

No. 789,576.

PATENTED MAY 9, 1905.

E. J. STEWART.
SPLASH BOARD OR FENDER.
APPLICATION FILED DEC. 22, 1903.

Fig. 1.

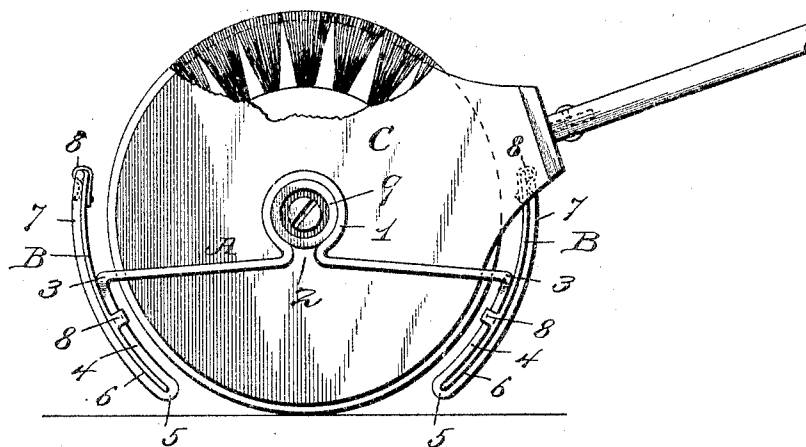


Fig. 2.

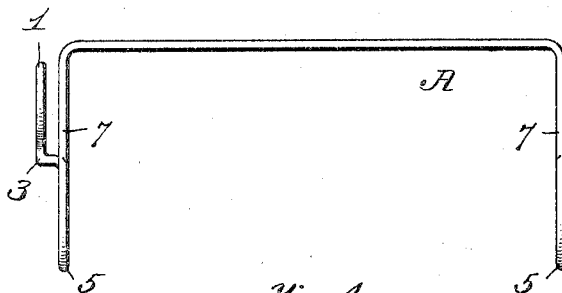


Fig. 3.

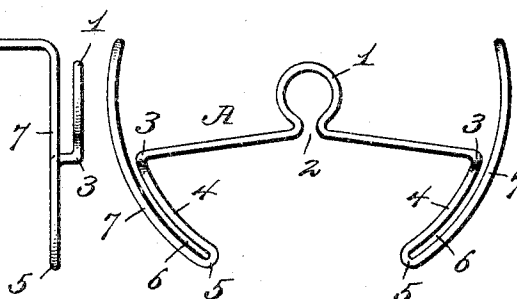


Fig. 4.

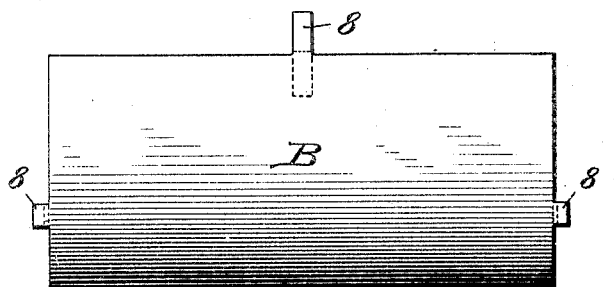
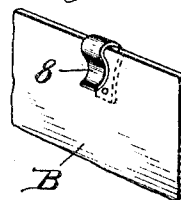


Fig. 5.



Witnesses.

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UNITED STATES PATENT OFFICE.

EMMOR J. STEWART, OF NEW YORK, N. Y.

SPLASH-BOARD OR FENDER.

SPECIFICATION forming part of Letters Patent No. 789,576, dated May 9, 1905.

Application filed December 22, 1903. Serial No. 186,185.

To all whom it may concern:

Be it known that I, EMMOR J. STEWART, a citizen of the United States, residing in the city of New York, borough of Manhattan, State of New York, have invented certain new and useful Improvements in Splash-Boards or Fenders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in splash-boards or fenders especially adapted for use in conjunction with rotating scrubbing-brushes, and more especially the style of brush shown and described in my Letters Patent No. 758,714, wherein the brush is mounted between two driving-wheels, said wheels adapted to rotate the brush through the medium of intermediate gears mounted within the wheels, the gearing being covered by a frame to which is connected an operating-handle and on which frame is mounted the splash-board support.

