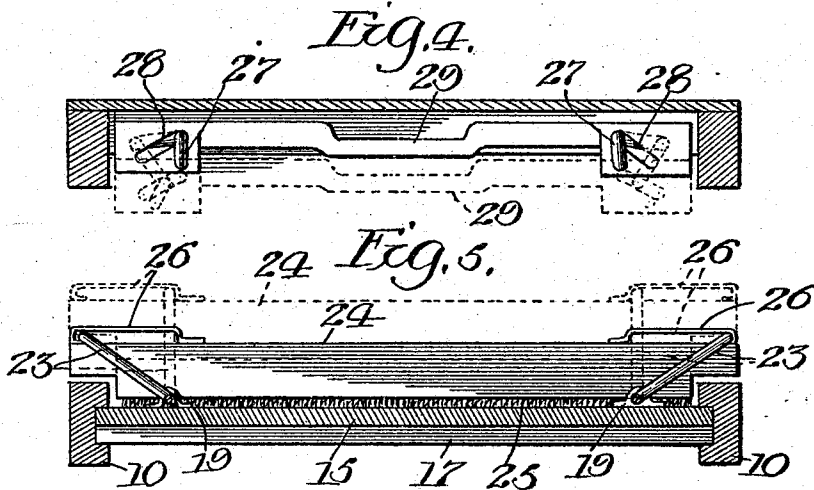


942,076.

[illegible]

Witnesses
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UNITED STATES PATENT OFFICE.

DAVID C. JULESON, OF CHICAGO, ILLINOIS.

WASHBOARD.

942,076.

Specification of Letters Patent.

Patented Dec. 7, 1909.

Application filed November 7, 1908. Serial No. 461,448.

To all whom it may concern:

Be it known that I, DAVID C. JULESON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Washboards, of which the following is a specification.

This invention relates to improvements in wash-boards of that type in which a corrugated surface is employed against which the garments are rubbed in the operation of washing, and it consists in certain peculiarities of the construction, novel arrangement, and operation of the various parts thereof, as will be hereinafter more fully set forth and specifically claimed.

The principal object of the invention is to provide a wash-board of such construction that its parts may be readily adjusted for washing either fine fabrics or coarse material in such a manner as to economize in the quantity of soap used, yet will constantly keep the garments saturated with soap suds when desired.

Another object of the invention is to provide a wash-board of the above-named general character which shall be simple and inexpensive in construction, strong, durable, and so made as to facilitate the operation of cleansing by reason of the peculiar construction and nature of the rubbing-surface.

Various other objects and advantages of the invention will be disclosed in the subjoined description and explanation.

In order to enable others skilled in the art to which my invention pertains, to make and use the same, I will now proceed to describe it, referring to the accompanying drawing, in which—

Figure 1 is a face view of a wash-board embodying the invention, showing the parts thereof adjusted so as to present or provide a rubbing surface especially adapted for washing garments of coarse material; Fig. 2 is a vertical sectional view taken on line 2—2 of Fig. 1 looking in the direction indicated by the arrows, and showing the parts in the positions illustrated in Fig. 1; Fig. 3 is a similar view taken on the same line, but showing the parts comprising the rubbing surface adjusted to the position for use in washing fine fabrics or garments; Fig. 4 is a cross-sectional view taken on line 4—4 of Fig. 1 looking in the direction indicated by the arrows, showing by continuous lines the position the handle for operating the

movable section of the rubbing surface will occupy when the parts are in the positions shown in Fig. 1, and by dotted lines the position of the handle when the parts are in the positions shown in Fig. 3; and Fig. 5 is a cross-sectional view taken on line 5—5 of Fig. 1 looking in the direction indicated by the arrows, illustrating by continuous lines the position of the brush when in use and by dotted lines its position when the same is withdrawn from between the sections of the rubbing surface.

Like numerals of reference refer to corresponding parts throughout the different views of the drawing.

The frame of the board consists of two parallel side-pieces 10 which are united together at their tops by means of a cross-piece 11 which projects forwardly of the side-pieces 10 a slight distance, as is clearly shown in Figs. 1 to 3, inclusive of the drawing. The side-pieces 10 are also secured together at their upper portions by means of a transverse board 12 which rests on the rear edges of the side-pieces 10 and against the rear edge of the cross-piece 11, thus forming a box-like compartment in the upper portion of the frame for the reception of a cake or cakes of soap, and also for the operation of the handle which operates the movable section, as well as the brush of the rubbing surface, as will be presently explained. The side-pieces 10 are connected together near their lower ends by means of a cross-piece 13, and each of the pieces 10 is provided on its inner surface above the cross-piece 13 with a longitudinally extending groove 14 for the reception of the sections 15 and 16 of the rubbing surface, which sections are located at their side edges in the grooves 14 of the pieces 10, and each is provided on its face or front surface with a horizontally corrugated sheet of metal 17, preferably of zinc on account of its non-corrodible nature. At the lower portion of the back or cross-piece 12 the sides 10 are connected together by means of a bar 18 which is located slightly in front of the part 12 so as to permit the water and suds to pass from the box-like compartment formed at the upper end of the frame. The section 15 is preferably rigidly secured between the side-pieces 10 and extends downwardly from the bar 18 to about the middle of the side-pieces, and has secured on its rear surface a pair of clips or bearings 19 for the crank-

rods 20, each of which is formed at its lower end with a hook 21 to engage staples or rings 22 secured to the rear surface of the section 16 which is movably located in the grooves 14 of the side-pieces of the frame.

