

(No Model.)

H. W. HASCY.
BRUSH.

No. 602,077.

Patented Apr. 12, 1898.

Fig. 1.

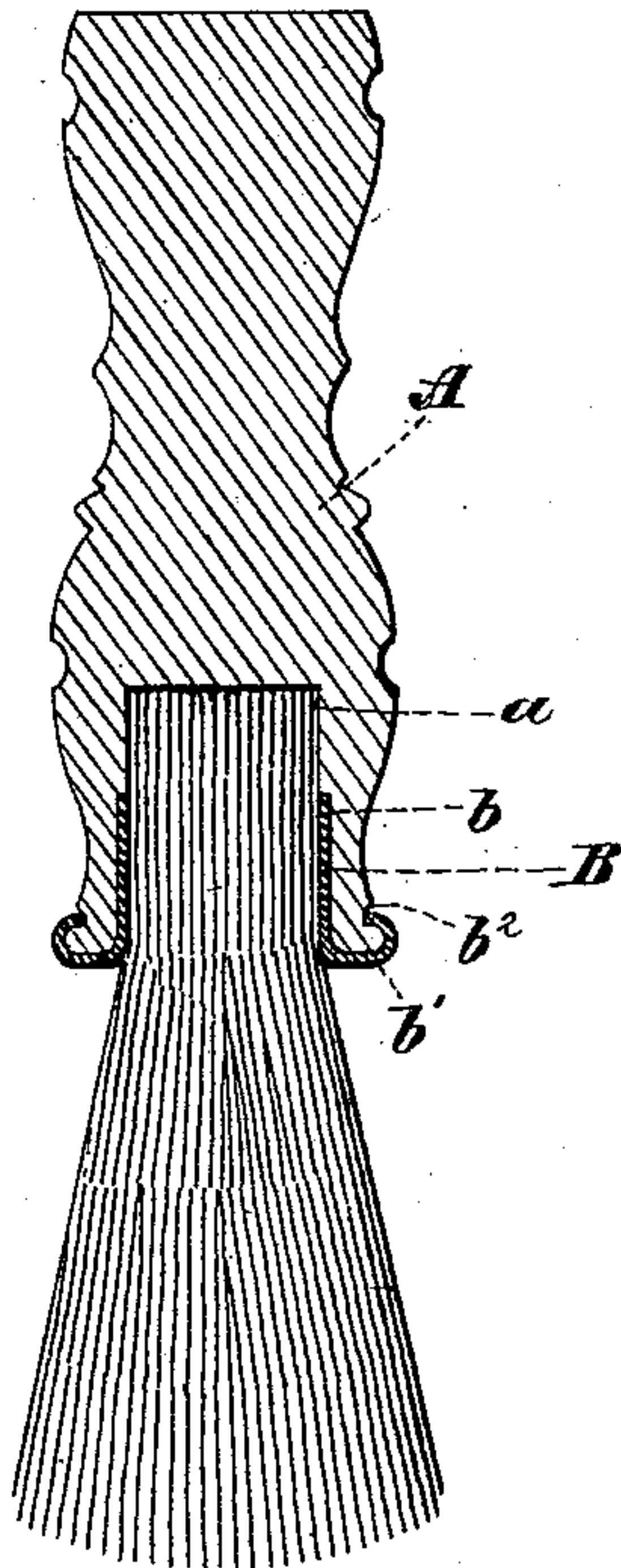
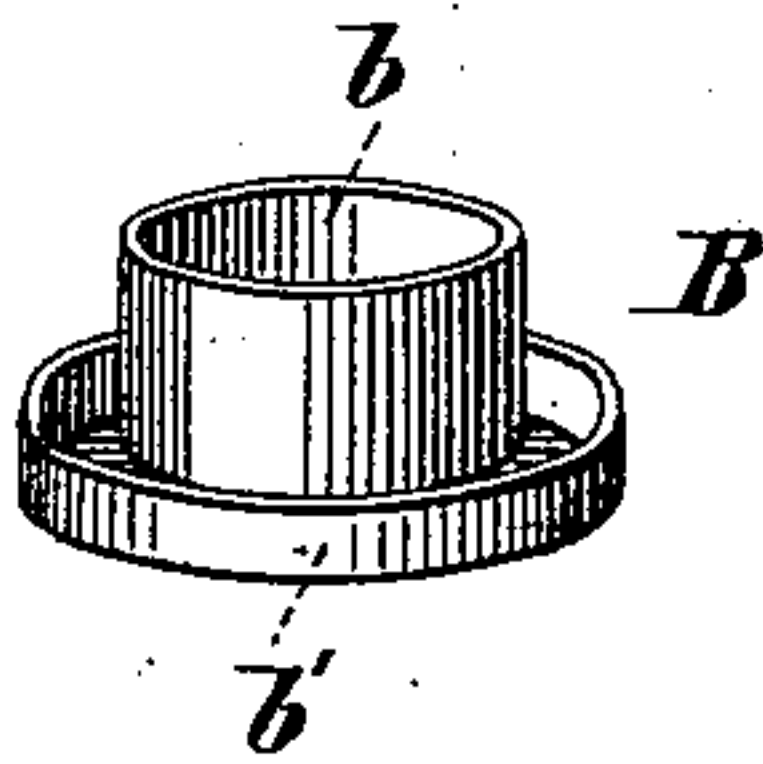


