

(No Model.)

B. S. BAXTER.
BRUSH.

No. 573,198.

Patented Dec. 15, 1896.

Fig. 2.

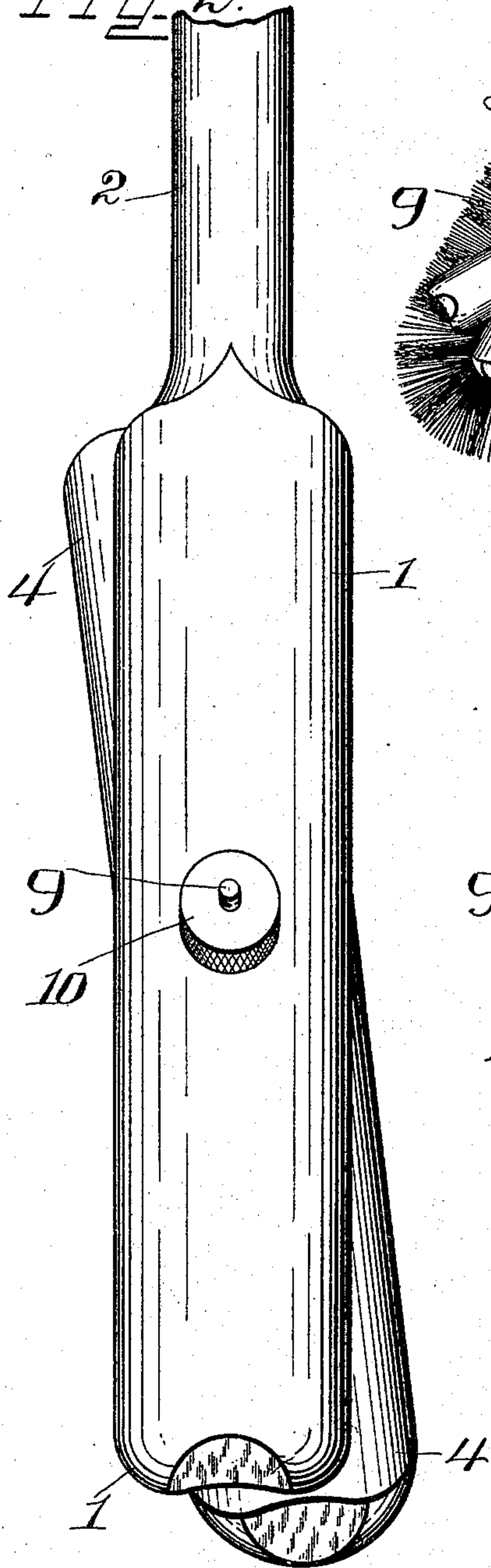


Fig. 3.

