

(No Model.)

P. MÖRCK.
FOOT BRUSH.

No. 552,388.

Patented Dec. 31, 1895.

fig: 1.

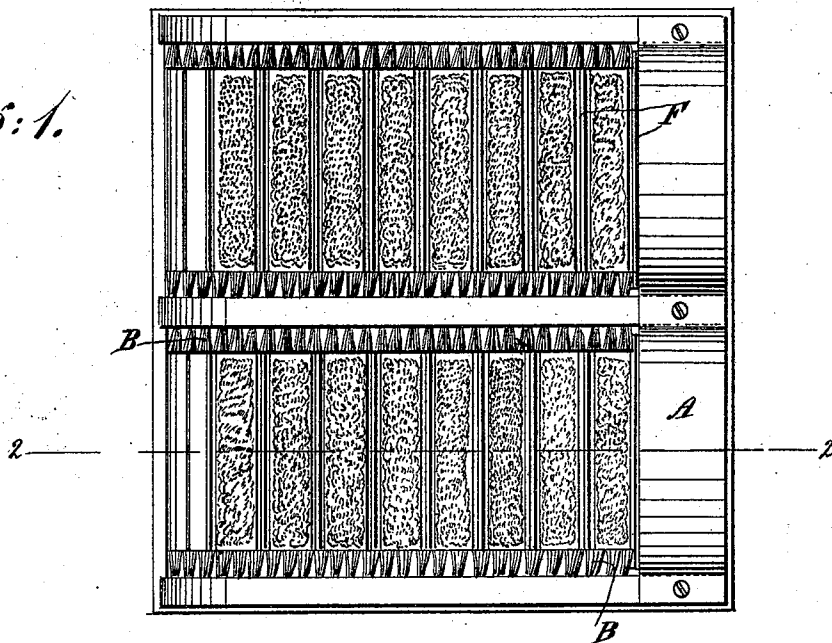


fig: 2.

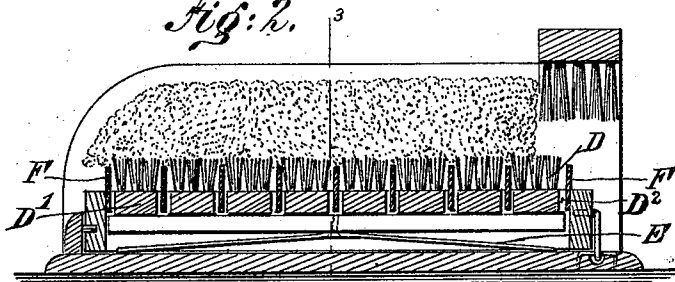


fig: 4.

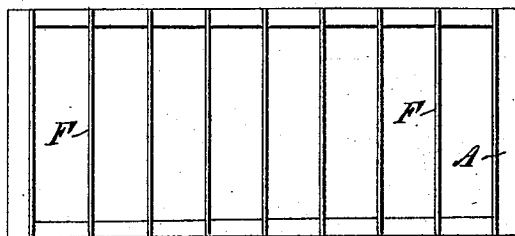


fig: 5.

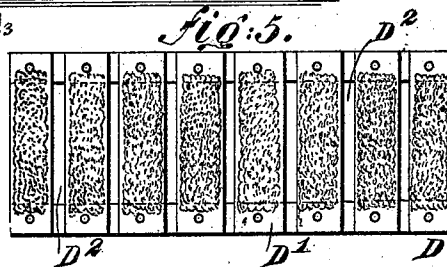
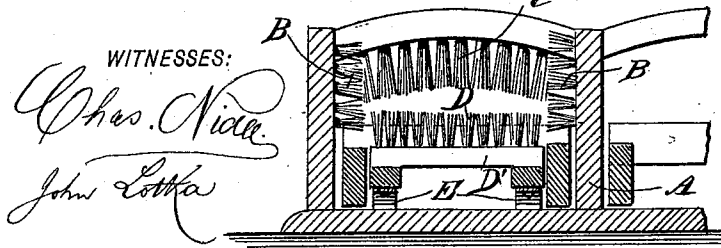


fig: 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

PETER MÖRCK, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO JOHN A. REISE, OF SAME PLACE.

FOOT-BRUSH.

SPECIFICATION forming part of Letters Patent No. 552,388, dated December 31, 1895.

Application filed August 15, 1895. Serial No. 559,395. (No model.)

To all whom it may concern:

Be it known that I, PETER MÖRCK, of Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Foot-Brushes, of which the following is a full, clear, and exact description.

My invention relates to foot-brushes, and has for its object principally to improve that part of a foot-brush which is adapted to engage the sole of the shoe and to provide simple means whereby the sole may be subjected to a scraping and a brushing action.

To this end my invention consists in a particular novel combination of a movable bottom brush with stationary scrapers, as hereinafter more fully described.

Other features of the invention will be pointed out in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan of the improved foot-brush. Fig. 2 is a sectional elevation thereof on the line 2 2 of Fig. 1. Fig. 3 is a broken cross-sectional elevation on the line 3 3 of Fig. 2. Fig. 4 is a detail plan view of the brush-frame with the scrapers, and Fig. 5 is a detail plan view of the apertured bottom brush.

The improved foot-brush is preferably constructed as a double brush—that is, with two brush-sections placed side by side and each adapted to receive one foot. The brush consists of a frame A in which are secured the side brushes B and the top brushes C. These may be of any suitable construction and, as shown, are rigidly connected to the frame A. The bottom brushes D are of a particular novel construction and are movable up and down relatively to the frame A. The bottom brushes are normally held in an elevated position by springs E. At the bottom of the frame A are also located stationary scrapers F so arranged that when the bottom brushes are depressed the foot of the person will rest on the scrapers—that is, in the elevated position of the brush the latter will project upwardly beyond the plane of the scrapers' up-

per edges. I prefer to construct the bottom brushes with a back D', having transverse apertures or slots D² between adjacent rows of tufts or bristles, and to place a scraper F in each of the said slots.

In order to make provision for the ready removal of the dirt brushed and scraped off a drawer may be located in the frame A below the scrapers F. This construction being well known I have not deemed it necessary to illustrate it in the drawings.

The person desiring to use my improved foot-brush steps on both sections of the same, so that both bottom brushes D will be depressed until the person's feet rest on the scrapers F. By moving his feet back and forth in the well-known manner the person will scrape off the dirt from the sole and at the same time brush it off the sides and top of the shoe. It will be observed that the apertured construction of the bottom brush will permit the dirt scraped off to readily pass downward through the slots D². Thus the brush will remain comparatively clean. The person then by slightly raising one foot allows the bottom brush D of that side to rise by the action of the spring E, so that the scrapers F on that side will not touch the sole of the shoe and the sole may be subjected to a brushing action only.

I desire it to be understood that various minor changes may be made without departing from the nature of my invention; but

What I claim, and desire to secure by Letters Patent, is—

1. The combination of the bottom brush capable of upward and downward movement, and stationary scrapers arranged to be substantially flush with the upper surface of the brush when the latter is depressed, substantially as described.

2. The combination with the stationary side brushes, of the vertically movable bottom brush, substantially as described.

PETER MÖRCK.

Witnesses:

JAS. A. PREST,
JOHN A. WALTHER.