Fig. 2.



WITNESSES:

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HARVEY W. HASCY, OF HEMPSTEAD, NEW YORK.

BRUSH.

SPECIFICATION forming part of Letters Patent No. 602,077, dated April 12, 1898.

Application filed August 3, 1897. Serial No. 646,884. (No model.)

To all whom it may concern:

Be it known that I, HARVEY W. HASCY, a resident of Hempstead, Queens county, State of New York, have invented certain new and useful Improvements in Brushes, of which the following is a specification.

My invention relates to what are known in the art as "socket-brushes," or brushes, such as shaving and paint brushes, wherein a handle is provided with a single socket in one end, in which the bristles are received; and said invention consists in a brush of the construction hereinafter described and claimed.

Heretofore in the manufacture of brushes of the character specified it has been common to mount a bunch of bristles or hair constituting the brush proper, or a portion of the same, directly in the handle, and great difficulty has been found by reason of the liability of the hair or bristles in swelling to break the handle in which they are carried. Especially is this true in shaving-brushes, in which the handles are usually made of wood, bone, ivory, or some like material and wherein a comparatively thin bristle-supporting portion of the handle is liable to split and render the brush useless.

The object of my invention is to overcome the above and other defects heretofore found in socket-brushes and to produce a brush which will be durable in construction and wherein the changes due to my invention add but little to the cost of manufacture.

In the accompanying drawings, Figure 1 represents a longitudinal sectional view of a socket-brush embodying my invention. Fig. 2 is a detail isometric view of one form of ferrule used in a brush made in accordance with my invention.

In the accompanying drawings, which illustrate one form of my invention, A indicates the handle of a socket-brush, which is provided with a longitudinal bristle-receiving opening *a*. A ferrule B is adapted to be secured to the brush and form a reinforcing means therefor, in the manner to be hereinafter described. This ferrule B comprises a hollow extension *b*, which is preferably of

the same extent in cross-section as the bristle-receiving opening in the handle of the brush and is adapted to be received therein. From this hollow extension *b* extends a laterally-projecting flange *b'*, which is adapted to surround the end of the brush and to be turned or spun into a groove in the handle, as indicated at *b*² in Fig. 1, to secure the ferrule in place upon the handle. It will be observed that by this means the strain caused by the swelling of the bristles instead of being taken up by the handle is borne by the ferrule and that the ferrule likewise surrounds the lower end of the brush and constitutes an additional reinforce therefor, as well as a means for securing it in place upon the handle. It will also be observed that by employing the ferrule in the manner described what strain there is upon that portion of the handle which receives the bristles is equal at all parts and the liability of a portion of the handle breaking away is overcome.

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

1. A "socket-brush" comprising a handle having a bristle-receiving opening therein, bristles contained within said opening, and a ferrule having a hollow extension within the bristle-receiving opening in the handle and surrounding the bristles contained therein and a flanged portion surrounding the lower end of the handle and secured thereto.

2. A "socket-brush" comprising a handle having a longitudinal bristle-receiving opening in one end thereof, bristles received within said opening and a ferrule having a hollow extension within the bristle-receiving opening in the handle and surrounding the bristles contained therein and a flanged portion surrounding the lower end of the handle and spun into a groove formed in the sides of said handle, substantially as described and for the purposes specified.

HARVEY W. HASCY.

Witnesses:

CHARLES E. SMITH,
ISAAC A. LEVY.