having the bearings of the rollers H H in metal plates G G secured to the lower ends of the arms E E, and said plates provided or cast with horizontal plates I at their inner sides, to which the cross-bar J is secured, and the handle or bar K attached to blocks *h* on bar J, with the screws *g* passing through the plates G, arms E, and into the blocks *h*, a very strong and durable means is obtained for connecting the fluted rollers H H to the arms and admitting of the rollers adjusting themselves to the clothes on the wash-board as they are moved forward and back. The sliding of the arms E E in the shaft D admit of the clothes being subjected to the requisite pressure the whole length of the board.

The wash-board is placed in the tub in the usual inclined position, as shown in Fig. 1,

the lower end of the wash-board being a short distance below the surface of the suds, in order that the latter may be brought up over the clothes on the wash-board as the rollers H H are drawn up over the clothes.

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

1. The changeable or folding wash-board mechanism herein described, the standards B B being hinged to the sides of the wash-board by means of pins *b*, standing in the slots *a*, and having notches *a'*, adapted to fit over

stops *c* to hold the parts rigidly or release them for folding when desired, substantially as and for the purpose herein set forth.

2. The bracketed plates G I G I, hinged on the arms E E, rigidly connected together by the brace J, and carrying two or more rollers, H H, substantially as and for the purpose herein set forth.

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Witnesses:

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