I. HELLER.

BRUSH-HOLDER.

No. 171,128. Patented Dec. 14, 1875.

Fig. 1.

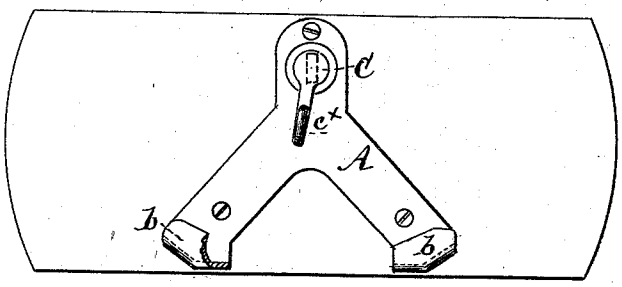



Fig. 2.

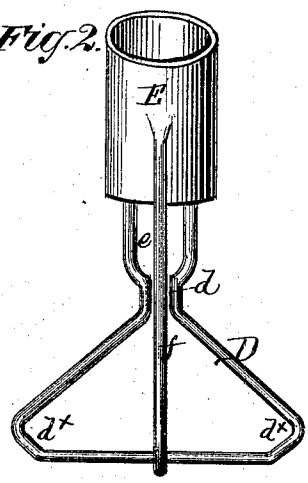



Fig. 3.

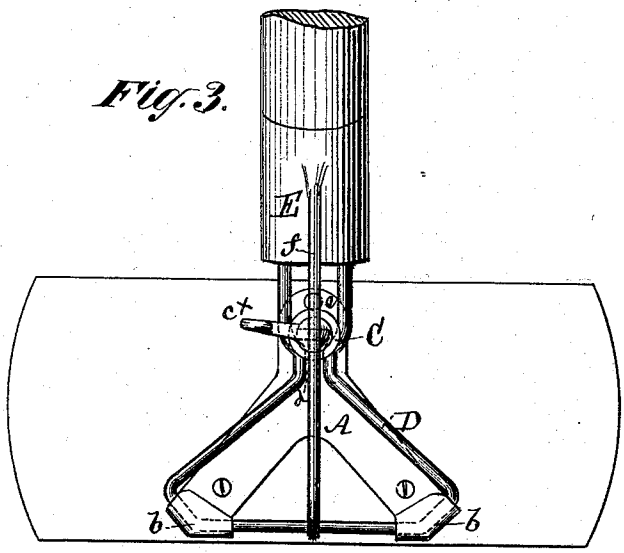
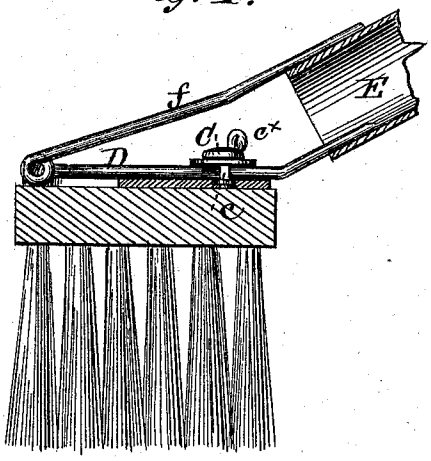



Fig. 4.

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# UNITED STATES PATENT OFFICE.

ISIDOR HELLER, OF NEW YORK, N. Y.

## IMPROVEMENT IN BRUSH-HOLDERS.

Specification forming part of Letters Patent No. **171,128**, dated December 14, 1875; application filed October 19, 1875.

*To all whom it may concern:*

Be it known that I, ISIDOR HELLER, of New York, in the county and State of New York, have invented an Improvement in Brush-Holders; and I do hereby declare that the following is a full, clear, and exact description of the same:

My invention relates to a device which is intended more particularly for application to a sweeping or scrubbing brush, but is applicable to brushes of various descriptions.

The invention consists in a holder of novel construction, made in two parts, one of which is attached to the brush, and the other to a handle, and provided with means for holding the two parts securely when together, and for detaching them when desired.

The accompanying drawing illustrates the construction and operation of my invention.

Figure 1 is a top view of the fixed part of the holder attached to a brush. Fig. 2 is a top view of the detachable portion. Fig. 3 is a top view, showing the two parts secured together and attached to the brush. Fig. 4 is a sectional view of the same.

The two parts of the holder are made of metal, either cast or wrought. The fixed part may be made of plate or sheet metal, and the detachable part of wire, or both parts may be made of cast metal.

A represents a plate, which may be of triangular form, or may have two branches extending in somewhat the form of a letter **Y**. At the ends of the two branches, or two sides of the triangle, are overhanging lips *b b*, for engagement with the detachable part, as hereinafter described. At or near the apex of the triangle, or the junction of the two branches, a button, C, is attached to the plate by a shank, *c*, the inner end of which passes through a hole in the plate, and serves as a pivot for the button to turn on. The portion of the shank between the plate and the head of the button is flattened or elongated, so as to be wider than its thickness; and the button is provided with a thumb-piece, $c^{\times}$, or is otherwise constructed to facilitate turning of the same on its pivot. The plate thus constructed constitutes the fixed part of the holder, and is attached to the brush by screws.

The detachable part of the holder is represented in Figs. 2, 3, and 4 of the drawing as made of wire, and provided with a ferrule for the insertion of a handle. The wire D is in one piece, bent in a nearly triangular form, with its ends attached to the ferrule E. The ends of the wire do not come in actual contact with each other; but at the point where they approach each other to form the apex of the triangle is a slot-like space or opening, *d*, of a width corresponding with the narrowest portion of the shank *c* of the button on the fixed plate. Between the slot *d* and the ferrule the ends of the wire diverge, so as to form a space, *e*, wider than the greatest width of the shank *c* of the button. The wire D may be provided with a brace, *f*, extending from the ferrule to the base of the triangle, for the purpose of strengthening and stiffening the wire. The ferrule E may be elongated, so as to form a handle of itself, or may provide for the insertion of a handle of any suitable length. The wire is shown herein as bent in the most convenient form; but said form may be varied without changing the nature and operation of the invention.

The wire may be in two pieces, with the outer ends bent backward, forming two branches similar in shape to the fixed plate, and each branch may be provided with a separate brace.

The detachable part D is connected and secured to the fixed part A by sliding it forward, so that the narrowest portion of the shank *c* will pass through the slot *d*, and the corners $d^{\times}$ of the wire frame will pass under the overhanging lips *b* of the plate A, and then turning the button C, so that its widest portion will lie in the space *e* transversely of the slot *d*.

By this means the two parts are held securely together, and any backward, lateral, or upward displacement is prevented, and as the plate A is rigidly attached to the brush, the accidental displacement of the brush from the holder is impossible.

By turning the button, so as to allow it to pass through the slot *d*, the detachable portion may be removed from the fixed portion.

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

The plate or frame D, constructed with the slot *d* and enlarged opening *e*, and provided with a handle, E, in combination with the plate A, having the overhanging lips *b b*, and the swivel-button C, the whole constructed to operate substantially as shown and described.

ISIDOR HELLER.

Witnesses:

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