

(No Model.)

W. A. McCREERY & J. TAYLOR.
SHOE CLEANER.

No. 530,707.

Patented Dec. 11, 1894.

Fig. 1.

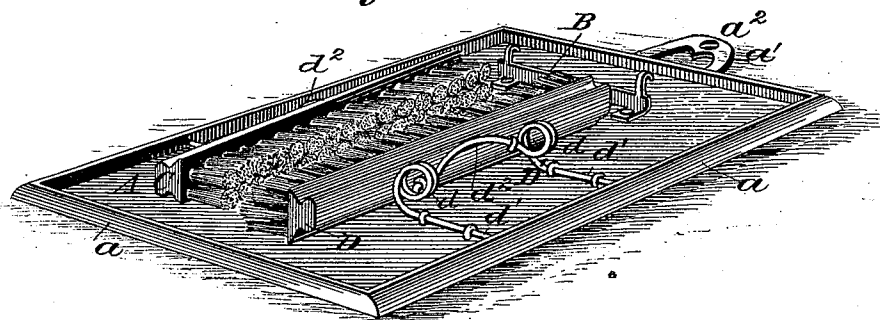


Fig. 2.

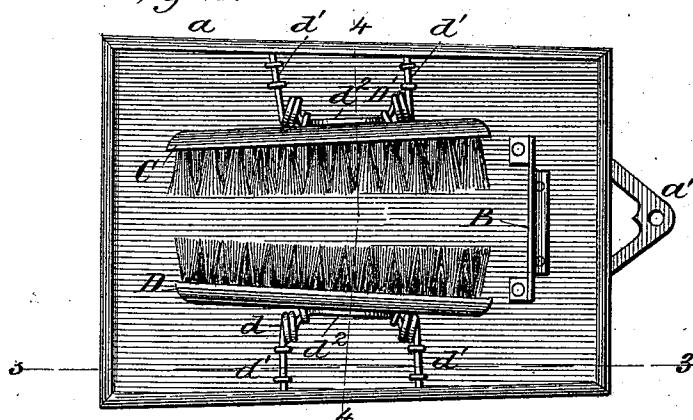


Fig. 3.

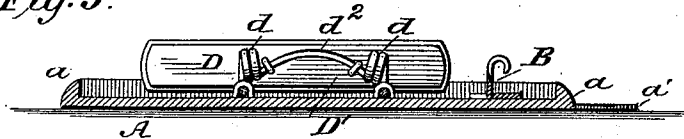
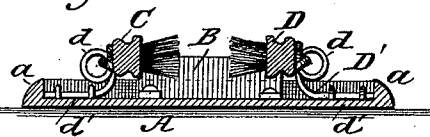


Fig. 4.



WITNESSES:
Irene Dieterich
A. E. Dieterich

INVENTORS
WILLIAM A. McCREERY
JOHN TAYLOR

BY
John W. Omeara
ATTORNEY.

UNITED STATES PATENT OFFICE.

WILLIAM A. MCCREERY AND JOHN TAYLOR, OF FRANKLIN, KENTUCKY.

SHOE-CLEANER.

SPECIFICATION forming part of Letters Patent No. 530,707, dated December 11, 1894.

Application filed May 14, 1894. Serial No. 511,248. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM A. MCCREERY and JOHN TAYLOR, residing at Franklin, in the county of Simpson and State of Kentucky, have invented a new and useful Improvement in Shoe-Cleaners, of which the following is a specification.

Our invention relates to that class of shoe cleaning devices, or foot scrapers usually placed at the entrance to a dwelling, and it has primarily for its object to provide a device of this character simple and inexpensive in construction and which will effectively serve for its intended purpose.

It also has for its object to provide a device of this kind having in connection with the scraping and dirt-collecting portions, suitably arranged brush devices, which are adapted to form cleaners for the sides and edges of the soles of the shoe.

The invention consists in the peculiar combination and novel arrangement of parts hereinafter first described in detail and then particularly pointed out in the claim, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of our improved shoe-cleaner. Fig. 2 is a plan view thereof. Fig. 3 is a longitudinal section of the same on the line 3—3, Fig. 2; and Fig. 4 is a transverse section of the same on the line 4—4, Fig. 2.

In its practical construction, our improved device comprises a bed-plate A, having upwardly projecting ledges *a a* at its ends and sides, whereby a dirt-collecting pan or trough is provided, at one end of which is formed an eye or bail portion *a'* which is apertured as at *a²* and serves as a hanger for supporting the device when not in use, and means for securing it to the floor or step of the building when in use. Near one end the body A has secured thereto a vertically disposed steel scraper B, of the ordinary shape, for cleaning the bottom of the shoe, in front of which are disposed the cleaning brushes C, D. The peculiar arrangement and combined relation of same with the scraper forms the essential feature of our invention.

It will be noticed by reference to Fig. 2

that these brushes, which in themselves are of the ordinary construction, are arranged to face each other and to project longitudinally forward from the inner edge of the scraper, and such brushes are arranged with their bristle faces converging from the scraper toward the front, whereby they will be separated more at the scraper end than at the front. The object in thus placing the brushes is that as the boot is placed onto the scraper, the toe portion will be forced between the brushes, which owing to their tapering relation will the more snugly fit against the edges of the foot and thereby the more readily serve to clean the sides thereof as the clogging dirt is scraped from the sole and heel of the shoe. Furthermore, by arranging the brushes with their faces converging, the outer or front ends will be sufficiently close together to afford a convenient foot space for ladies' or children's shoes, while the rear ends are sufficiently separated to allow for the insertion of men's shoes. These brushes, it will be noticed, are spring-pressed to their inward position, and for such purposes, bail-like members *D'* are provided having coil spring portions *d*, foot portions *d'* whereby they are conveniently secured to the base, and vertically disposed bail portions *d²* intermediate the coils *d*, which are secured to and bear against the rear faces of the brushes as most clearly shown in Fig. 2. By reference to such figure, it will be noticed that the spring foot portions *d'* are of different lengths, with their ends bearing against the ledges *a*, so as to hold the bail portions *d²* at the proper angles to hold the brushes with their bristle faces converging as before stated.

From the foregoing description, taken in connection with the drawings, it is thought the advantages of our invention will be readily apparent. The same is of a very simple construction, can be cheaply manufactured, the brushes being so attached that they can be easily removed when worn, and new ones connected with the spring bails.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

In a shoe-cleaning device of the kind described, the combination with the base or

trough-like member, the scraper and the longitudinally disposed brushes, of the spring bails, having securing arms of unequal length secured to the base, said arms ending in
5 spring coils, said coils being connected by an intermediate vertically disposed bail-like portion secured to the backs of the brushes, all arranged substantially as shown, whereby the said brushes will be spring-pressed toward
10 each other and held with their brush faces forced toward each other, and with their op-

erating faces converging from the scraper end to the outer end, as and for the purposes described.

In testimony whereof we affix our signatures 15
in presence of two witnesses.

WILLIAM A. MCCREERY.
JOHN TAYLOR.

Witnesses:

E. S. BRADSHAW,
J. H. LINK.