

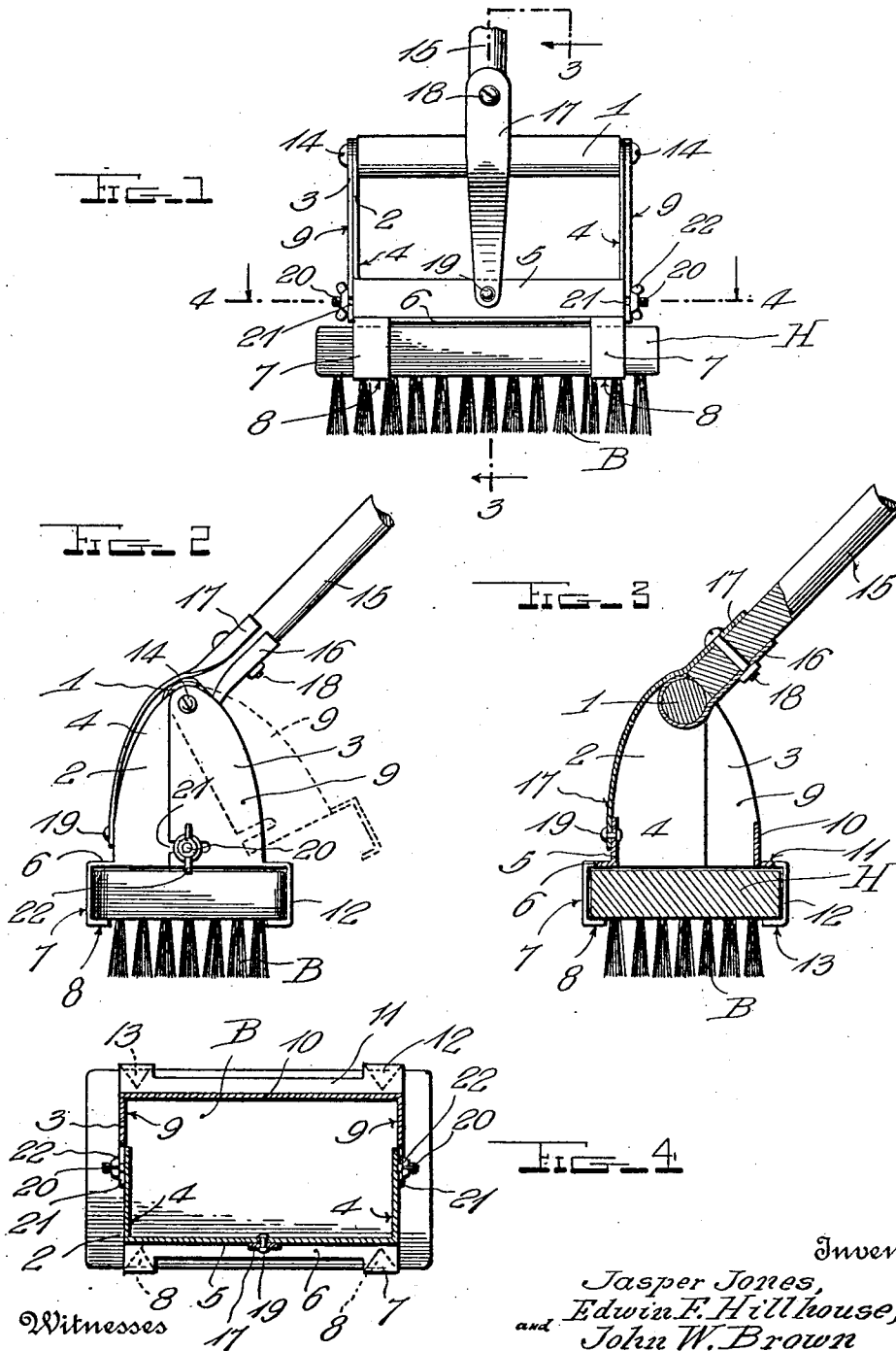
J. JONES, E. F. HILLHOUSE & J. W. BROWN.

