

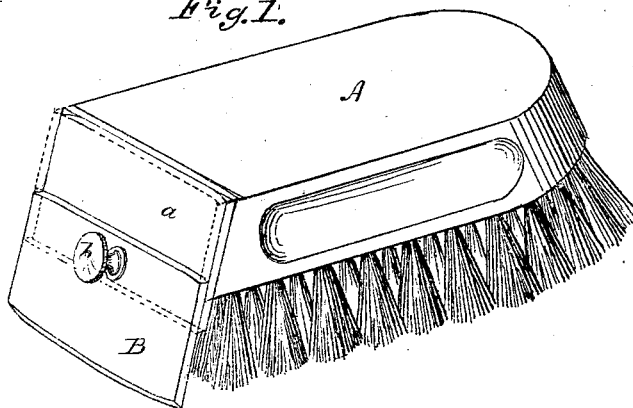
*R. J. Combs,*

*Shoe Brush.*

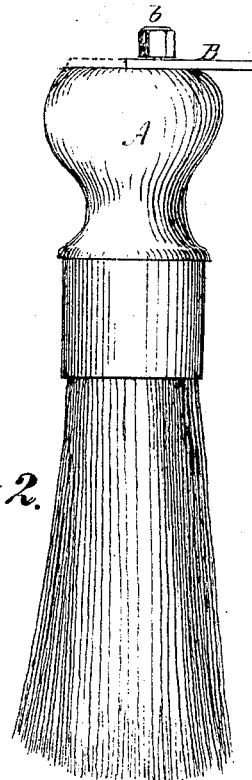
*No. 108,108.*

*Patented Oct. 11, 1870.*

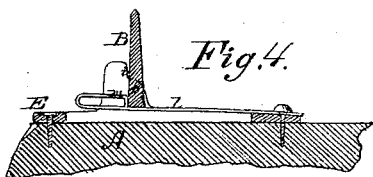
*Fig. 1.*



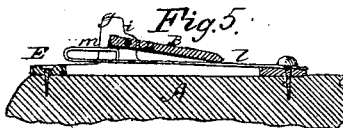
*Fig. 2.*



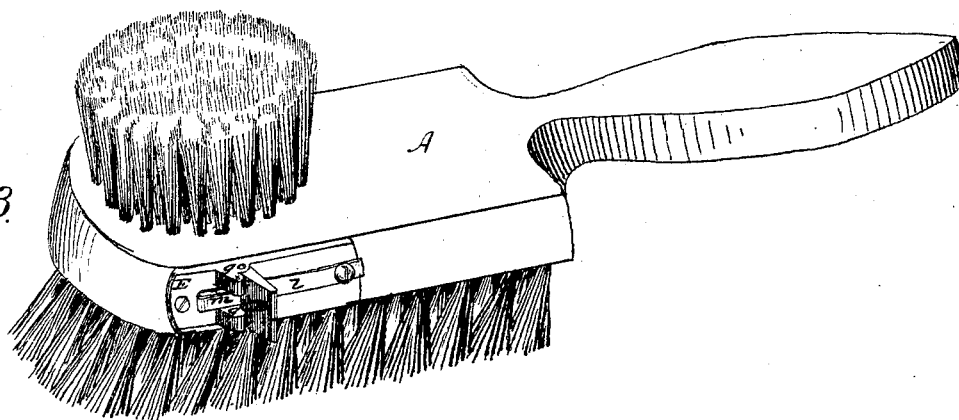
*Fig. 4.*



*Fig. 5.*



*Fig. 3.*



*Witnesses:*

*Phil. T. Dodge*  
*Chas. H. Henshaw*

*Inventor.*

*R. J. Combs*  
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# United States Patent Office.

RICHARD JAKUES COMBS, OF BERGEN, NEW JERSEY.

Letters Patent No. 108,108, dated October 11, 1870.

