

(Model.)

2 Sheets—Sheet 1.

J. T. SARGENT.
WASH BOARD.

No. 469,980.

Patented Mar. 1, 1892.

FIG. 1.

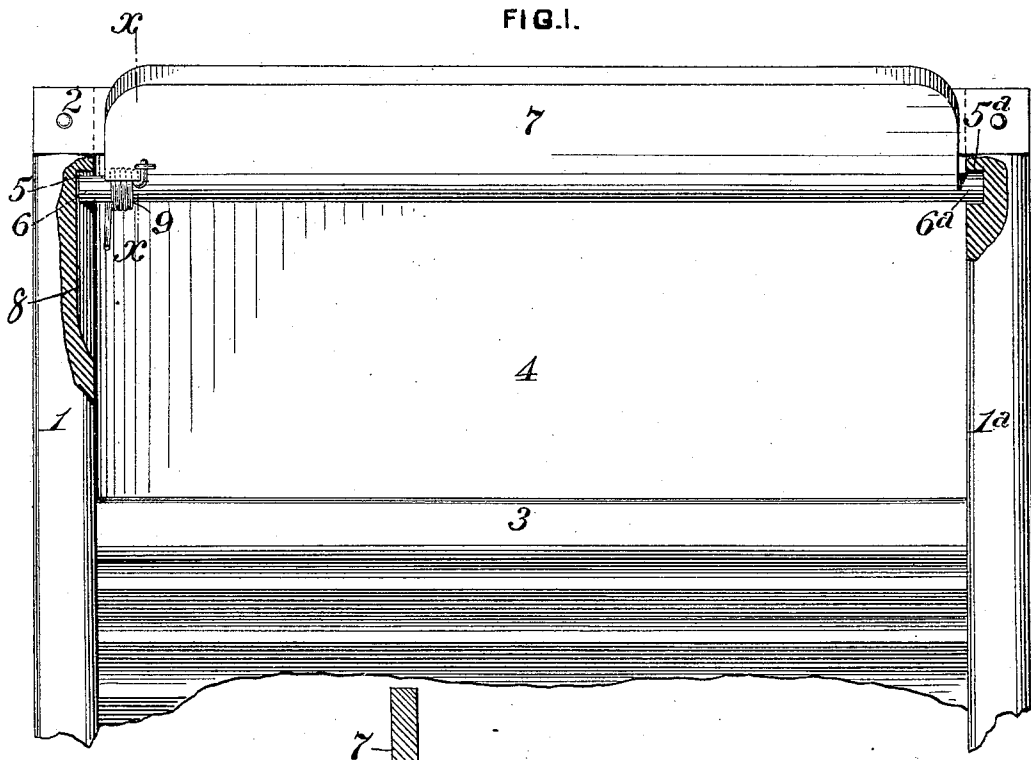


FIG. 2.