As is clearly shown in Figs. 2 and 3 of the drawing, each of the rods 20, which are vertically located on the rear surface of the sections 15 and 16, has at its lower portion a crank or bend 23 which embraces a bar 24 which is horizontally located at the lower end of the section 15, and has on its front surface a brush or bristles 25 to be interposed between the lower edge of the section 15 and the upper edge of the section 16, as is clearly shown in Fig. 2 of the drawing. On the rear surface of the bar 24, which forms the back of the brush 25, is secured at each end thereof a strap 26, as shown in Fig. 5, which is located at a slight distance throughout its main part from the bar 24 so as to receive the cranks 23 or bent portions of the rods 20 which rods are extended upwardly between the portion or back 12 of the frame and the bar 18, and each has at its upper end a crank 27 which is extended through a diagonally disposed slot 28 formed in the handle 29 near its ends which handle is movably located above the bar 18 and in the box-like compartment at the top of the frame. Loosely secured at one of its ends to the middle portion of the bar 18 is a fastener 30 which is preferably provided with two outwardly bent portions 31 and 32 to engage the handle 29 so as to hold the section 16 of the rubbing surface and the brush in their adjusted positions. Swiveled on the upper portion of the back or part 12 and at about the middle of the front portion thereof is a pin 33 which has at about its middle a projection or catch 34 to engage the free or upper end of the fastener 30 so as to hold it in engagement with the handle 29 when the latter is in its raised or lowered position.

From the foregoing and by reference to the drawing it will be seen and readily understood that when the parts are in the positions shown in Figs. 1 and 2 of the drawing the section 16 of the rubbing surface will be in its lowered position, thus permitting the brush 25 to be interposed between the adjacent edges of the sections 15 and 16, in which position the brush and lower section 16 will be firmly held by reason of the engagement of the bend 32 of the fastener 30 with the handle 29 to which the cranks 27 of the crank-rods 20 are loosely secured by means of the slots 28 in said handle. When the parts are in the above-named positions it is apparent that the brush 25 will be about flush with the faces of the corrugated portions of the sections 15 and 16, when by rubbing soap and water thereover the brush will absorb and retain the lather or soap suds, and when the clothes or garments are rubbed

upon the rubbing surface, as they are passed over the brush the same will slightly yield by reason of its flexible nature, and thus assist in cleansing the garments. When it is desired to wash fine fabrics which might be injured by the bristles of the brush, it is apparent that by unfastening the catch 34 from the fastener 30 the latter may be disengaged from the handle 29, when said handle may be raised upwardly to the position shown in Fig. 3 where it may be held by the engagement thereof of the bend 31 in the fastener. In order to raise the handle 29 upwardly from the position shown in Figs. 1 and 2 to that shown in Fig. 3, it is apparent that by turning the pin 33 in the proper direction so that its catch 34 will be disengaged from the upper or free end of the fastener 30 the latter may be moved away from the board far enough to allow the handle 29 to be moved outwardly, thereby turning the cranks 27 and through them the crank-rods 20, thus removing the brush-block 24 from between the sections of the rubbing surface and lifting said brush-block and lower section, in which positions they may be firmly held by moving the catch 30 inwardly so that its bend 31 will engage the handle 29 and so that its free or upper end may again be engaged by turning the pin 33 so that its catch 34 will lie over said fastener.

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

1. A wash-board consisting of a main frame, a rubbing surface divided into sections mounted on the frame, a brush interposed between said sections, and means for moving one of said sections toward and from the other section and for raising and lowering the brush.

2. A wash-board consisting of a main frame, a corrugated rubbing surface divided into sections mounted on the frame, a brush interposed between said sections, means to move one of the sections toward and from the other and to raise and lower the brush, and means to fasten the movable section and the brush in either their raised or lowered positions.

3. A wash-board consisting of a main frame, a corrugated rubbing surface divided into sections, one of said sections movably mounted on the frame, a brush interposed between said sections, a handle movably mounted on the upper portion of the main frame and having a diagonally disposed slot, a rod loosely secured at one of its ends to the movable section and having at its other end a crank extended through the slot in the handle, said rod also having a crank in loose engagement with the back of the brush.

4. A wash-board consisting of a main frame, a corrugated rubbing surface divided

into sections, one of said sections mounted on the frame for vertical movement, a brush interposed between said sections, a handle transversely and movably mounted on the upper portion of the frame and having a diagonally disposed slot near each of its ends, rods loosely secured at their lower ends to the movable section and each having at its upper end a crank extended through the slots of the handle, each of said rods also having a crank in loose engagement with the brush back.

5. A wash-board consisting of a main frame, a corrugated rubbing surface divided into sections, one of said sections movably mounted on the frame, a brush interposed between said sections, a handle movably mounted on the upper portion of the main frame and having a diagonally disposed slot, a rod loosely secured at one of its ends to the movable section and having at its other end a crank extended through the slot in the handle, said rod also having a crank in loose

engagement with the back of the brush, and means for securing the handle in its raised or lowered position. 25

6. A wash-board consisting of a main frame, a corrugated rubbing surface divided into sections, one of said sections mounted on the frame for vertical movement, a brush interposed between said sections, a handle transversely and movably mounted on the upper portion of the frame and having a diagonally disposed slot near each of its ends, rods loosely secured at their lower ends to the movable section and each having at its upper end a crank extended through the slots of the handle, each of said rods also having a crank in loose engagement with the brush back, and means for securing the handle in its raised or lowered position. 30 35 40

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