BRUSH HANDLE HOLDER.

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UNITED STATES PATENT OFFICE.

JASPER JONES, EDWIN F. HILLHOUSE, AND JOHN W. BROWN, OF NEWARK, OHIO.

BRUSH-HANDLE HOLDER.

1,189,119.

Specification of Letters Patent. Patented June 27, 1916.

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To all whom it may concern:

Be it known that we, JASPER JONES, EDWIN F. HILLHOUSE, and JOHN W. BROWN, citizens of the United States, residing at Newark, in the county of Licking and State of Ohio, have invented certain new and useful Improvements in Brush-Handle Holders; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable other skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in brush handle holders and is particularly adapted to be used in connection with the ordinary type of scrubbing brush.

The object of the invention is to provide a brush handle holder which can be applied to brushes of various sizes, which will be simple, strong, durable and inexpensive to manufacture, efficient and reliable in operation, and one which will be well adapted to the purpose for which it is designed.

With this and other objects in view, the invention consists of certain novel features of construction, and the combination and arrangement of parts which will be hereinafter fully described and claimed.

In the accompanying drawings in which similar reference numerals designate like parts throughout the several views: Figure 1 is a front elevation of an ordinary type of scrubbing brush having applied thereto a device constructed in accordance with this invention; Fig. 2 is a side elevation of the same, showing the opened position of the pivoted jaw of the holder in dotted lines; Fig. 3 is a sectional view taken on the line 3—3 of Fig. 1; and Fig. 4 is a horizontal section view taken on the line 4—4 of Fig. 1.

The preferred embodiment of this invention comprises a cylindrical shaft 1 preferably of wood, but which may be made of any other suitable material, a relatively fixed jaw 2, and a relatively movable jaw 3. The fixed jaw 2 is composed of a pair of substantially quadrant shaped metal plates 4 arranged in parallel planes and in coincident relation at the extremities of the shaft 1. Secured to the outer edges of the plates 4 at their lower ends is a metal strip 5, the latter being provided with a laterally extending flange 6. Depending below this flange 6 at each end thereof is an arm 7, the lower ends of which are turned inwardly and pointed to form a pair of claws 8.

The movable jaw 3 is constructed similarly to the fixed jaw 2, being composed of a pair of substantially quadrant shaped parallel plates 9 arranged in coincident relation at the ends of the shaft 1, said plates 9 extending in opposite directions from the plates 4 and having their inner edges overlapping those of the latter. The outer edges of the plates 9 at the lower ends thereof are connected by a strip 10, which, like the strip 5, is provided with a flange 11, depending arms 12, and inwardly projecting claws 13. The plates 4 and 9 are secured to the ends of the shaft 1 by bolts or screws 14 which pass through the upper corners of the latter into the extremities of said shaft.

Extending upwardly and backwardly from the shaft 1 intermediate the ends of the latter, is a handle 15, the lower end of which abuts the side of said shaft and is provided with a pair of straps 16 and 17 disposed on opposite sides of the handle 15. A rivet or bolt 18 passing through the handle 15 and straps 16 and 17, connect the same together. The strap 16 is bent under and around the shaft 1, while the strap 17 is passed over said shaft and has its ends secured to the aforesaid strip 5 in any suitable manner, here shown by a rivet 19. From this construction and arrangement of parts it may be seen that the jaw 2 is thus held rigid with respect to the handle 15 and shaft 1, while the jaw 3, not being braced, is pivoted to the ends of said shaft.

The lower ends of the plates 4 near their inner edges are provided with bolts 20 projecting outwardly from the outer face of said plates, and the inner edges of the plates 9 near their lower ends are provided with notches 21 which receive the bolts 20, the ends of the latter being provided with thumb nuts 22, whereby the jaws 2 and 3 may be adjustably clamped together.

