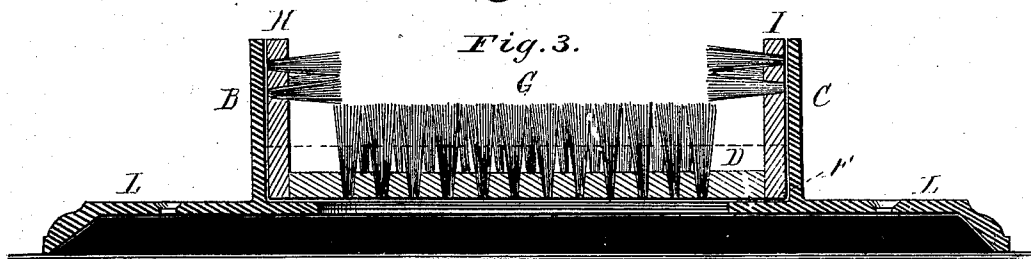
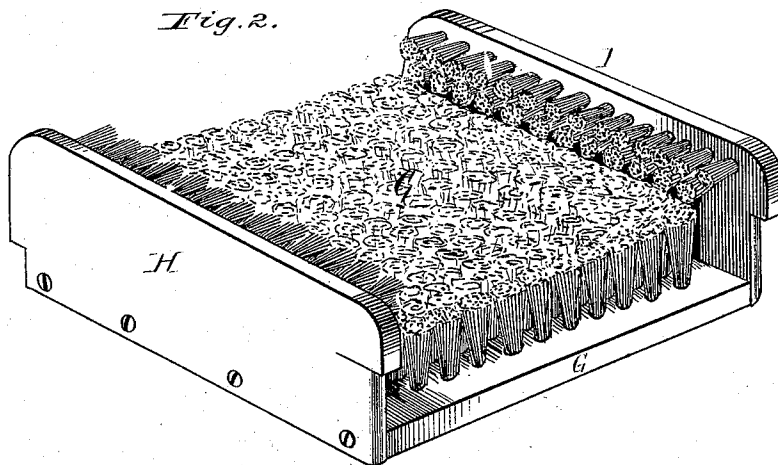
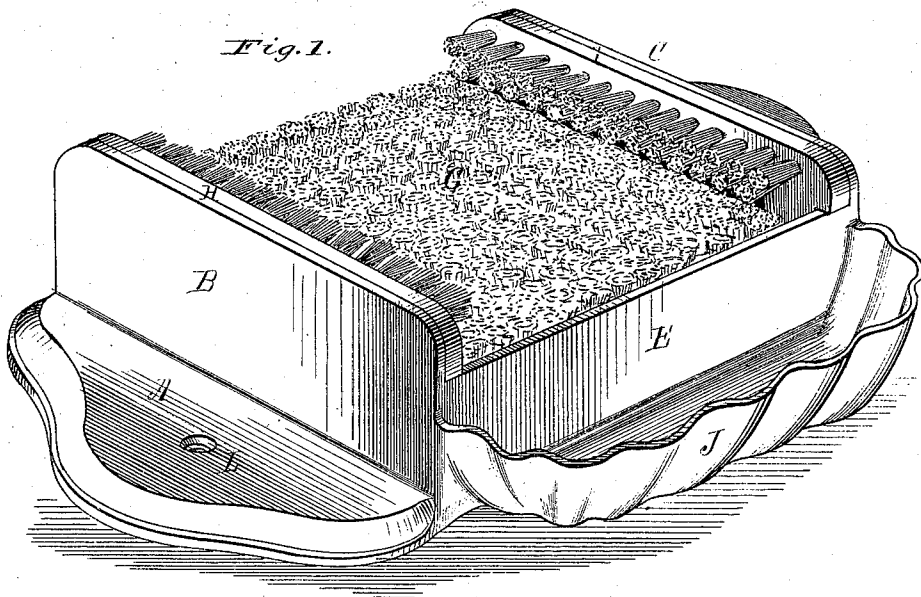


C. W. REED.  
Foot-Scrapers.

No. 154,715.

Patented Sept. 1, 1874.



Witnesses:  
J. S. Coomes  
W. L. Norris.

Inventor:  
Cullin W. Reed.  
By James L. Norris  
Attor.

# UNITED STATES PATENT OFFICE.

CULLIN W. REED, OF CHAGRIN FALLS, OHIO.

