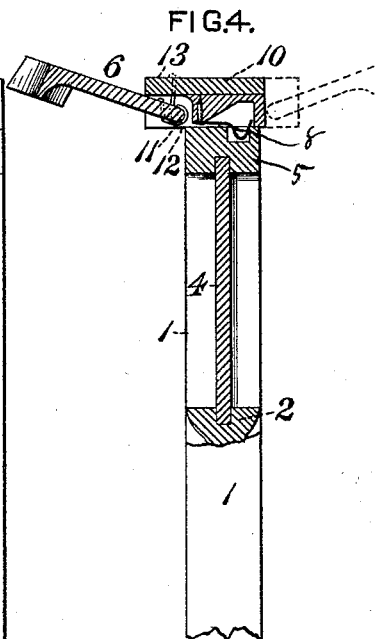
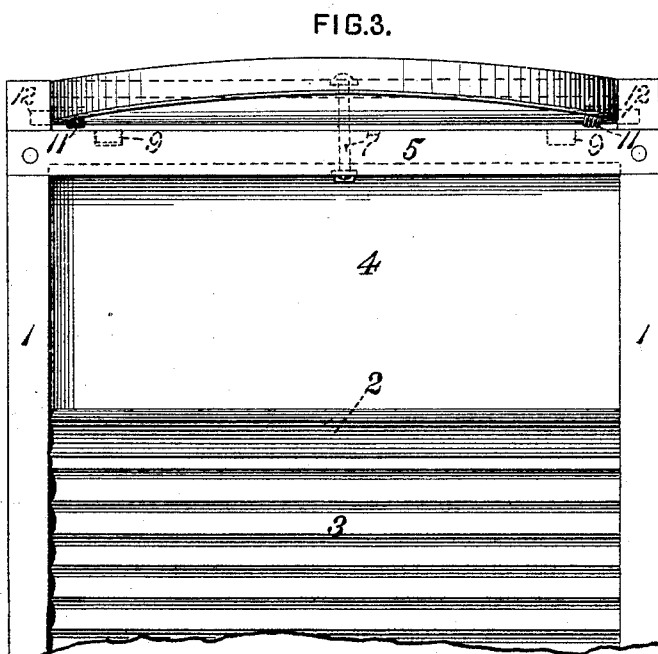
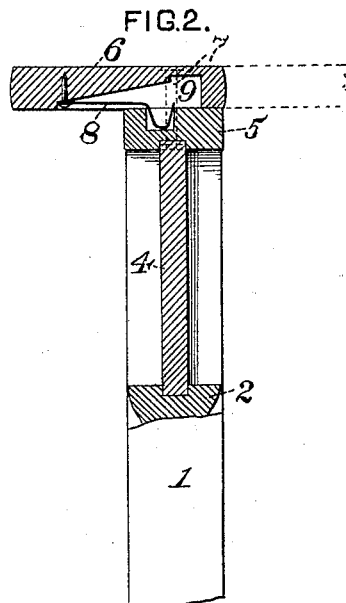
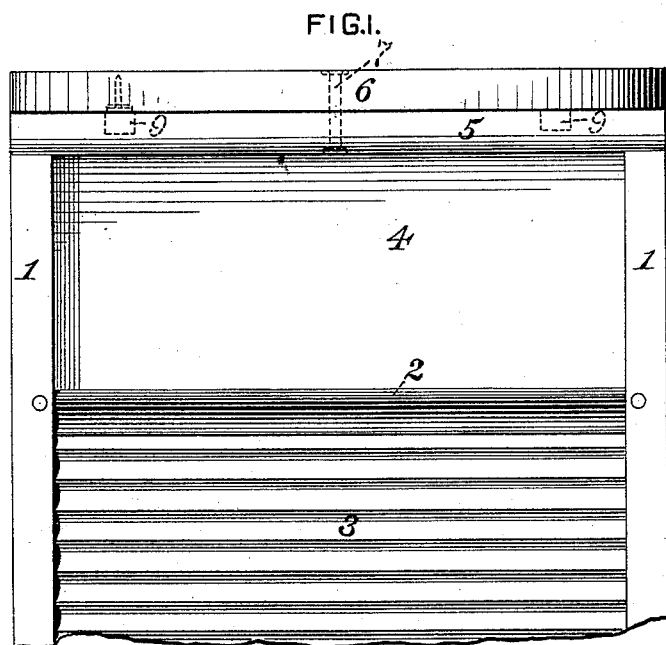


(No Model.)

J. T. SARGENT.
WASH BOARD.

No. 421,317.

Patented Feb. 11, 1890.



WITNESSES:

Danville S. Wolcott
F. E. Gaither

INVENTOR,

James T. Sargent
by George H. Christy
Att'y.

UNITED STATES PATENT OFFICE.

JAMES T. SARGENT, OF CLEVELAND, OHIO.

WASH-BOARD.