The object of this invention is to provide a simple, cheap, but efficient device of the character specified and one that may be easily and quickly attached to or detached from the brush-frame.

For the purpose of illustrating a simple means of carrying out my invention I have shown the support for the fenders constructed of a single piece of wire having securing members formed thereon adapted to be seated on bosses formed on both sides of the brush-frame and having arms extending from said members to the front and rear of the brush, where they are formed into receiving members by being bent to form slots for the reception of sheet-metal fenders, preferably curved to conform to the contour of the brush, the fenders being provided with clips by means of which they are securely fastened to the support.

In the accompanying drawings, Figure 1 illustrates an application of my invention. Figs. 2 and 3 are front and side views, re-

spectively, of the skeleton support; Fig. 4, a front view of one of the splash-boards or fenders; and Fig. 5, a detail perspective view of a portion of a fender, showing a clip riveted thereon instead of being an integral part thereof.

The skeleton support A is preferably, though not necessarily, constructed of a single piece of stiff wire, which is first bent into rectangular form and the two ends secured together to form a continuous piece. In the center of two sides of the rectangle is formed a securing member or eye 1, which is preferably left slightly open, as shown at 2, for the purpose of changing the size of the eye at will. At a point 3 on both sides of the eyes, at a certain distance therefrom, the distance to be determined by the diameter of the brush or the brush-frame to which the support is to be applied, the sides are bent inwardly a sufficient distance to be within the plane of the inside of the brush-frame, then bent downwardly, forming a central portion 4, which is curved on a line of a circle struck from the axis of the eye 1. This curved portion 4 may be of any suitable length. As shown in the drawings it is about one-third of the remaining length of the wire from the points 3 to the ends of the sides. From a point 5 the sides are bent back upon themselves, forming a slot 6 between said curved portion 4 and half of the end portion 7 of the sides.

B designates a splash-board or fender, preferably composed of sheet metal, adapted to be bent to conform to the contour of the slot 6, in which it is seated when in place. Clamping-ears 8 on both ends and on the top of the fender may either form a part thereof or they may be riveted thereto, as shown in Fig. 5. These clamping-ears are turned around the support, as shown, and serve to securely hold the fenders in place. The lower edge or base of the fenders rest on the support at the point 5, or, in other words, where the sides are bent back upon themselves. The fenders may be readily removed from the support by simply straightening out the clamps and sliding the sheet-metal plates out of the slots.

As shown in Fig. 1, the skeleton is mounted on the brush-frame C by means of the eyes

1 taking over a boss or bearing 9, formed on
each side of the frame. As it is preferable
to have the fenders remain in one position
relative to the floor, the eyes 1 are made large
5 enough to permit the rotation of the bosses
therein when the latter are rotated by the rais-
ing and lowering of the handle as the brush is
moved back and forth. The two fenders will
only slightly swing or rock, due to the fact
10 that they balance one another on either side
of the brush. When the brush is to be moved
in one direction only, it may be found desir-
able to tightly clamp the skeleton to the brush-
frame to prevent the rocking of the fenders.
15 This may be done by simply reducing the
size of the eyes sufficiently to cause them to
bind on the bosses.

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

1. The combination with a carrying ele-
ment, of a fender on one side of said element,
a counterbalancing-fender on the other side
of said element, and a support for said fenders
25 carried by and adapted to swing on the car-
rying element.

2. The combination with a rotary brush and

a frame therefor, of a balanced fender-sup-
port carried by the frame, and a fender on
each end of the support.

3. The combination with a rotary brush, a
frame therefor and a bearing formed on each
side of the latter, of a skeleton supporting-
frame balanced on said bearings, and a fender
35 mounted in each end of the support.

4. A fender-support comprising a skeleton
framing formed of a single piece of wire hav-
ing securing-eyes formed in two sides of the
frame and receiving members formed by the
end portions of said sides.
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5. The combination of a frame formed of a
single piece of wire having eyes or loops
formed in two of its sides, receiving members
formed by the end portions of said sides, fen-
ders mounted in said receiving members, and
45 means on the fenders for securing them to the
frame.

In testimony that I claim the foregoing as
my invention I have signed my name in pres-
ence of two subscribing witnesses.

EMMOR J. STEWART.

Witnesses:

CHAS. M. ARNOLD,
Mrs. E. J. STEWART.