

(Model.)

J. T. SARGENT.
WASH BOARD.

No. 467,440.

Patented Jan. 19, 1892.

FIG. 1.

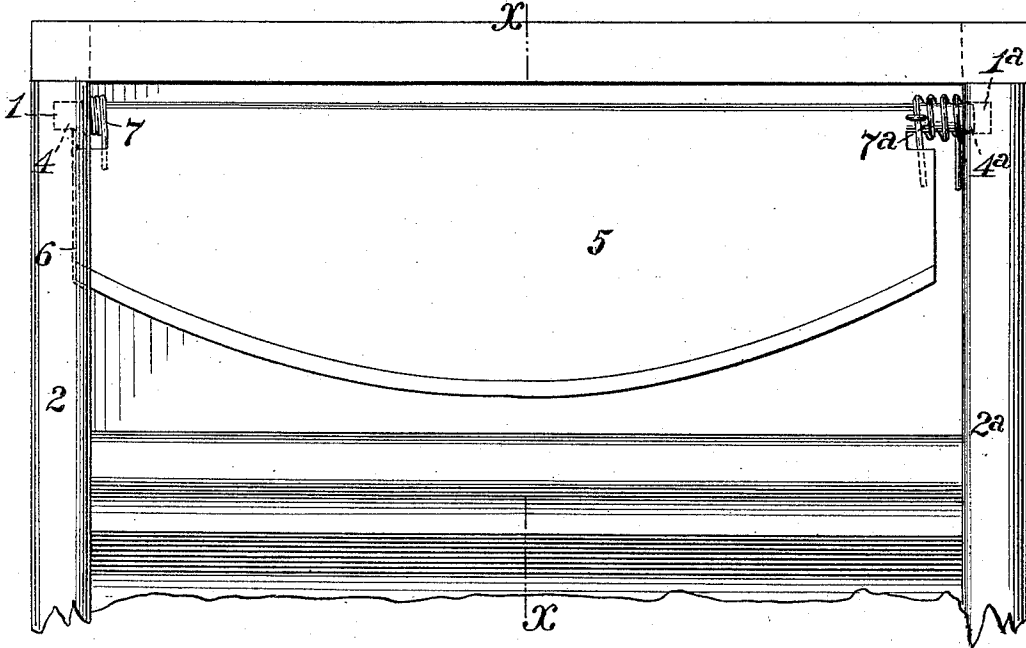


FIG. 2.

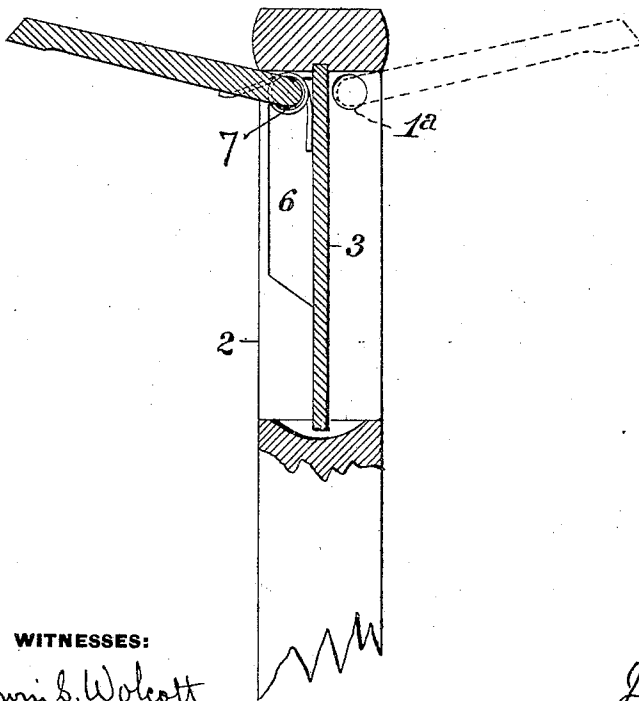
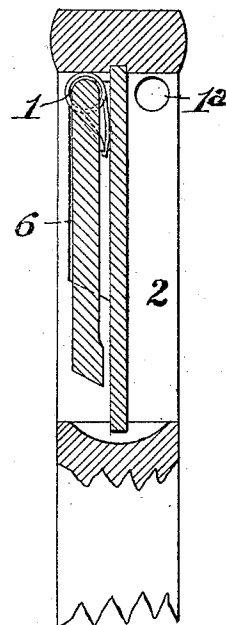


FIG. 3.