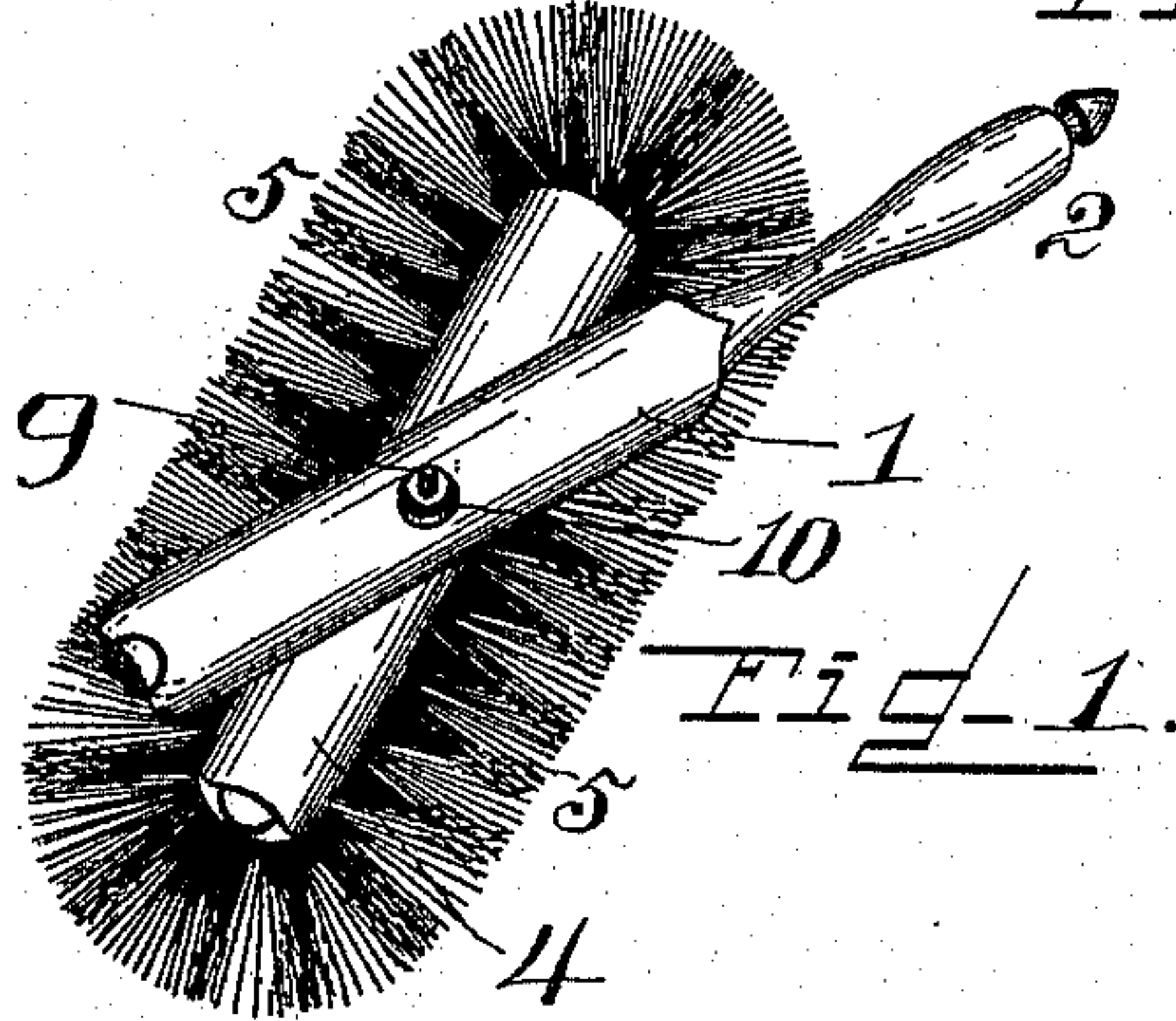
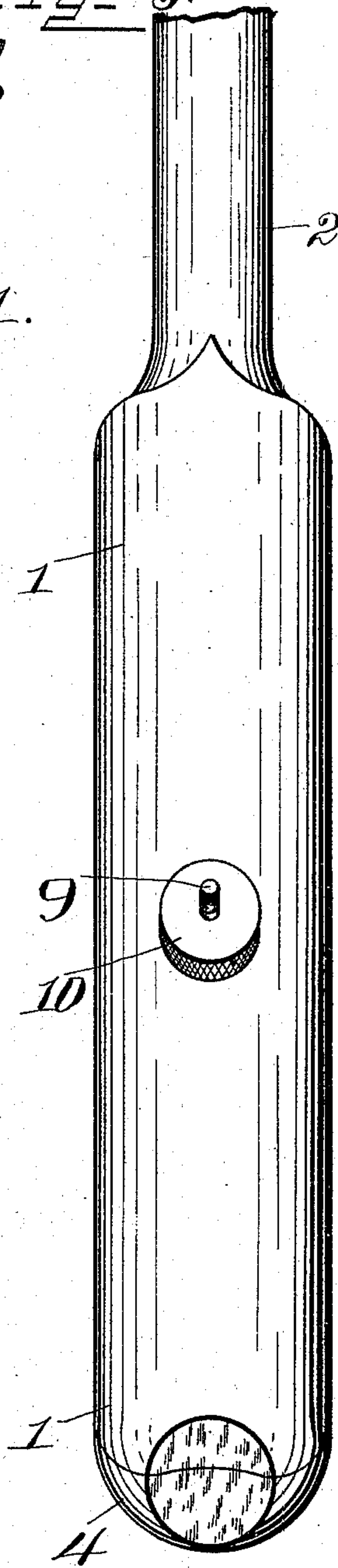