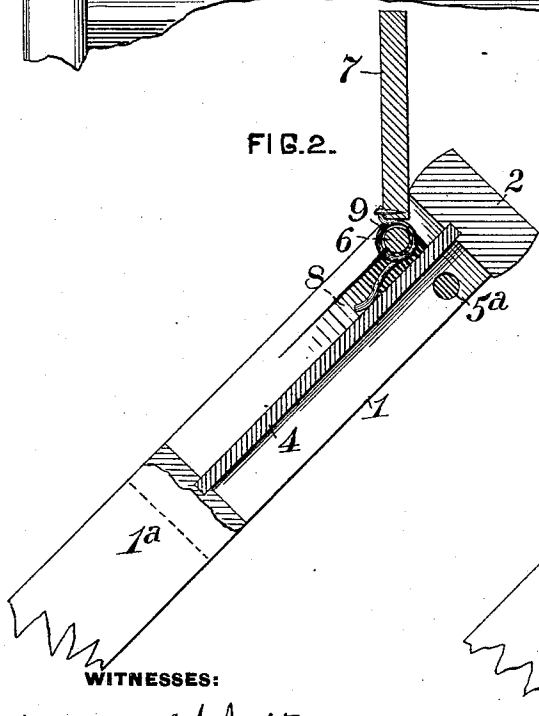
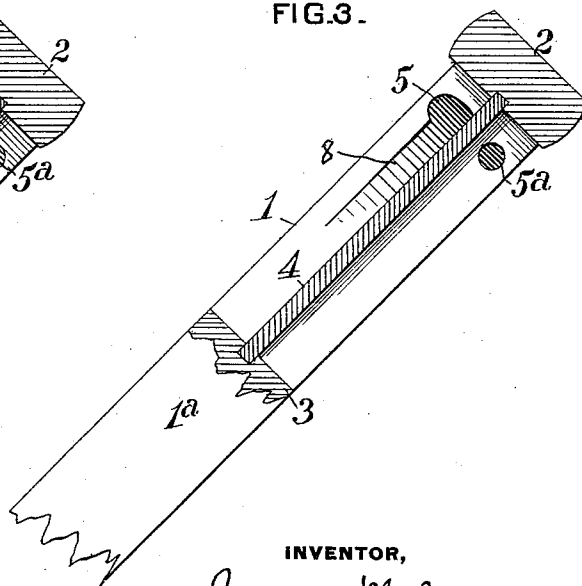


FIG. 3.



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Att'y.

(Model.)

2 Sheets—Sheet 2.

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FIG. 4.

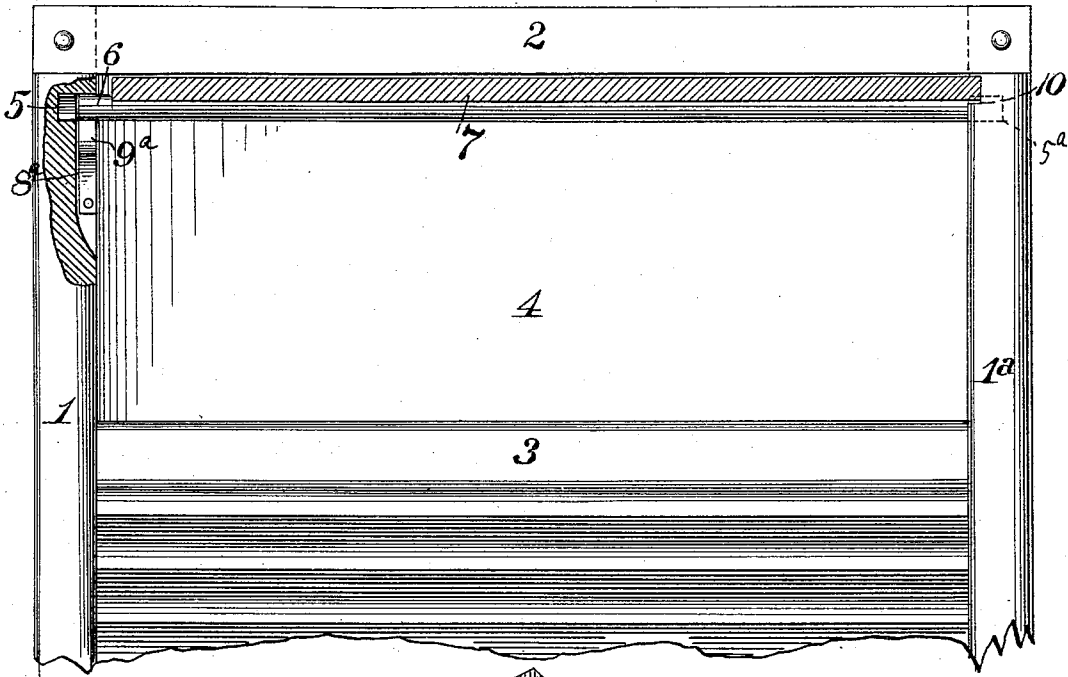
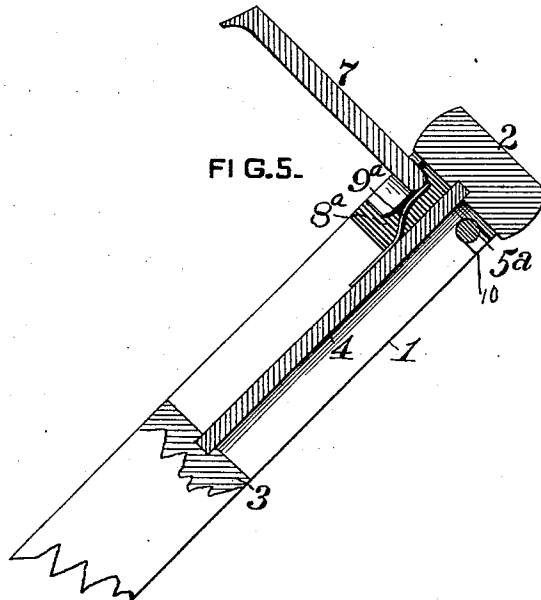


