No. 796,785. PATENTED AUG. 8, 1905.

A. H. WOLCOTT.

BRUSH.

APPLICATION FILED OCT. 20, 1904.

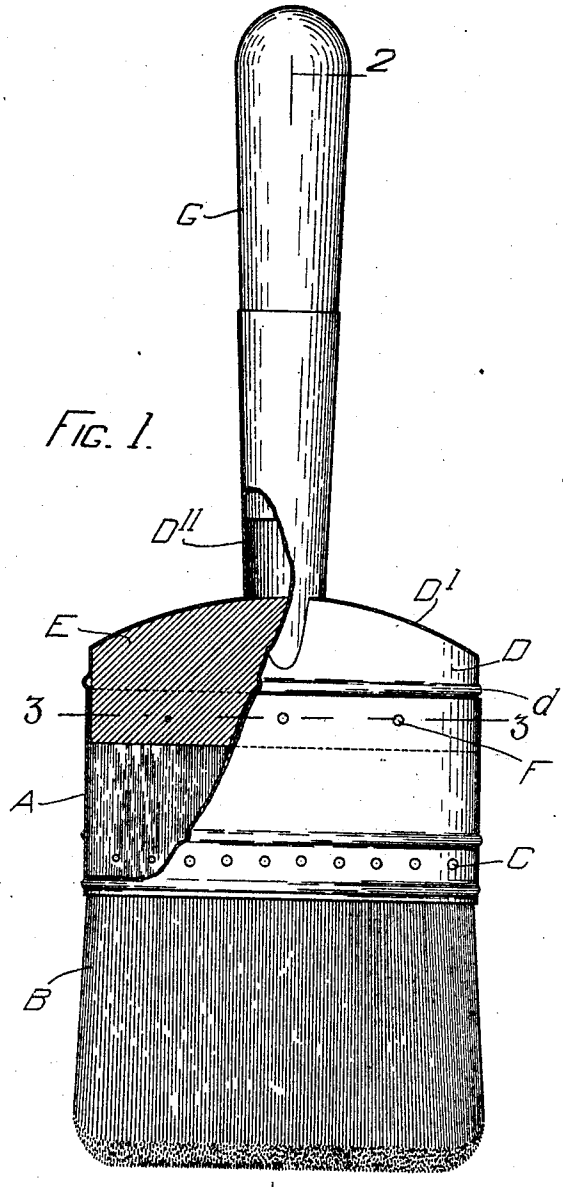


FIG. 1.

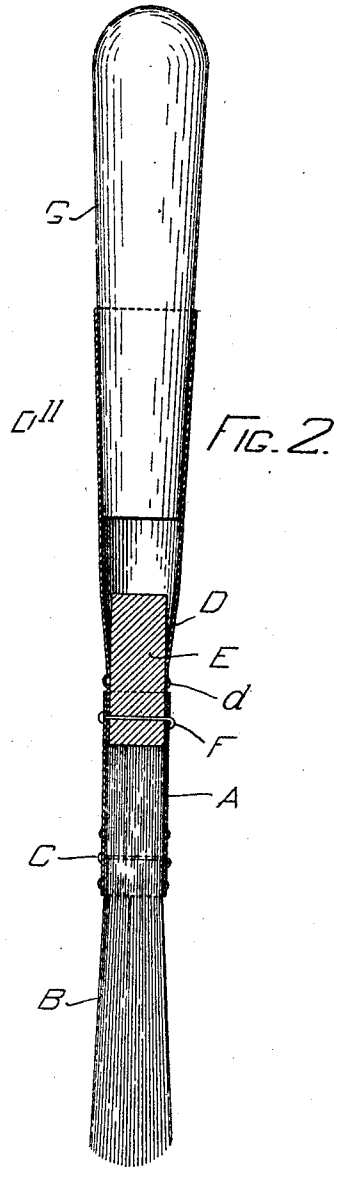


FIG. 2.

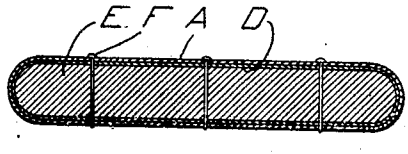


FIG. 3.