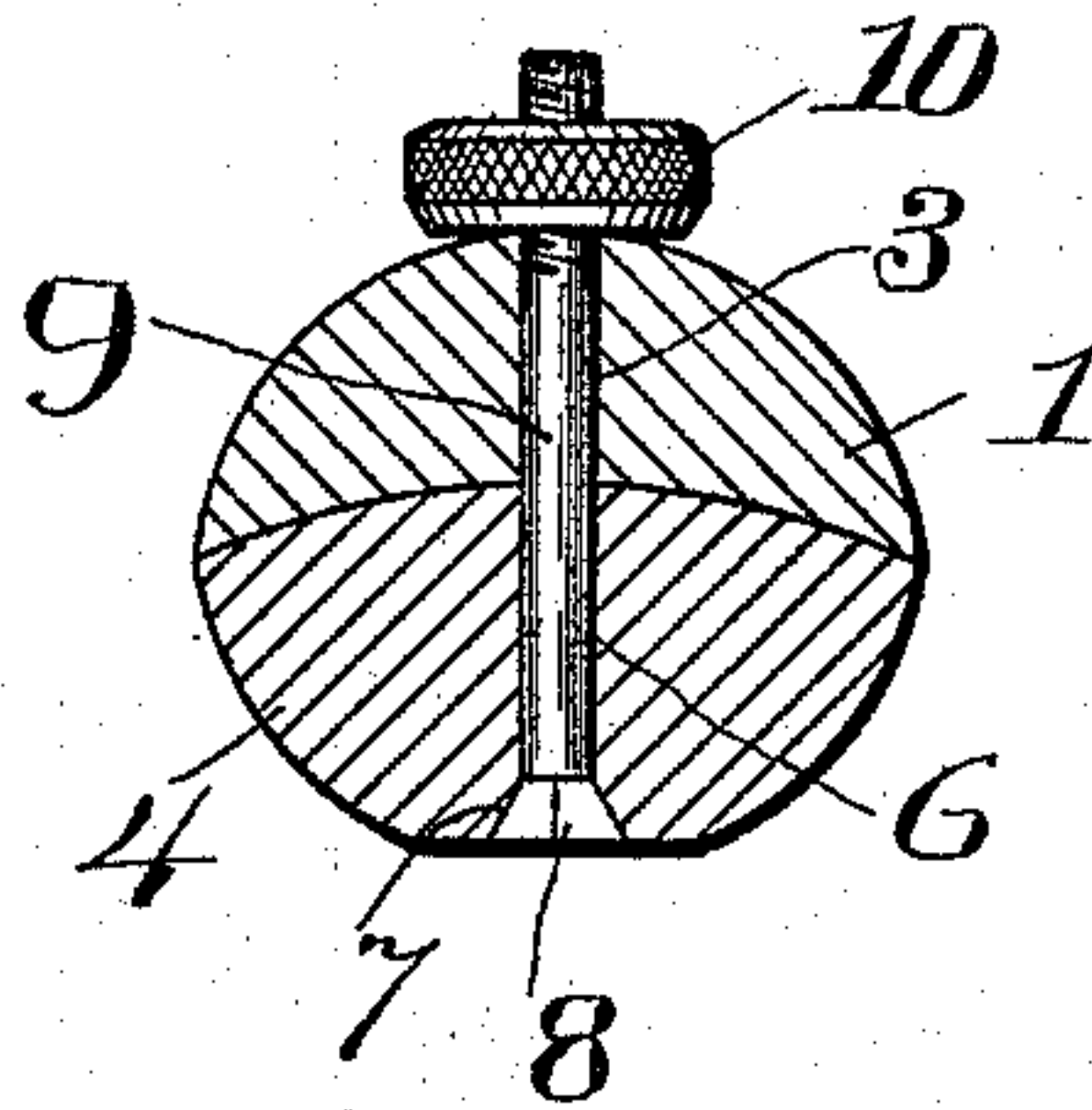


