

A. M. FAIRFIELD.
 BOOT CLEANER.
 APPLICATION FILED APR. 17, 1912.

1,047,624.

Patented Dec. 17, 1912.

Fig-1-

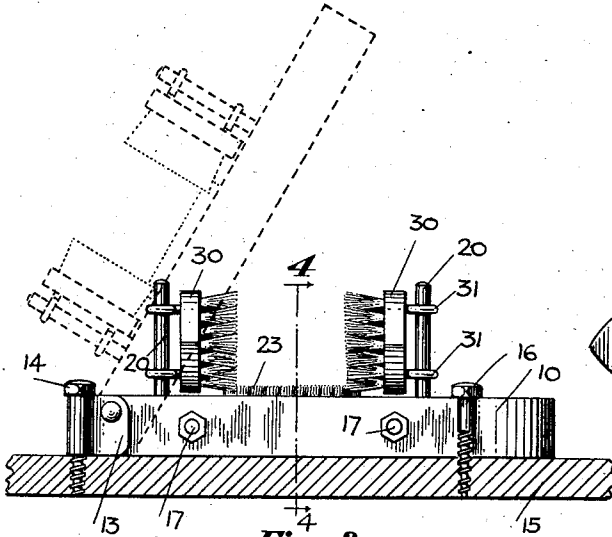


Fig-2-

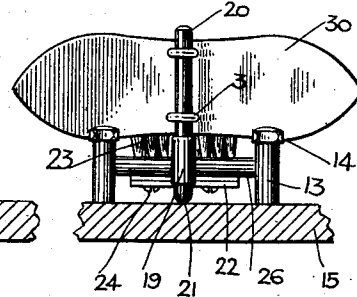


Fig-3-

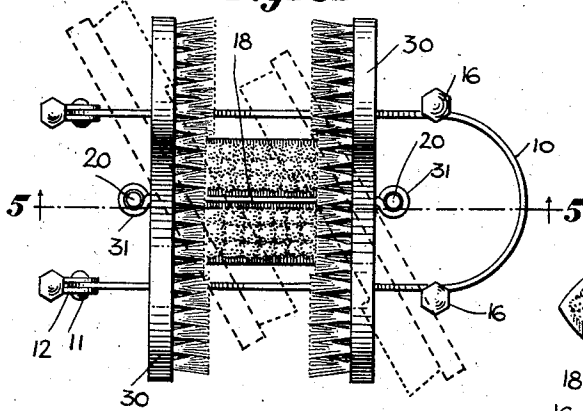


Fig-4-

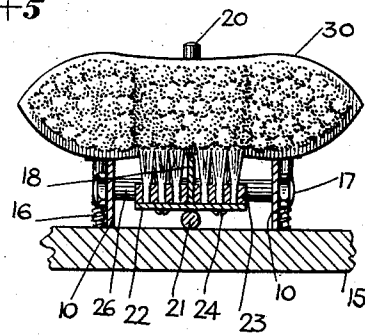
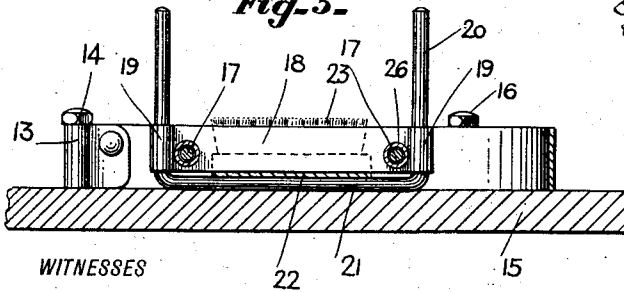


Fig-5-



WITNESSES

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ARTHUR M. FAIRFIELD, OF ST. MARYS, KANSAS.

BOOT-CLEANER.

1,047,624.

Specification of Letters Patent.

Patented Dec. 17, 1912.

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To all whom it may concern:

Be it known that I, ARTHUR M. FAIRFIELD, a citizen of the United States, and a resident of St. Marys, in the county of Pottawatomie and State of Kansas, have invented a new and Improved Boot-Cleaner, of which the following is a full, clear, and exact description.

The invention relates to devices to be placed on the floor, and conveniently supported to permit the user to place his foot against the scraper and brushing members.

The object of my invention is to provide an improved boot and shoe cleaner of the general character indicated, to the end that the shoe may be quickly and efficiently cleaned by the brushing elements of the cleaner.