## IMPROVEMENT IN FOOT-SCRAPERS.

Specification forming part of Letters Patent No. 154,715, dated September 1, 1874; application filed January 14, 1874.

*To all whom it may concern:*

Be it known that I, CULLIN W. REED, of Chagrin Falls, Cuyahoga county, Ohio, have invented an Improved Combined Boot or Shoe Scraper and Cleaner, of which the following is a specification:

This invention has for its object to produce a new and combined boot or shoe scraper and cleaner, so that both articles are united in a close and compact body, occupying but a small space either in transportation or when placed in position on a step, in a hallway, or other suitable and convenient place. My invention consists in constructing the brush-holder of a rectangular or square frame having vertical side walls, a rear wall, and a front wall of a height less than the side walls, and the said walls being provided with lateral flanges projecting inwardly, said parts being thus constructed and combined with a brush having a brush-surface for cleaning the sole of a boot or shoe, and lateral or inwardly-projecting brush-surfaces for cleaning the sides thereof, the frames or backs of the side brushes being rigidly attached to the frame or back of the bed-brush, so that the boot or shoe to be cleaned must be applied to the brushes instead of the brushes being applied to the boot or shoe, as is the case in the boot and shoe cleaning apparatus now in use. The front walls of the frame serve as a scraper to remove the greater portion of the dirt, and discharges the same into a receptacle or dish located in the front thereof, so that the major portion of mud or dirt is removed from the boot or shoe prior to its being drawn over or applied to the bed or side brushes.

In the drawings, Figure 1 is a perspective view of my improved combined boot or shoe scraper and cleaner in completed form for use; Fig. 2, a perspective view of the bed-brush, with the side brushes removed from the frame; and Fig. 3 is a vertical section illustrating the form of the frame-work, the flange for supporting the brushes, the latter being in position for use, as in Fig. 1.

Referring to the accompanying drawings, it will be seen that the frame or holder A is composed of vertical side walls B and C, a rear wall, D, and front wall E, the rear and front walls being of a height less than that of the

side walls. The said walls are provided with a continuous horizontal or lateral flange or bottom, F, which projects inwardly, preferably, leaving an open central space. Said flange or bottom serves to support and hold the back frame, carrying the brushes G H I, as illustrated in Fig. 3. The side walls B and C, owing to their height, serve to brace and support, in a rigid and substantial manner, the side brushes, preventing the same from being displaced, and supporting them against strain produced thereon when a boot or shoe is applied thereto. The rear wall D and front wall E prevent any displacement of the bed-brush as a boot or shoe is drawn over the same, and said wall, in conjunction with the side walls, serves to inclose the bed-brush on all its edges, holding the frame firmly in its seat without the aid of other fastening devices. The front wall E not only forms a wall for inclosing one edge of the brush, but it also serves the important office of a foot-scraper, so that the major portion of mud or dirt collected or present on a boot or shoe may be removed before applying the same upon the bed or side brushes, the dirt thus removed being discharged into a suitable receptacle or dish, J, preferably formed with the brush holder or frame in front of the scraper or front wall.

By constructing the said front wall of the frame of a height less than the side walls, they offer no obstruction to the free movement of a boot or shoe when drawn over the brushes, or when applied to the side brushes; and it will be seen, as before stated, that, owing to the height of the side walls B C, a provision is made for rigidly supporting the side brushes G and I against all lateral pressure, which is an important and valuable feature, since by my invention the boot or shoe is cleaned by applying it to the brushes instead of the brushes applying themselves.

An open space may be formed in the bottom of the frame to permit the escape of water which may pass through the brushes, the result of rain, and thus preserve the brushes and wood from decay. Suitable flanges project from the side walls of the brush-holder or frame, so as to secure a broad base or foundation, L, for the device, and also admit of fast-

ening bolts or screws passing through the same for securing the apparatus in position.

From the foregoing it will be seen that the brushes can be removed and replaced with perfect ease and facility for the purpose of cleansing, repair, or for substituting new brushes.

The particular form of the dirt-receptacle and other configuration of the frame-work will be made the subject-matter of a design-patent.

I claim—

The bed-brush G, with its side brushes H I, in combination with the side walls B C, rear and front walls D E, and supporting flange or bottom, the side flanges supporting the brushes H I, and the front wall serving as a scraper, substantially as described.

CULLIN W. REED.

Witnesses:

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