FIG. 5.



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UNITED STATES PATENT OFFICE.

JAMES T. SARGENT, OF CLEVELAND, OHIO.

WASH-BOARD.

SPECIFICATION forming part of Letters Patent No. 469,980, dated March 1, 1892.

Application filed April 15, 1891. Serial No. 388,976. (Model.)

To all whom it may concern:

Be it known that I, JAMES T. SARGENT, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented or discovered a certain new and useful Improvement in Wash-Boards, of which improvement the following is a specification.

The invention described herein relates to certain improvements in protectors for wash-boards, and has for its object a construction of wash-board and protector whereby the latter may be easily and quickly removed and adjusted in position either for application to the opposite side of a double-faced wash-board or to another wash-board, or for packing during transportation, or for renewal in case of breakage.

In general terms the invention consists in the construction, all as more fully hereinafter described and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is a view in front elevation of the upper portion of a wash-board and protector, the latter being shown in a raised or operative position. Fig. 2 is a sectional view, the plane of section being indicated by the line *xx*, Fig. 1. Fig. 3 is a similar view, the protector being removed. Fig. 4 is a view similar to Fig. 1, illustrating one form of lock for holding the protector in operative position; and Fig. 5 is a view similar to Fig. 2, showing a modification of the form of spring for holding one journal of the protector in its seat and also a modification of the form of groove or recess for inserting and removing the protector.

In the practice of my invention the wash-board is constructed in the usual or any suitable manner, soap-boxes being formed at the upper ends of the boards by the side bars 1 1^a, the head-piece 2, cross-bar 3, and brand-board 4. Sockets 5 and 5^a are formed in the side bars 1 and 1^a just below the head-piece 2 for the reception of the pivot-pins or journals 6 6^a of the protector 7, the socket 5^a being so constructed relative to the journal 6^a on one end of the protector that the journal will fit loosely in said socket, thereby permitting of a lateral movement of the opposite end of the

protector. A groove or recess 8 is cut in the inner face of one of the side bars, as 1, said groove or recess extending from the socket 5 a suitable distance along the side bar, as shown in the several figures. This construction permits of one of the pivot-pins, as 6^a, being inserted in the socket 5^a and the pivot-pin 6 at the opposite end of the protector being slid along the groove or recess until it reaches its socket 5.

By reference to Figs. 2, 3, and 5 it will be observed that the socket 5 is formed in the upper wall of the groove or recess 8 or 8^a and that the pivot-pin 6 is held in the socket by a spring 9 or 9^a. This spring may be made in the form of a coiled spring surrounding the pivot-pin 6 and having one end secured to the protector, while the other end is made sufficiently long to bear against the brand-board or other part of the wash-board, thereby holding the pivot-pin in its socket, while permitting of its removal and replacement therein, as shown in Figs. 1 and 2.