In operation, the device is used in connection with an ordinary scrubbing brush B, which latter is disposed and clamped between the jaws 2 and 3 as best seen in Fig. 2. The arms 7 and 12 contact with the side edges of the brush handle H and the claws 8 and 13 engage the under face of the latter. As the jaws 2 and 3 are adjustable with respect to each other, brushes of various sizes and styles may be used in connection therewith.

Various changes in form and proportion may be resorted to without departing from

the spirit of this invention, and hence we do not wish to be limited to the structure herein shown and described other than that set forth in the appended claims.

5 We claim:

1. A brush handle holder comprising a horizontal shaft, a relatively fixed jaw secured to the ends of said shaft, a relatively movable jaw pivoted to the ends of said shaft, cooperating means carried by said jaws for adjustably clamping the latter together, and a handle secured to and extending upwardly from said shaft.

2. A brush handle holder comprising a horizontal shaft, a pair of plates arranged in coincident relation and secured to the extremities of said shaft, a strip connecting said plates whereby to provide a relatively fixed jaw, an additional pair of plates arranged in coincident relation and pivoted to the extremities of said shaft, an additional strip connecting said additional plates whereby to provide a relatively movable jaw, cooperating means carried by said plates for adjustably clamping the latter together, and a handle secured to and extending upwardly from said shaft.

3. A brush handle holder comprising a horizontal shaft, a pair of quadrant shaped plates arranged in coincident relation and secured to the extremities of said shaft, a strip connecting said plates whereby to provide a relatively fixed jaw, claws secured to the lower edge of said strip, an additional pair of quadrant shaped plates arranged in coincident relation and pivoted to the extremities of said shaft, said additional plates extending oppositely from the first mentioned plates, an additional strip connecting said additional plates whereby to provide a relatively movable jaw, additional claws secured to the lower edge of said additional strip, cooperating elements carried by said plates for adjustably clamping the latter together, and a handle secured to and extending upwardly from said shaft.

4. A brush handle holder comprising a horizontal shaft, a pair of quadrant shaped plates arranged in coincident relation and secured at their upper ends to the extremities of said shaft, a strip connecting the lower ends of said plates whereby to provide a relatively fixed jaw, inwardly projecting claws depending from the lower edge of said

strip, an additional pair of quadrant shaped plates arranged in coincident relation and pivoted at their upper ends to the extremities of said shaft, said additional plates extending oppositely from and overlapping the first mentioned plates, an additional strip connecting the lower ends of said additional plates whereby to provide a relatively movable jaw, additional inwardly projecting claws depending from the lower edge of said additional strip, said additional plates being provided with notches in their inner edges near the lower ends of the latter, bolts extending through the lower ends of the first mentioned plates near their inner edges, said bolts being disposed within said notches, nuts on the ends of said bolts for adjustably clamping said plates together, and a handle secured to and extending upwardly from said shaft.

5. A brush handle holder comprising a horizontal shaft, a pair of plates disposed adjacent the extremities of said shaft, a strip connecting the lower ends of said plates, an additional pair of plates disposed adjacent the extremities of said shaft, an additional strip connecting the lower ends of said additional plates, bolts extending through the upper ends of said plates to connect the same to the extremities of said shaft, a handle extending upwardly from and secured to said shaft, and a strap secured at one of its ends to said handle and at its other end to the first mentioned strip, whereby the latter and the first mentioned plates are held rigid with respect to said shaft, the additional plates being pivoted thereto, substantially as and for the purpose set forth.

6. A brush handle holder comprising a horizontal shaft, a relatively fixed jaw secured to said shaft, a relatively movable jaw pivoted to said shaft, means for locking said movable jaw in adjusted position, and a handle secured to said shaft.

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

JASPER JONES.
EDWIN F. HILLHOUSE.
JOHN W. BROWN.

Witnesses:

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