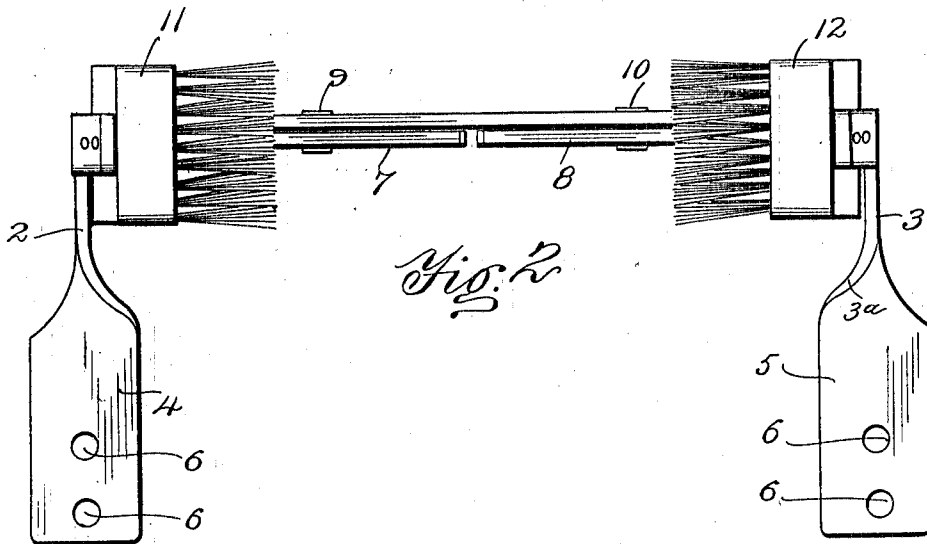
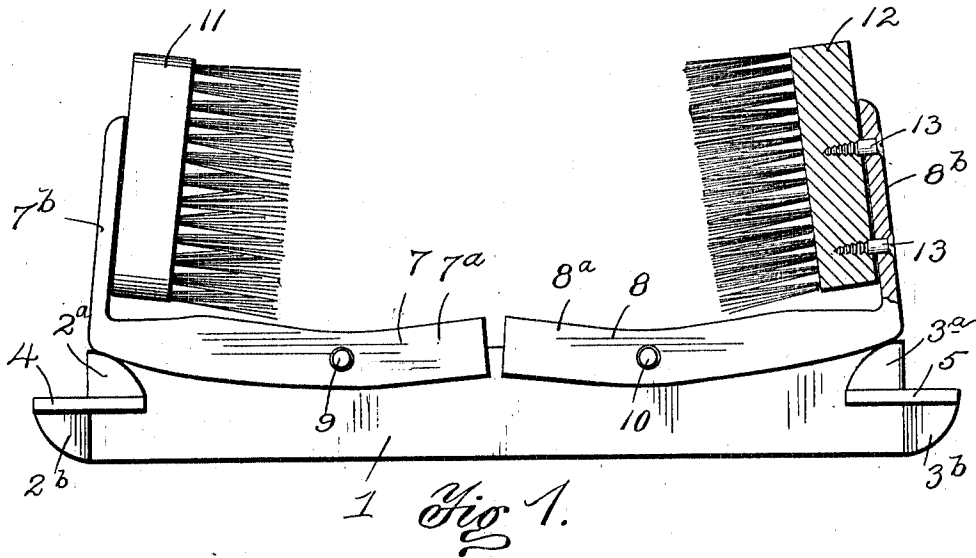


S. H. FREDERICK.
SHOE CLEANING DEVICE.
APPLICATION FILED MAY 10, 1911.

1,059,292.

Patented Apr. 15, 1913.

