

W. CONDRY & M. QUINN.
BOOT-CLEANERS.

No. 195,801.

Patented Oct. 2, 1877.

Fig. 1.

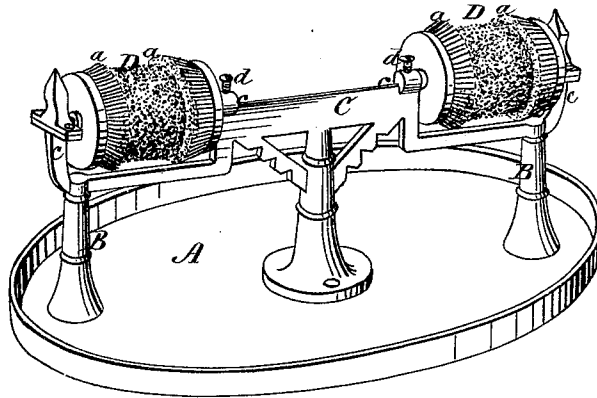
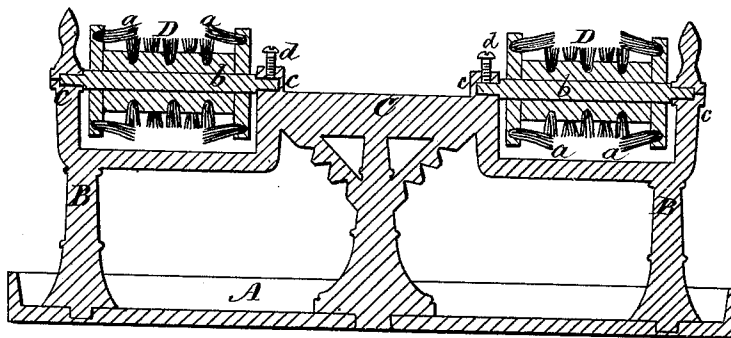


Fig. 2.



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UNITED STATES PATENT OFFICE.

WILLIAM CONDRY AND MARTIN QUINN, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN BOOT-CLEANERS.

Specification forming part of Letters Patent No. **195,801**, dated October 2, 1877; application filed May 8, 1877.

To all whom it may concern:

Be it known that we, WILLIAM CONDRY and MARTIN QUINN, both of the city and county of Providence, in the State of Rhode Island, have invented certain new and useful Improvements in Foot-Brushes for Entry or Door Scrapers; and we do hereby declare that the following specification, taken in connection with the drawings furnished and forming a part of the same, is a clear, true, and complete description thereof.

Our invention consists, partially, in the combination, with a scraper and pan for receiving the dirt, and suitable standards, of a cylindrical brush, frictionally mounted upon an axis, whereby, while in use, no one portion thereof will be unduly worn, and will be more readily kept clean and fitted for service.

To more particularly describe our invention, we will refer to the accompanying drawings, in which—

Figure 1 represents, in perspective, an entry or door scraper provided with our improvements. Fig. 2 represents the same in longitudinal central vertical section.

The pan A, standards B, and scraper C are mainly such as have been heretofore constructed and in common use for the removal of mud and dirt from boots or shoes while worn.

The brushes D are cylindrical in form, but have a portion of their bristles so set near each end that shoulders are thereby formed, as at *a*.

It will be seen that the bristles which form these shoulders stand at right angles to the bristles of the main portion of the brush, and that when used after the manner of a scraper the bristles will have complete contact with

the bottom of the boot and the edges of the sole, and effect the removal of mud and dirt from the exposed portion of the boot. The axis *b* of each brush is fixed thereto, and has bearings in the standards *c*. A set-screw, as at *d*, at the standard-bearing engages with the axis, whereby the brush may be rendered either wholly non-rotative, or it may be so arranged that as the foot is drawn upon the brush it will be slightly rotated. The brush will be subjected to uniform service if permitted to rotate, as described; and if secured by the set-screw it may from time to time be slightly rotated for presenting new surfaces for use.

We are aware that cylindrical brushes of a similar character have heretofore been used in boot-blackening machines, in connection with mechanism for revolving them at high speed.

We are also aware that cylindrical mats have been heretofore mounted in standards, and provided with spring locking devices, so that they may be turned and locked at intervals for presenting new surfaces for wear; but we are not aware that a cylindrical brush frictionally mounted was ever before employed in this connection.

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

The combination, with a scraper, pan, and suitable standards, of a frictionally-mounted cylindrical brush, substantially as described.

WILLIAM CONDRY.
MARTIN QUINN.

Witnesses:

J. H. PERKINS,
J. W. CRAWFORD.