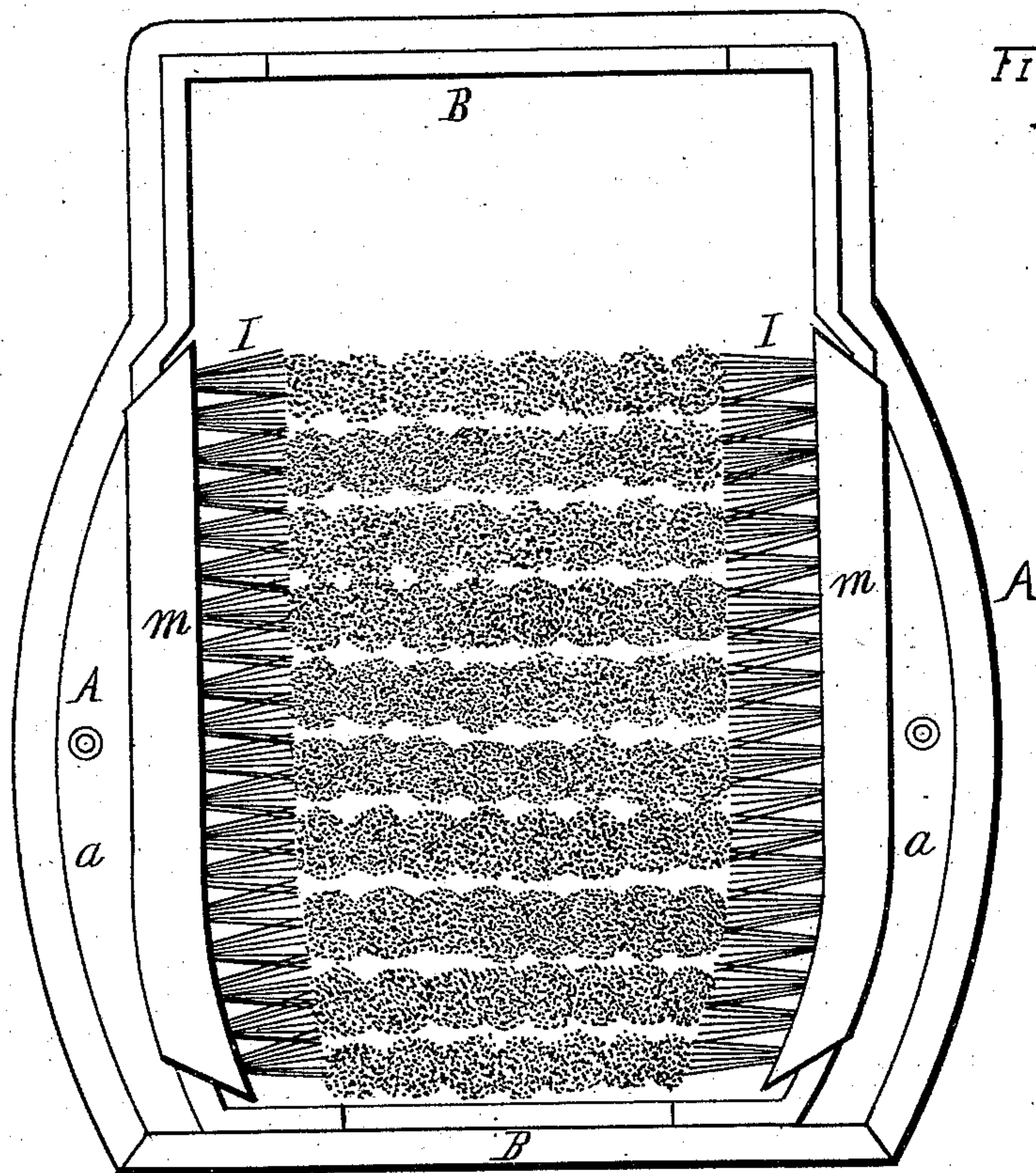
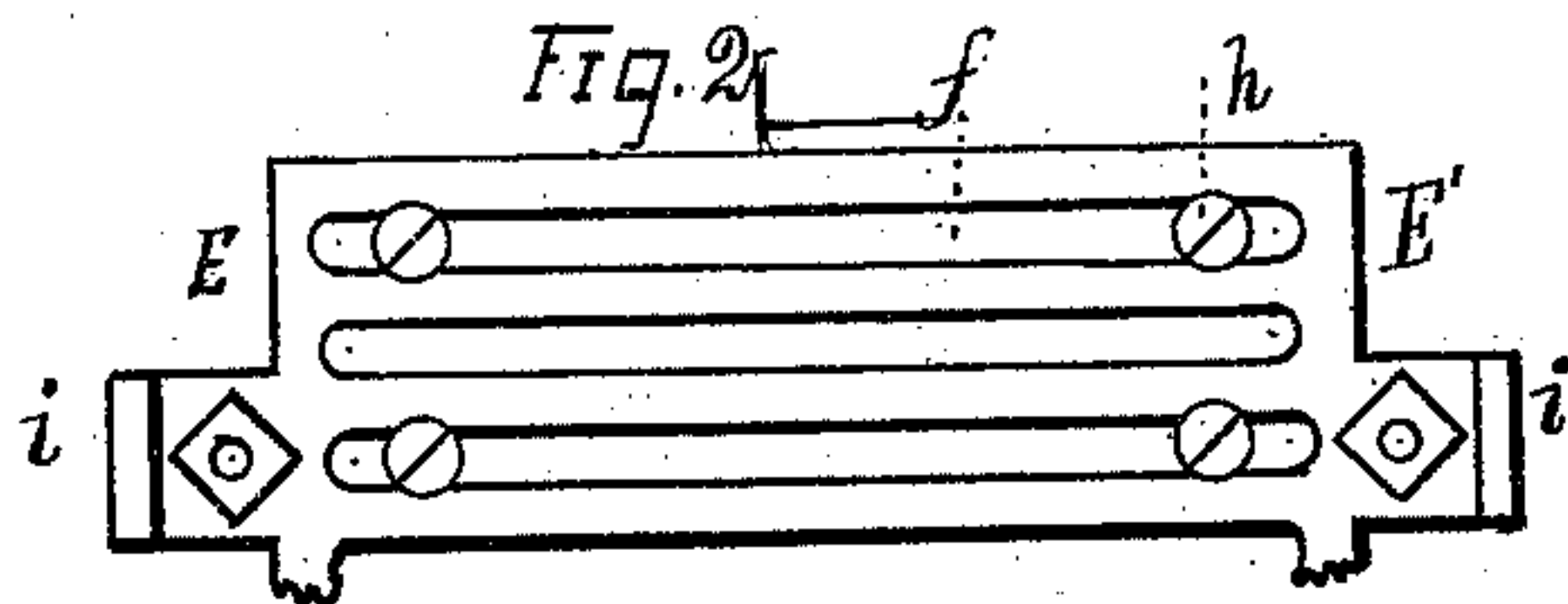