2 SHEETS—SHEET 1.



Witnesses
M. P. McKee
John A. Cunningham

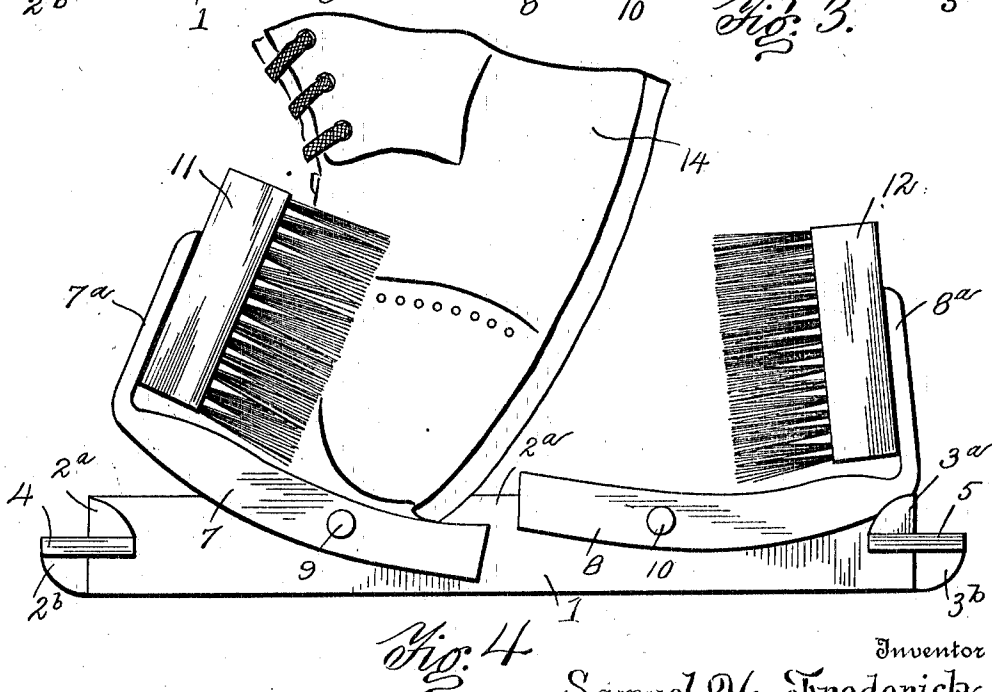
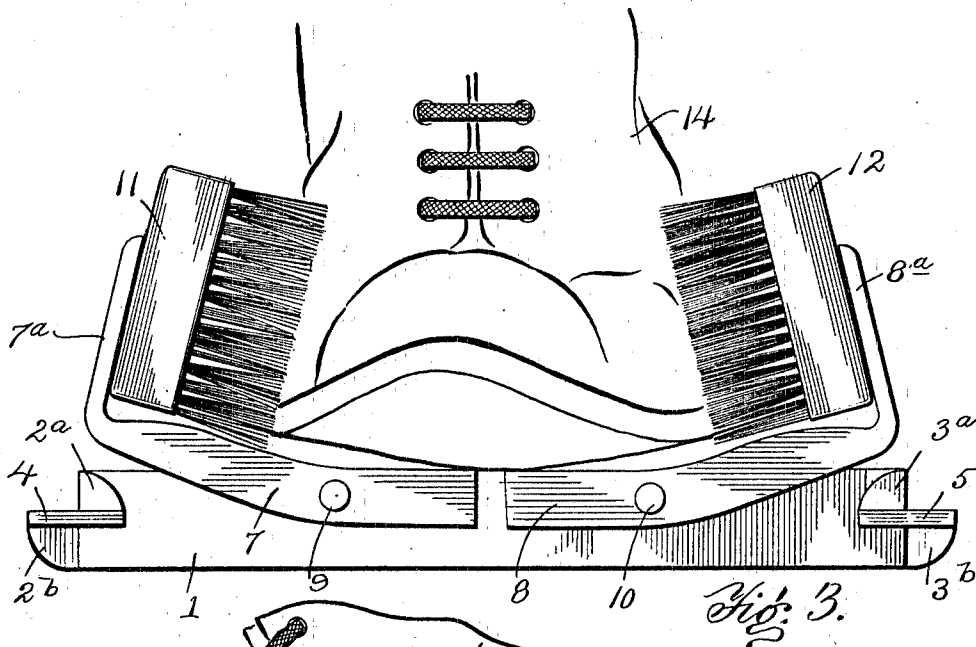
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UNITED STATES PATENT OFFICE.

SAMUEL H. FREDERICK, OF COLON, MICHIGAN.

SHOE-CLEANING DEVICE.

1,059,292.

Specification of Letters Patent.

Patented Apr. 15, 1913.

Application filed May 10, 1911. Serial No. 626,384.

To all whom it may concern:

Be it known that I, SAMUEL H. FREDERICK, a citizen of the United States, residing at Colon, in the county of St. Joseph and State of Michigan, have invented certain new and useful Improvements in Shoe-Cleaning Devices, of which the following is a specification.

This invention relates to a shoe cleaning device, simple in construction and efficient in use.

One object is to remove dirt, mud and other foreign matter from the bottom and sides of a shoe at a single operation.