## IMPROVEMENT IN BRUSHES.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, RICHARD JAKUES COMBS, of Bergen, in the county of Hudson and State of New Jersey, have invented certain Improvements in Brushes, of which the following is a specification, reference being had to the accompanying drawing.

My invention consists in the attachment to brushes, for household use, of adjustable metal scrapers, so arranged that, when not required for use, they can be folded or closed against the brush, out of the way.

Figure 1 is a perspective view of a flat boonder brush, for cleaning pots, pans, pails, &c., having a scraper attached to its back end, and adjusted in position for use.

Figure 2, a perspective view of a round or cylindrical brush, for the same purpose as the former, having a scraper attached to the upper end of its handle.

Figure 3, a perspective view of a shoe-brush, having a hinged scraper attached to one side.

Figures 4 and 5, sectional views of the hinged scraper when closed and when extended.

In constructing the brush shown in fig. 1, I make the body A, or brush proper, in the usual form and manner, with its back end flat; and to this flat end I attach a flat metal plate, *a*, of like size and shape therewith.

I then provide a flat metal scraper, B, of the same size and form as plate *a*, and secure it against the face of said plate by means of a thumb-screw, *b*, passed through both, near their lower edges. The scraper can be turned on the screw as a pivot, so that its edge will project below the face of the brush, as shown in fig. 1, or so that it will be flush on all sides with the plate *a*, as shown in dotted lines in the same figure, and it can be fastened in either position by simply tightening up the screw which presses the scraper against the plate.

When adjusted as shown, the scraper can be readily and conveniently used by grasping the brush in the usual manner, but with the back end foremost, and it thus forms a very convenient and useful adjunct to the brush for scraping loose those particles of matters which adhere so firmly that the brush will not remove them.

The brush shown in fig. 2 is of a cylindrical form, and has its scraper attached to its upper end or handle. The scraper, in this instance, consists of a plate, of suitable shape, pivoted eccentrically on the handle, so that, when turned in one position, it will lie on top of the same, out of the way, and that, when in the opposite position, it will project over the side, as shown.

The pivot, upon which the scrapers turn and by which they are held fast, may either be set-screws, screwing into the brush, or they may be studs, fastened in the brush, and provided on their outer ends with a screw-thread and nut.

In constructing the scraper shown in figs. 3, 4, and 5, I provide a plate, E, having formed thereon two ears, *g*, with shoulders *i*, and between these ears pivot a scraper, B.

To the front of the plate, and extending between the lugs under the scraper, I secure a flat spring, *l*, having a head or shoulder, *m*, as shown in figs. 4 and 5.

The scraper B can be turned on its pivot so as to project outward from the plate, and when so turned, it is held by the shoulder *m* of the spring which engages under its inner end, and by the shoulders *i* of the lug, which bear against one side so that it cannot fold down; but upon pressing back the spring until its shoulder is disengaged from the scraper, the latter is left free to turn down against the plate E, as shown in fig. 5.

The scraper thus constructed I attach to one side of the shoe-brush, as shown in fig. 3, so that, when required for use, it can be extended, as shown, and that, when no longer needed, it can be folded down, so as not to interfere with the use of the brush in polishing.

The bristles of the shoe-brush, and of the other brushes, if desired, are placed or secured to the body with a downward inclination toward its front end, as shown in fig. 3, so that, when in use, all the dirt, dust, &c., will be thrown away from, instead of toward, the user. This arrangement I have found to be a very great improvement over the brushes as ordinarily made, in using which the garments are frequently soiled by dirt thrown upon them by the brush.

It is obvious that the form, position, and arrangement of the scrapers may be varied to adapt them to different brushes, the main object being always to so arrange them as that they may be extended or closed at will, the forms shown in the drawing being but modifications of the same idea.

### Claim.

A brush having a scraper, B, pivoted thereto, as herein shown and described, for the purpose of being adjusted for use or turned out of the way, as set forth.

RICHARD JAKUES COMBS.

Witnesses:

JOSEPH ALDRIDGE, Jr.,  
THOMAS ALDRIDGE.