WITNESSES:

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INVENTOR,

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UNITED STATES PATENT OFFICE.

JAMES T. SARGENT, OF CLEVELAND, OHIO.

WASH-BOARD.

SPECIFICATION forming part of Letters Patent No. 467,440, dated January 19, 1892.

Application filed April 15, 1891. Serial No. 388,979. (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 has for its object certain improvements in pivoted protector wash-boards, whereby the protector may be easily removed from and placed in position in the soap-box and be locked in folded position.

In general terms the invention consists in the construction and combination as herein-after more fully described and claimed.

In the drawings forming a part of this specification, Figure 1 is a front elevation of a portion of a wash-board having my improvements applied thereto. Fig. 2 is a sectional view, the plane of section being indicated by the line *x x*, Fig. 1, the protector being shown in a raised position; and Fig. 3 is a similar view, the protector being folded.

In the practice of my invention seats or sockets 1 1^a are formed in the side bars 2 2^a on both sides of the brand-board 3 for the reception of the pivot-pins 4 4^a of the protector 5. In one of the side bars, as 2, is formed a groove or recess 6, extending from the socket 1 a distance along the side bar approximately equal to the width of the protector at its ends. This groove is made of a sufficient width and depth to receive the end of the protector when folded down into the soap-box. In order to permit of the insertion of the end of the pivot-pin of the protector into said groove or recess, which is of less depth than the socket 1, said seat or socket 1 is made of sufficient depth relative to the length of the pivot-pin 4^a that the protector may be shifted in the direction of its length after the insertion of the pin 4^a in its seat or socket a sufficient distance to permit of the pin 4 being swung along the groove or recess 6. The pin 4^a fits loosely in its socket 1^a sufficiently to permit the lateral movement of the opposite end of the protector. Coiled springs 7 7^a are placed around the pins 4 4^a, one end of each spring being fastened to the protector, while the other end has a bearing against the brand-

board. When the protector is placed in position, these springs are placed under sufficient tension to enable them to raise the protector when free to move. The spring 7^a is made with open coils and of such a length as to permit of the protector being shifted so as to disengage its end from the groove or recess 6 and the pivot-pin 4 from its seat or socket 1. The tension of the spring 7^a is sufficient to so move the protector longitudinally as to cause the pivot-pin 4 to enter and remain in its seat or socket and also to cause the end of the protector to enter the groove or recess 6 when in a folded-down position. The spring 7 is made of such a length as not to have such a bearing at the ends of the coil against the protector and side bar as will materially affect the operation of the spring 7^a in shifting the protector longitudinally. While the grooves or recesses 6 permit of the removal of the protector from one side of the brand-board, and its insertion in the soap-box in the opposite side is shown and described with some particularity, no claim is made herein, broadly, for a construction covering a protector removable in the manner described, as such construction forms a portion of the subject-matter of an application, Serial No. 388,976, filed April 15, 1891. The springs 7 7^a have the common function of raising and supporting the protector, and the spring 7^a has the additional function of shifting the protector into engagement with the groove or recess 6.

I claim herein as my invention—

1. In combination with a wash-board and a folding pivoted protector longitudinally movable between the side bars of the wash-board frame, a groove or recess in one of the side bars for the reception of one end of the body of the protector when in a folded-down position, substantially as set forth.

2. In combination with a wash-board and a folding pivoted protector longitudinally movable between the side bars of the wash-board frame, a groove or recess in one of the side bars for the reception of one end of the body of the protector when in a folded-down position and a spring for shifting the protector longitudinally, substantially as set forth.

3. 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 and
5 adapted to receive one end of the body of the protector when folded, 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, and said parts being suit-
10 ably 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, the
15 spring also serving to hold one end of the protector, when folded, in engagement with the groove in the side bar, substantially as set forth.

In testimony whereof I have hereunto set
20 my hand.

JAMES T. SARGENT.

Witnesses:

J. B. STOWE,
N. H. HILLIARD.