Another object is to provide a shoe cleaner operating to clean a shoe worn by the user, the foot of the user being moved over the device to effect the removal of the dirt, mud, snow or the like.

With the above and other objects in view my invention consists in the combination, arrangements, and details of construction shown in the drawings described in the specification and then more particularly pointed out in the appended claims.

Similar reference characters designate similar parts in the respective views.

In the drawings Figure 1 is a front elevation of the shoe cleaner, Fig. 2 is a top plan view thereof, Fig. 3 is a front elevation of the device showing the two brushes in use, and Fig. 4 is a front elevation of the device showing one brush in use.

The shoe cleaner comprises a relatively narrow vertically disposed cross piece 1 formed at opposite ends with preferably integral rectangular projections or arms designated 2 and 3 respectively. These arms are each formed by twisting a definite portion at each end of a preferably uniform sized metallic strip so that the flat and horizontally disposed members 4 and 5 respectively, may by means of the turns 2^a and 2^b, and 3^a and 3^b, respectively, be projected at right angles to said strip. The cross piece 1 serves as a scraper and the members 4 and 5 are fastening lugs, through the openings 6 in which screws may be driven into any suitable support, such as a floor. The turns 2^a and 2^b, and 3^a and 3^b are formed intermediate the ends of the projections 2 and 3 so that the innermost ends of said projections are vertically disposed with respect to the members 4 and 5.

The cross piece or scraper 1 has pivoted to

it near its upper edge, and on opposite sides of its center two brush carrying levers 7 and 8, the inner ends 7^a, 8^a of which project slightly above the scraper 1, and the other ends 7^b, 8^b, of which extend upward and slightly inward and have inwardly facing brushes 11 and 12 attached thereto. The brushes are secured in place by screws 13, or other suitable means. The pins 9 and 10 form the pivots for the levers.

The operation of the shoe cleaner is as follows: The device having been fixed to a proper support, the shoe to be cleaned will be thrust between the brushes and pressed down in engagement with the scraper 1, thus depressing the inner arms of the levers and tilting the brushes toward, and in engagement with, the shoes. It will be readily seen that if the shoe be moved over the scraper back and forth with sufficient pressure to keep said brushes duly tilted, the bottom and sides of the upper will progressively and simultaneously be cleaned, and the dirt or mud removed. In Fig. 4 the shoe 14 is caused to depress one of said levers 7 in a vertical plane so that the forward end of the upper may be brought into engagement with the inwardly tilted brush 11. By moving the shoe in different positions in a horizontal plane the foreign matter may be removed from the forward part of the upper.

Claims—

1. In combination a scraper over which a shoe is movable, fastening lugs formed upon the ends thereof, upright brush holders disposed at the ends of said scraper, and means carried by said brush holders projecting above said scraper at its center, said means when depressed causing brush holders to tilt said brushes toward the center of the scraper.

2. A device of the kind described comprising a vertical narrow bar formed at opposite ends with rectangular offsets, having screw-receiving holes, brushes held at an inward incline upon said offsets, a desirable tread projecting above the edge of said bar, and means actuated by said tread to cause one or both of said brushes to move toward the center of said scraper.

3. A device of the kind described comprising a scraper, means for fastening said scraper, and brush carrying levers pivoted to said scraper and having their inner ends

normally projecting above the center of the latter, said brushes being attached to the outer ends of the levers and held at an inward incline.

5 4. A shoe cleaner comprising a horizontally-extending scraper, means for fastening said scraper, levers pivoted each at one end to said scraper and having their inner ends normally projecting above the scraper, 10 means for supporting said levers and brush-carrying arms integrally formed at an inward incline upon said levers, the projecting portions of the levers being arranged to be depressed before a shoe makes engagement with said scraper, to cause said brushes 15 to be tilted.

5. In combination a vertically disposed cross piece, rectangularly extending offsets

formed on said cross piece and terminating in horizontal perforated lugs, two pins extending at spaced apart points from said 20 cross piece, levers fulcrumed near their inner ends upon said pins, and having relatively long portions resting on said rectangular offsets, the inner ends of said levers having portions extending above said cross 25 piece, upright arms integrally formed upon the outer ends of said levers at an inward incline, and brushes secured to the inner sides of said inwardly inclined arms.

In testimony whereof I affix my signature 30 in presence of two witnesses.

SAMUEL H. FREDERICK.

Witnesses:

WALTER J. DICKINSON,
D. L. AKEY.

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