

(No Model.)

H. DUNPHY.  
Washboard.

No. 234,007.

Patented Nov. 2, 1880.

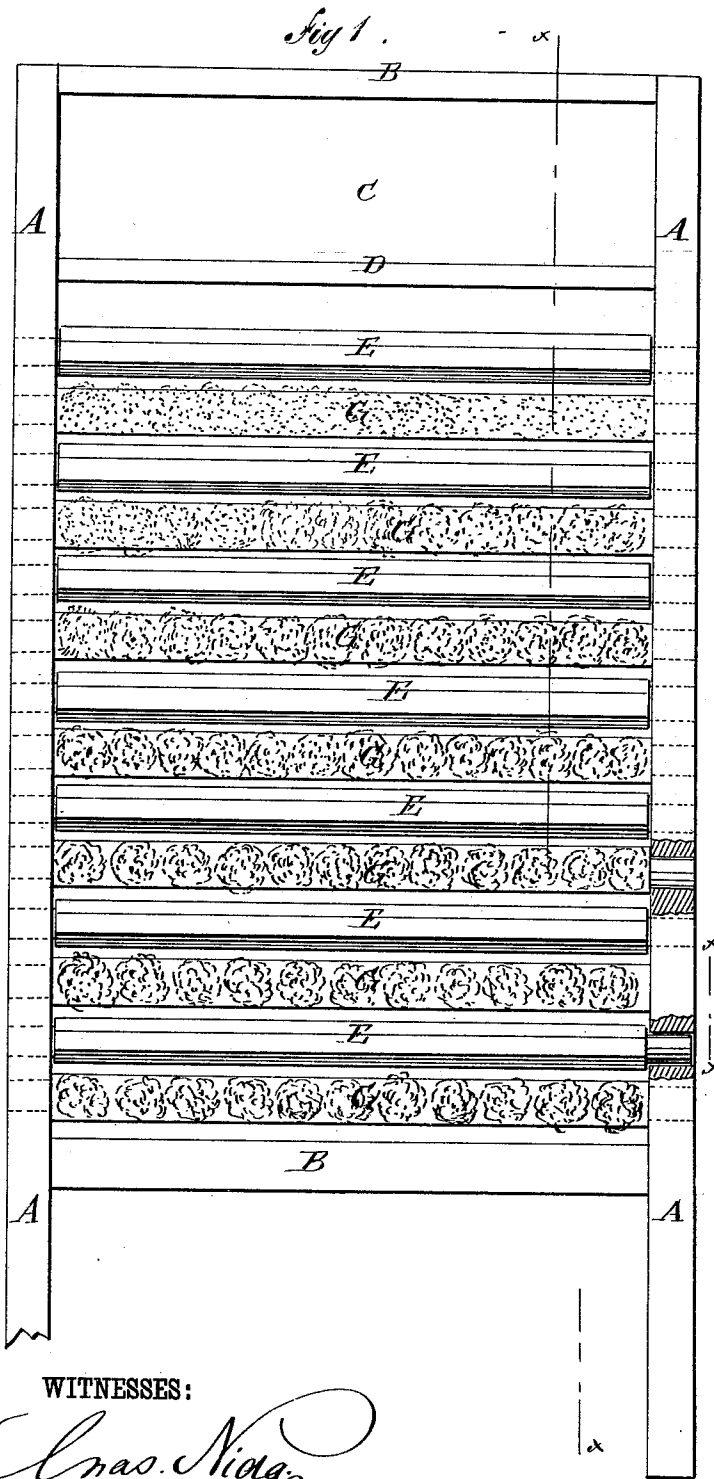
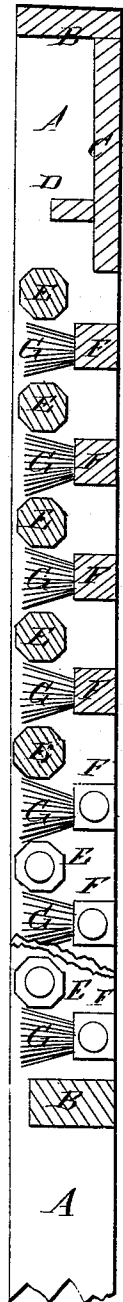


Fig 2.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HENRY DUNPHY, OF NEW YORK, N. Y.

## WASH-BOARD.

SPECIFICATION forming part of Letters Patent No. 234,007, dated November 2, 1880.

Application filed July 19, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY DUNPHY, of the city, county, and State of New York, have invented a new and useful Improvement in Wash-Boards, of which the following is a specification.

Figure 1 is a plan view of the improvement. Fig. 2 is a sectional side elevation taken through the line *x x x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish wash-boards so constructed as to remove the dirt from the clothes quickly, thoroughly, with little labor, and without injuring the fabric, which will allow the dirt to settle upon the bottoms of the tubs without being rubbed into the clothes again, and which shall be simple in construction, strong, and durable.

The invention consists in constructing a wash-board of a frame having a soap-shelf, a series of polygonal rollers, and a series of brushes alternating with the said rollers, whereby the dirt will be quickly removed from the clothes, and the clothes made to move easily over the wash-board, as will be hereinafter fully described.

A represents the side bars of the wash-board, which are connected at their upper ends, and at a little distance from their lower ends, by cross-bars B.

To the top cross-bars B and to the rear sides of the upper parts of the side bars, A, is attached a narrow board, C, having a narrow flange, D, attached to its forward side, at or near its lower edge, to form a soap shelf or receptacle.

E are rollers made with eight (more or less) sides, and with round tenons upon their ends, which tenons work freely in round mortises in the forward part of the side bars, A. Eleven (more or less) rollers, E, are used, and they are placed in line with each other and at equal distances apart.

F are square cross-bars, which have round tenons upon their ends fitting snugly into round mortises in the rear parts of the side bars, A, and midway between the polygonal rollers E. In holes or slots in the forward sides of the cross-bars F is attached grass or other suitable material G, forming brushes.

The brushes G are made of such a length that their outer ends will be a little below the level of the forward sides of the rollers E.

With this construction, when the clothes are rubbed upon the wash-board, the pressure upon the clothes will bring them into contact with the brushes G, which will quickly remove the dirt, and at the same time the revolution of the rollers E will cause the clothes to move easily over the board, so that the labor will be comparatively slight.

With this construction, also, as the dirt is removed from the clothes it falls through the wash-board and settles upon the bottom of the wash-tub, so that it will not be rubbed into the clothes again.

With this construction, also, the wash-board will not warp and crack, as wash-boards made with a wooden back or rub-board are liable to do, and which soon renders such wash-boards useless.

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

A wash-board constructed substantially as herein shown and described, consisting of the side bars, A, the cross-bars B, the flanged board C D, the polygonal rollers E, and the brushes F G, alternating with the said rollers, as set forth.

HENRY DUNPHY.

Witnesses:

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