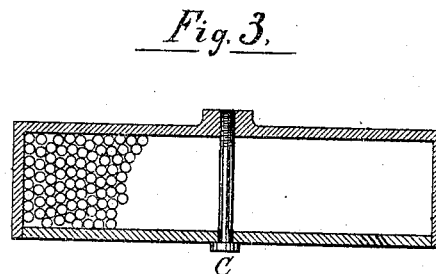
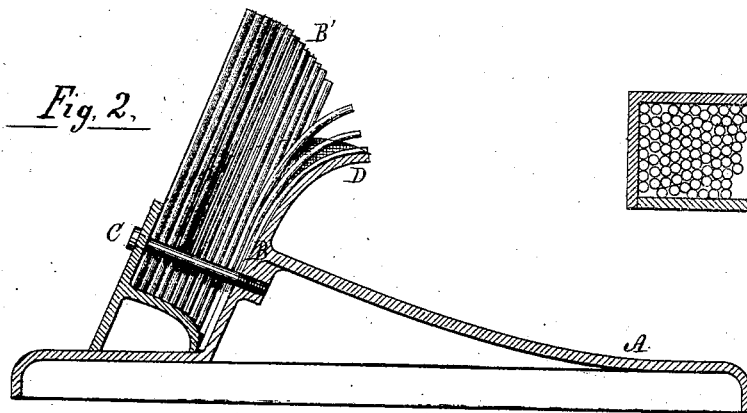
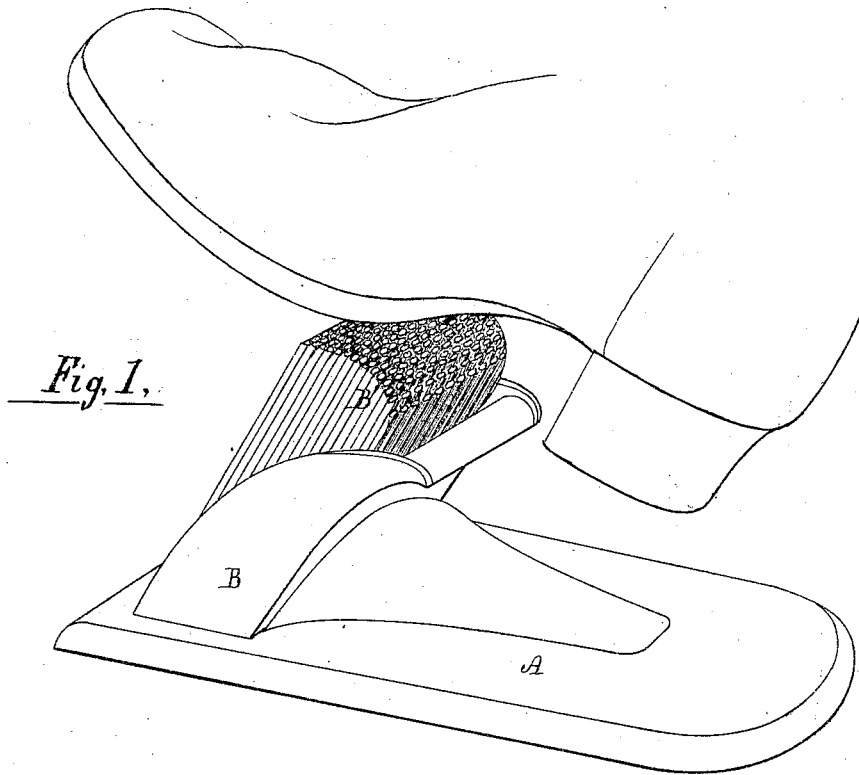


JOHN W. OSBORNE.

Improvement in Foot-Brushes.

No. 114,847.

Patented May 16, 1871.



Witnesses.

Ed Eliot

Boyd Eliot

Inventor.

J W Osborne

United States Patent Office.

JOHN W. OSBORNE, OF BROOKLYN. NEW YORK.

Letters Patent No. 114,847, dated May 16, 1871.

IMPROVEMENT IN FOOT-BRUSHES.

The Schedule referred to in these Letters Patent and making part of the same.

I, JOHN W. OSBORNE, of the city of Brooklyn, and county of Kings and State of New York, have invented certain Improvements in Foot-Brushes, of which the following is a specification.

Nature and Object.

My invention relates to that class of devices known as foot-brushes, upon which the feet may be cleaned, or as a substitute for scrapers, and consists, first, in so mounting a stiff coarse brush upon a pedestal or base that the most convenient and common position of the foot thereon when in the act of being cleaned will not tend to move the apparatus on the floor, thereby dispensing with the necessity of fastening the base fixedly, or giving great weight to said pedestal or base, as is now very commonly done.

The second part of this invention relates to the manner of holding said brush in working position, and specially to a shield or guard that supports the back part of the brush-fibers so that they cannot be crushed down or broken by the pressure of the foot.

Drawing.

Figure 1 represents my invention in perspective, and the position of the foot when about to be cleaned.

Figure 2 is a sectional view of the apparatus, and shows some of the brush-fibers bent back against the shield, which prevents their being crushed or broken by the pressure of the foot.

Figure 3 is a transverse section through the brush, and its case or receiver, in the plane of the bolt which clamps the brush in position.

The base A is formed of any substance that will furnish sufficient strength to sustain the brush, but is commonly made of cast-iron, and may be made very thin and light so as to be readily portable, and upon the upper side and near one end of said base a receiver, B, is formed for the brush B'.

Said receiver may be made by having three sides cast upon the base, and the other or fourth side loose or adjustable, and made to fit in between two of the other sides, and held in position by a screw-bolt, as shown at C, figs. 2 and 3. It may, however, be cast or formed all in one piece with the base, or separately from the base, and fastened upon it after the brush is formed in it.

This receiver is placed at such an angle relatively upon the base that the common and most easy position of the feet upon the upper end of the brush will form a right angle, or nearly so, between the plane of the foot and the fibers of the brush or so that when some pressure is brought upon it the line of force will fall within the rear end of the base and thereby prevent a sliding movement backward and a tilting action in front.

The best angle for placing said brush upon the base will be found to be about seventy degrees with the plane of the base, and at such an angle the brushing action upon the bottom of the foot will be found to be most readily accomplished.

As the pressure is brought upon the upper end of the brush and a movement backward is given, the fibers will be bent backward, as shown at D, fig. 2, while supported by the shield or guard D, which effectually prevents their being broken.

The brush may be composed of any substances of which brushes are made, and for facility of construction the fibers may all be cut the same length; but in such a case, to give the proper shape to the top of the brush, the bottom of the receiver may be made of the same configuration as required at the top, so that when the fibers are driven down to the bottom the upper end of the brush will have the proper shape without the necessity of being trimmed.

The receiver B, as already remarked, may be formed of one piece and without the loose side, and in such a case the splints may be driven into said box containing a liquid mixture of asphaltum, or pitch of some kind, that will soon harden and hold them in position.

Claim.

I claim—

The combination of the brush B', receiver B, and adjustable side for clamping the brush, as described, and for the purposes set forth.

J. W. OSBORNE.

Witnesses:

E. N. ELIOT,
BOYD ELIOT.