The form of spring shown in Figs. 1 and 2 serves not only to hold the pivot-pin in its socket, but also to hold the protector in its proper position when the board is in use, and also to permit of its being folded down into the soap-box for transportation or storage.

In lieu of the form of the coiled spring shown in Figs. 1 and 2 the pivot-pin may be held in its seat by a flat spring 9^a, as shown in Figs. 4 and 5. In order to support the protector in operative position when employing the flat spring, one of the sockets, as 5^a, is made of a sufficient depth relative to the length of the pivot-pin to permit of a small longitudinal movement of the protector when raised, and a notch 10 is cut in the side bar 1^a for the reception of the edge of the protector when in its raised or operative position, thereby locking the protector in such position.

For double-faced wash-boards the sockets 5 5^a and groove or recess 8 are formed in the side bars 1 1^a on both sides of the brand-board 4, so that the protector may be changed from one side of the wash-board to the other, as desired.

If desired, the groove or recess may be formed in the manner shown at 8^a in Fig. 5—

i. e., extending from the edge of the side bar down to the level of the socket 5 and thence into the socket—in lieu of extending in a straight line along the side bar, as shown in Fig. 3.

Although a lock for supporting the protector in operative position is shown and described with some particularity, no claim is made herein, broadly, to such subject-matter, but is reserved as a portion of the subject-matter of an application, Serial No. 388,977, filed April 15, 1891.

It is characteristic of my improvement that the protector is not only capable of being inserted in place and removed therefrom but also is capable of being shifted or rotated on its pivotal supports from an angular working position to a position of substantial parallelism with the brand-board, thereby adding to the wash-board a feature of great advantage in the transportation and storage thereof.

I claim herein as my invention—

1. In a double-faced wash-board, a protector containing or having one part or member of a pivot-joint by which to secure it to the wash-board frame, in combination with a frame which contains the other member or counterpart of such pivot-joint on each side of an interposed non-reversible brand-board, said pivot-joint being suitably arranged with reference to the frame and protector, whereby the latter may be rotated from a position of substantial parallelism to the brand-board to an angular working position and back, and in further combination with suitable attaching and detaching mechanism for the removal and transfer of the protector from one side to the other of the wash-board, substantially as set forth.

2. In a pivoted-protector wash-board, a groove or recess leading from one of the sockets of the pivotal connection, whereby one end

of the pivoted protector may be swung into and out of place, substantially as set forth.

3. In a pivoted-protector wash-board, a groove or recess leading from one of the sockets of the pivotal connection, whereby one end of the pivoted protector may be swung into and out of place, and a spring to hold it in place, but free to yield for removal, substantially as set forth.

4. In a pivoted-protector wash-board, a seat or socket in the side bar for supporting the pivot-pin of the protector at one end, a groove or recess leading therefrom, whereby the pivot-pin may be swung or moved clear of the side bar, and a spring suitably arranged to normally hold the pivot-pin in its seat or socket, but adapted to yield sufficiently for the removal and replacement of the protector, substantially as set forth.

5. In the construction of wash-boards having folded yielding resilient protectors insertible in and removable from the wash-board frames by a movement in the direction of their length, a socket or seat in the side bar for the protector pivot-pin at one end, a groove or recess leading into such socket or seat but of less depth than the socket or seat, and a spring arranged to move or hold the protector over to or toward such socket or seat, said parts being suitably proportioned, whereby the spring may be placed under tension sufficiently to clear the pivot-pin from its socket or seat and permit it to be swung or moved out along the groove or recess and so removed and by a reversal of the operation to be replaced, substantially as set forth.

In testimony whereof I have hereunto set my hand.

JAMES T. SARGENT.

Witnesses:

J. B. STOWE,

N. H. HILLIARD.