SPECIFICATION forming part of Letters Patent No. 421,317, dated February 11, 1890.

Application filed November 23, 1889. Serial No. 331,345. (No 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 certain new and useful Improvements in Wash-boards, of which improvements the following is a specification.

The invention described herein relates to certain improvements in that class or kind of protectors for wash-boards described and claimed in Letters Patent No. 285,254, granted September 18, 1883, to J. M. Gorham, and has for its object such a construction and arrangement of the protector as will permit of its being reversed from side to side of the board when in use without removal from the board, and will also permit of the protector being folded down into the space below the head-piece (commonly known as the "soap-box") for storage or transportation.

In general terms, the invention consists in the construction and arrangement of mechanical devices or elements, all as more fully hereinafter described and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is a side elevation of a double-faced wash-board having my improved protector applied thereto. Fig. 2 is an edge view of the same, the upper portion being shown in section. Figs. 3 and 4 are views similar to Figs. 1 and 2 of a modified construction of the protector.

The wash-board proper, consisting of the side bars 1, cross-strips 2 above and below the rubbing-faces 3, the brand-board 4, and head-piece 5, may be constructed in the usual or any desired manner. The protector 6 is formed of a board or plate of any desired or suitable width and of a length equal to the length of the head-piece 5, or approximately so. This plate or board is attached to the head-piece by a pin 7 passing through the board and head-piece midway, or approximately so, of the length of each, but near one edge of the board or plate, so that the opposite edge of said plate, which is made of a greater width than the head-piece, may project beyond the same. This protector may, by horizontal rotation on its pivot-pin, be made to project beyond either edge of the

head-piece without detachment from the board.

In order to hold the protector in position above either face of the board, a spring-catch 8 is secured to the under side of the protector on one side of the pivot-pin, and suitable holes 9 (indicated by dotted lines in Fig. 1) are formed in the head-piece on both sides of the pivot-pin for engagement with the spring-catch, in accordance with the position of the protector; or, if desired, the catch may be secured to the head-piece and the holes formed in the under side of the board, or any other suitable catch or detent may be employed for holding the protector in operative position.

While the protector hereinbefore described will perform its desired function when in use, a permanently-projecting protector is liable to be broken off and prevents a compact arrangement of the boards for transportation or storage; hence it is preferred, as shown in Figs. 3 and 4, to connect the protector to a carrier 10 by means of spiral springs 11, mounted on a round tenon 12, formed on the inner corners of the protector. One end of each of these springs is pressed into or otherwise fastened to the protector, while the other end is secured to the carrier. In attaching these springs they are placed under such a tension that their combined strength will hold the protector up against a stop on the carrier, said stop being preferably formed by the overhanging portion 13 of the carrier. This overhanging portion 13 serves not only as a stop to limit the upward movement of the protector, but also to protect the connection between the protector and carrier. This carrier, which is pivotally secured to head-piece 5, is preferably made of a width as regards its body portion equal, or approximately so, to the width of the head-piece 5, and the protector is so connected by the springs 11 to the carrier that it may be folded down into the soap-box—that is to say, the protector is so arranged that its axis of movement—i. e., the line passing centrally through the tenons 12, will lie in line with or a little outside of the edges of the head-piece when the carrier and protector are in normal operative position on either side of the wash-board. A spring-catch 8 and holes 9 are pro-

vided, as hereinbefore described, to lock the carrier and protector in operative position on either side of the wash-board.

5 Either construction of protector hereinbefore described, fitting as they do on top of the head-piece, can be readily applied to any of the double-faced wash-boards now in use, no change being required in the wash-board, and the protector being held in place by a pin
10 passing through the protector itself or the carrier and the head-piece.

If desired, the tenons 12 may be made sufficiently long to project into holes formed in blocks at the ends of the recess formed by
15 the overhanging portion 13, as shown in dotted lines in Fig. 3, thereby forming a firmer bearing for the protector.

I claim herein as my invention—

20 1. The combination of a double-faced wash-board and a protector arranged for rotation on a vertical axis on top of the head piece of the wash-board, substantially as set forth.

2. The combination of a double-faced wash-board, a rotating carrier pivoted to and on

top of the head-piece thereof, and a protector 25 flexibly connected to the carrier and movable therewith from side to side of the wash-board, substantially as set forth.

3. The combination of a double-faced wash-board provided with a soap-box on each side, 30 a rotating carrier pivoted to and on top of the head-piece thereof, and a yielding protector connected to the carrier and movable therewith from side to side of the wash-board and adapted to fold down into either soap-box, 35 substantially as set forth.

4. The combination of a double-faced wash-board, a protector arranged for rotation on top of the head-piece from side to side of the board, and an interlocking or interengaging 40 mechanism for holding the protector in operative position, substantially as set forth.

In testimony whereof I have hereunto set my hand.

JAMES T. SARGENT.

Witnesses:

J. M. GORHAM,

JOS. J. PTAK.