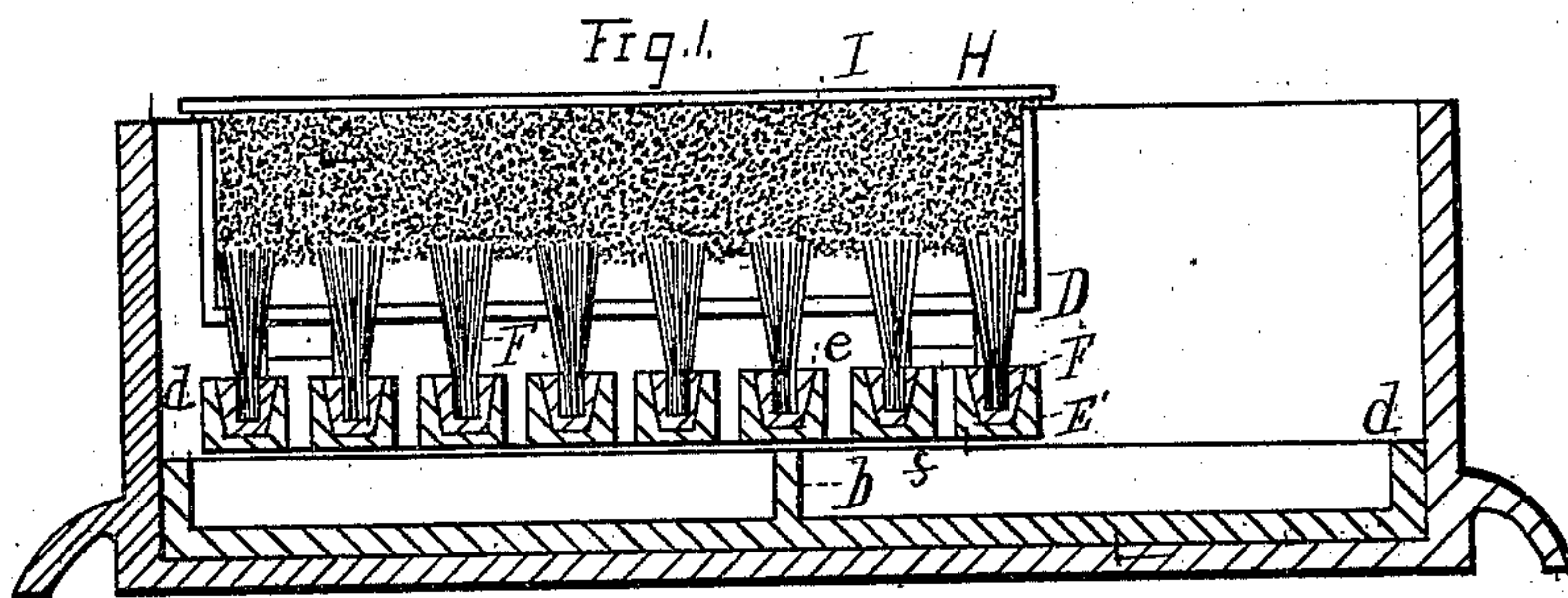