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

BYRON S. BAXTER, OF PROVIDENCE, RHODE ISLAND.

BRUSH.

SPECIFICATION forming part of Letters Patent No. 573,198, dated December 15, 1896.

Application filed July 2, 1895. Serial No. 554,719. (No model.)

To all whom it may concern:

Be it known that I, BYRON S. BAXTER, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Brushes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to brushes, and particularly to a reversible brush; and the object of the invention is to provide a simple, inexpensive, and durable brush of novel construction.

A further object of the invention is to so construct the brush members that one member will be required to adjust and seat itself in the other member by simply screwing down the nut upon the bolt connecting said members without the necessity of exact adjustment by hand.

The invention consists in the novel construction and arrangement of parts.

In the accompanying drawings, forming part of this application, Figure 1 is a perspective view of my brush with the members in the act of being reversed. Fig. 2 is an enlarged perspective view of the brush members without bristles, showing the members at an angle to each other. Fig. 3 is a similar view showing the brush-head member swung into place or into its seat on the handle member from the position shown in Fig. 2. Fig. 4 is a cross-section of Fig. 3.

The same numeral references denote the same parts throughout the several figures of the drawings.

In carrying my invention into effect I construct the two brush members one with a concave inner surface and the other with a convex inner surface and provide a clamping device for drawing the members into alignment and so locking them together.

The brush member 1 has a suitable handle 2, a central aperture 3, and its inner surface is concaved throughout its length from one side edge to the other, the outer surface be-

ing of any suitable shape, but preferably semicircular, as shown.

The brush-head member 4—that is, the member which carries the bristles 5—has its inner surface convexed from one side edge to the other throughout its length to conform exactly with the concaved surface of the handle member 1. The member 4 has a central aperture 6, which registers with the aperture 3 of the handle member 1, and has a square countersink 7 for the conical square head 8 of the clamping-bolt 9. This bolt is screw-threaded and projects through the said apertures and is provided with a thumb-nut 10, which does not have to be removed in order to reverse the members, but is simply loosened sufficient to allow the members to clear each other to accomplish this purpose and then tightened to bring the members in alignment and lock them together.

It is obvious that the contact-surfaces of the brush members may be reversed or the curvature thereof made greater or less with the same result.

It will be observed that owing to the form of the contact-surfaces the head member when displaced does not require separate operation or handling to put it in exact alignment or other precise position relative to the handle member to be locked with the latter; but said contact-surfaces having no projections or other obstructions and the central location of the pivot-bolt and its length, the latter, by operating the nut, will pull the head member into its seat in the handle member.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a reversible brush, the head member and the handle member, one of said members being convexed from one side edge to the other, and the other of said members being concaved from one side edge to the other, in combination with a suitable pivot-bolt of sufficient length to permit the members to be reversed without detachment, extending through the handle member and provided exterior thereto with a nut adapted to be oper-

ated to seat one of the said members in the other member, as set forth.

2. A reversible brush, comprising the brush-head member convexed throughout its length
5 from one side edge to the other, the brush-handle member concaved to conform with the said convex surface of the head, the pivot-bolt of sufficient length to permit the members to be reversed without detachment ex-

tending through both brush members, and a suitable thumb-nut, the latter being operated to seat the head member, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

BYRON S. BAXTER.

Witnesses:

CORNELIUS C. PLUMMER,
JOSHUA REMINGTON.