WITNESSES

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UNITED STATES PATENT OFFICE.

ARTHUR H. WOLCOTT, OF WINTHROP, MASSACHUSETTS, ASSIGNOR TO JOHN L. WHITING AND SON COMPANY, OF BOSTON, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

BRUSH.

No. 796,785. Specification of Letters Patent. Patented Aug. 8, 1905.

Application filed October 20, 1904. Serial No. 229,268.

To all whom it may concern:

Be it known that I, ARTHUR H. WOLCOTT, a citizen of the United States, and a resident of Winthrop, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Brushes, of which the following is a specification.

This invention relates to improvements on the patent granted to me June 17, 1890, No. 430,557, for brushes and mode of making the same; and it consists, in combination with a brush-holding metal ferrule or shell in which the bristles are secured in any suitable manner, of a reduced handle-carrying shell adapted to be inserted in the brush-holding ferrule and containing a filling preferably made of wood or similar material to enable the latter to be secured to the brush-holding ferrule by means of rivets or clenching-nails, as may be desirable.

In my previous patent the handle-carrying shell was adapted to receive the brush-holding ferrule and to be soldered to the latter, whereas in my present invention the handle-carrying shell containing the filling is inserted in the upper end of the brush-holding ferrule and adapted to be secured thereto by means of rivets or clenching-nails going through both handle-carrying shell, its filling, and the brush-holding ferrule, as will hereinafter be more fully shown and described, reference being had to the accompanying drawings, wherein—

Figure 1 is a side elevation of my improved brush, partly shown in section. Fig. 2 is a longitudinal section on the line 2 2 shown in Fig. 1, and Fig. 3 is a cross-section on the line 3 3 shown in Fig. 1.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

In the drawings, A represents the metal ferrule, in which the bristles B are secured in any suitable manner, preferably by means of rivets or clenching-nails C C, as usual. In connection with said bristle-carrying ferrule A I use a reduced handle-carrying shell D, adapted to fit into the upper end of the brush-carrying ferrule A and containing a filling-block E, made of wood or other suitable material. After the handle-carrying shell D has been inserted in the upper end of the brush-carrying ferrule A the parts are secured together by means of rivets or clenching-nails F F, driven through the bristle-holding ferrule A, the handle-carrying shell D, and internal filling E, as shown, thus dispensing with soldering of said parts together.

In practice I make on the exterior of the handle-carrying shell D a head or external stop projection *d*, against which the upper end of the brush-holding ferrule A abuts when the said parts are assembled before being riveted together.

The upper end of the shell D is provided with a cap D′, to which is soldered or attached a metal handle-socket D″ for receiving the handle G, like that shown and described in my above-mentioned patent.

In making the improved brush the bristles are properly inserted in the ferrule A and secured thereto by rivets or clenching-nails, as shown, after which the handle-carrying shell containing the filling E is inserted in the ferrule A until the upper end thereof contacts the projection *d* on the handle-carrying shell D, thus causing the latter and the brush-holding ferrule to be held in coinciding assembled positions, after which said shells and filling are firmly secured by rivets or clenching-nails, as shown. By this arrangement I cause the said shells to be firmly secured together without the need of soldering, as heretofore has been done.

This my improved construction is applicable to flat, oval, or circular brushes, as may be required, without departing from the essence of my invention.

If so desired, the filling E may be made of such a depth so as to rest against the upper end of the bristles B, as shown in Figs. 1 and 2, although this is not essential.

What I wish to secure by Letters Patent and claim is—

1. A brush-ferrule having secured thereto the bristles, a filling-block, a shell inclosing the filling-block and having the ferrule depending therefrom, and means for securing together the ferrule and shell inclosing the filling-block.

2. A brush-ferrule having secured thereto bristles a filling-block, and a shell or casing inclosing the filling-block, fitted within the ferrule and secured thereto.

3. A brush-ferrule having secured thereto the bristles combined with a reduced handle-carrying shell, a filler disposed over and immediately bearing against the bristles fitted within the said shell, and means for securing said shell-filler and ferrule together, substantially as described.

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

ARTHUR H. WOLCOTT.

Witnesses:
ALBAN ANDRÉN,
ALVAH C. STONE.