J. A. WORLEY.

BOOT-CLEANER.

No. 173,707.

Patented Feb. 15, 1876.



WITNESSES-
Chas. C. Gill
Goodridge

INVENTOR-
Jno. A. Worley
by his Attys.
Cox & Cox.

UNITED STATES PATENT OFFICE

JOHN A. WORLEY, OF CLEVELAND, OHIO.

IMPROVEMENT IN BOOT-CLEANERS.

Specification forming part of Letters Patent No. **173,707**, dated February 15, 1876; application filed November 5, 1875.

To all whom it may concern :

Be it known that I, JOHN A. WORLEY, of Cleveland, Ohio, have invented a new and useful Improvement in Boot and Shoe Brush and Scraper, of which the following is a specification, reference being had to the accompanying drawings.

The invention relates to an improvement in combined boot and shoe brush and scraper, as hereinafter more particularly detailed.

The object of the invention is to provide a convenient device for cleaning boots and shoes.

Figure 1 is a central longitudinal section of a device embodying the elements of the invention; Fig. 2, a bottom-plan view of the bars. Fig. 3 is a top-plan view of the device.

A in the accompanying drawings is the shell or case, provided on each side with the flange *a*, for securing the case in position. At each end of the case is provided the recess B, the horizontal edge of which serves as a scraper. The lower inner surface of the case is furnished with the supporting-rim *d*, while in the center is placed the stud *d*, which, with the rim, serves to sustain the brush-frame D, the vertical sides of the case A being properly conformed to receive the same. The bottom of the frame D consists of a grate, E, the bars E' of which are properly separated, so as to permit the descent of the dirt between them, and are recessed from end to end with the channel *e*, having at its base the slot *f*, this to receive the backing of the brush F, which is secured in the channel *e* by set-screws *h*. By this arrangement the bristles are allowed free play, and a clear passage for the dirt to fall between the brushes is provided, thus preventing the device becoming clogged, and at same time permitting the ready removal of any brush. At or near each corner of the lower surface of the grate E is provided a lug, *i*, the lower extremity of which rests upon the

bottom of the case A, between the rim *b* and vertical sides thereof, when the frame D is in place, the edge of the grate being generally conformed to the interior of the front part of the case. Upon each side of the grate E are secured the compartments H, having recesses to receive the brushes I, the compartments and brushes both curving at their front ends toward each other, for the purpose of adaptation to the usual conformation of a boot or shoe. The brushes I are secured in place by screws or other suitable movable attachments, while the compartments have flanges *m*, which extend over the upper edges of the vertical sides of the case A.

Operation: The boot or shoe is cleaned by simply passing it over the brush and scraper at end of the case. Thus, in forcing the foot forward, the sole is brought in contact with the brushes F and the front scraper, while the edges of the boot are cleaned by the side brushes I. A contrary movement effects a corresponding contact, except that the sole bears upon the rear scraper instead of the front.

What I claim as my invention, and desire to secure by Letters Patent, is—

The side brushes I, shaped as shown, in combination with the brushes F, secured in the grate E, having the bars E' recessed and slotted, as set forth, all arranged in the case A, having a scraper at each end, substantially as specified.

In testimony that I claim the foregoing improvements in boot and shoe brush and scraper, as above described, I have hereunto set my hand and seal this 28th day of October, 1875.

JOHN A. WORLEY. [L. S.]

Witnesses:

FRED. H. BIERMANN,
GEO. MENDER.