The invention will be more particularly explained in the description hereinafter to be given.

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 views.

Figure 1 is a side elevation of my improved shoe-brushing device, indicating in dotted lines the raised position of the brush frame to facilitate cleaning; Fig. 2 is an end view; Fig. 3 is a plan view; Fig. 4 is a cross section on the line 4—4 of Fig. 1; and Fig. 5 is a longitudinal section on the line 5—5 of Fig. 3.

In constructing a boot and shoe brushing device in accordance with my invention, a U-shaped frame 10 is provided, having the ends of its legs pivoted as at 11 to the ends 12 of straps 13. The straps are bent on themselves and formed into an eye at the bend, for receiving securing screws 14 or the like, whereby the straps are held to the floor 15, or any other suitable support constituting a base for the wiping device. Adjacent to the U-bend of the frame 10, I provide additional screws 16, or other members formed with heads or shoulders beneath which the sides of the frame 10 may be sprung, as shown in Fig. 3. The sides of the frame 10 are united by transverse bolts 17, and on said bolts also, at a point about equidistant between the sides of the frame 10, a vertical plate or strap 18 is secured, each end of which is formed into an eye 19. A rod is employed formed in U-shape and consisting of the vertical arms 20 and hori-

zontal base bar 21. The eyes 19 of the vertical plate 18 receive the vertical arms 20, and the horizontal bar 21 ranges longitudinally of the frame 10 and passes beneath the metallic back 22 of a two-part brush, composed of two individual brushes 23, the backs of which are removably secured, as by screws 24, to the metallic brush back or carrier 22. In securing the described strap 18 on the bolts, the bolts are fitted with sleeves 26 between the sides of the frame 10 and the strap 18, so that when the bolts 17 are tightened up, the strap is firmly held in place and constitutes a member of the frame. The brushes 23 are disposed horizontally, with the bristles upward to brush the sole of the shoe and the lower portions of the upper.

Co-acting with the described brushes, additional brushes 30 are provided, the backs of which are disposed vertically, the brushes being spaced apart so that the user can place his foot between said brushes and onto the brushes 23. Each brush 30 is provided on its back with pairs of eyes 31, which may be ordinary screw-eyes, and these slip over the vertical arms 20 so that the said rod holds all of the brushes of the device on the swinging frame 10. The brushes 30 are free to move independently, swinging in an arc around the arms 20 and by a proper movement of the foot the user can cause the device to effectively wipe the shoe.

When the frame is swung upwardly into the position shown by dotted lines in Fig. 1, the arms 20 may be moved to release the brush back 22 and brushes 23 so as to renew the brushes 23 when necessary. The bodily swinging of the frame with all the members, also permits the floor or base to be swept and the cleaning device to be conveniently and thoroughly cleaned.

The strap 18 and the sides of the frame 10 constitute scrapers, being disposed vertically, and the bristles in the bottom brushes 23 yield sufficiently to enable the user to scrape the sole and heel of the shoe over the sides of the frame 10 and the strap 18, while the bristles of the brushes remove such dirt as is not taken off by the scraper.

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

1. A shoe-cleaning device, comprising an approximately horizontal rod having upwardly projecting arms, an upwardly facing brush supported on said rods, and a clamp-

ing member above said brush and co-acting with the rod to clamp the brush, the said clamping member having its ends slidably fitting the arms of the said rod.

5 2. A shoe-cleaning device, comprising side members presenting scraping edges, a horizontal rod having upwardly projecting arms at the ends, said rod being disposed between the mentioned side members, a brush
10 resting on said rod, a scraper member having eyes at its ends slidably fitting the arms of the rods, said scraper member ranging between said arms above the brush and co-acting with the rod to clamp the brush in
15 place, and additional brushes mounted on the said arms to swing thereon.

3. The combination with a frame having yielding sides and carrying shoe-wiping devices, and means for hinging said frame

near one end, of means for engaging the 20 opposite end of the frame, at the sides and into engagement with which last-mentioned means the sides of the frame may be sprung.

4. A boot cleaner comprising a frame having side members constituting scrapers, 25 and a third vertical member between said side scrapers forming a third scraper, brushes between the said scrapers, means for detachably supporting said brushes, and oppositely disposed brushes detachably supported above the mentioned scrapers. 30

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ARTHUR M. FAIRFIELD.

Witnesses:

WM. H. GILL,
LUCELIA N. GILL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."