

927,565.

Patented July 13, 1909.

Fig. 1.

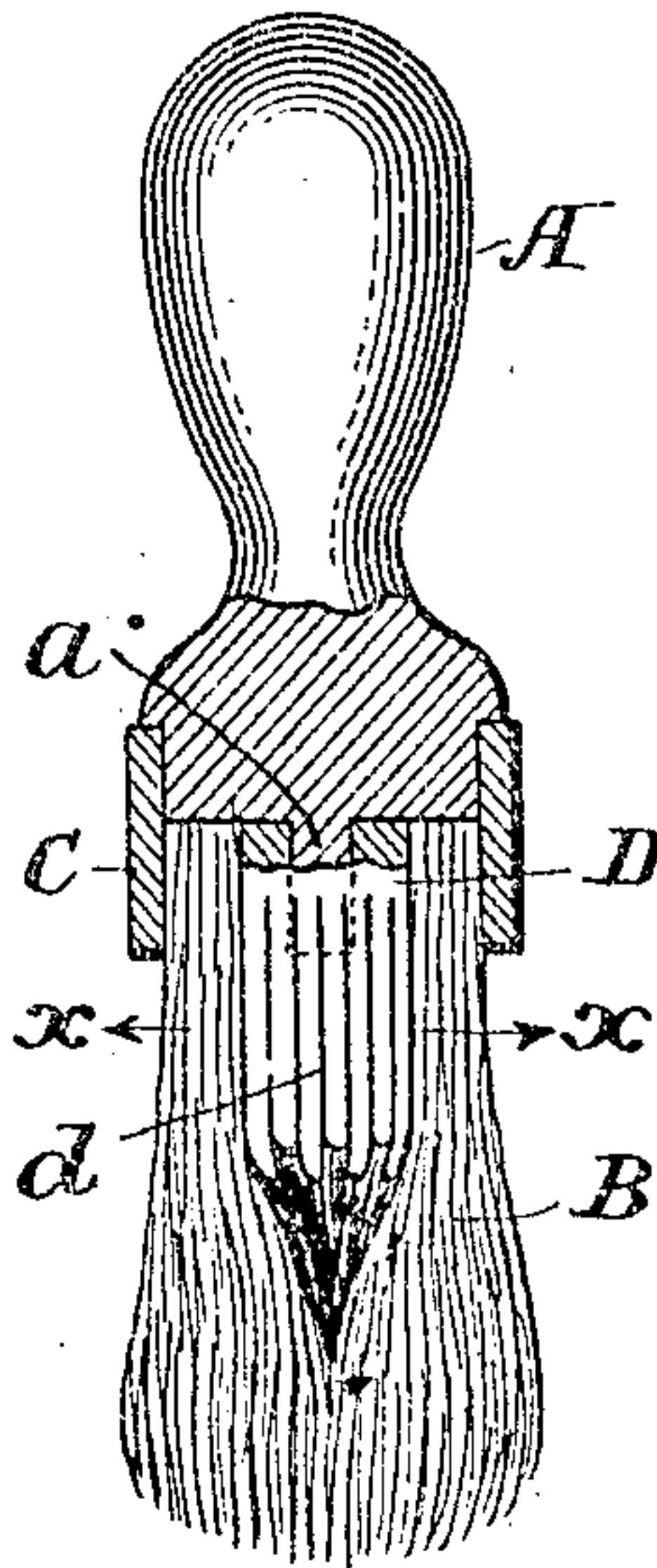


Fig.

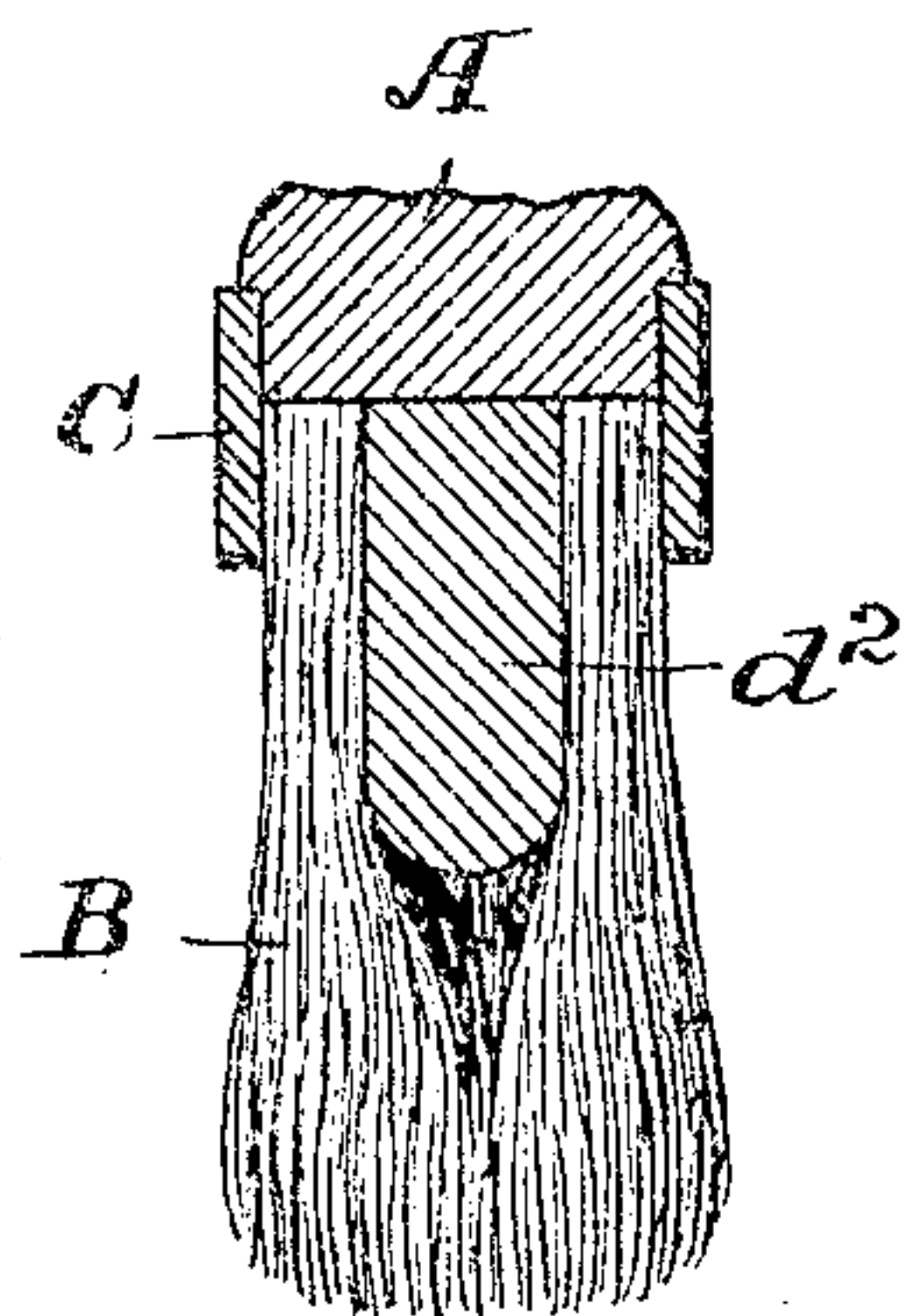


Fig. 4.

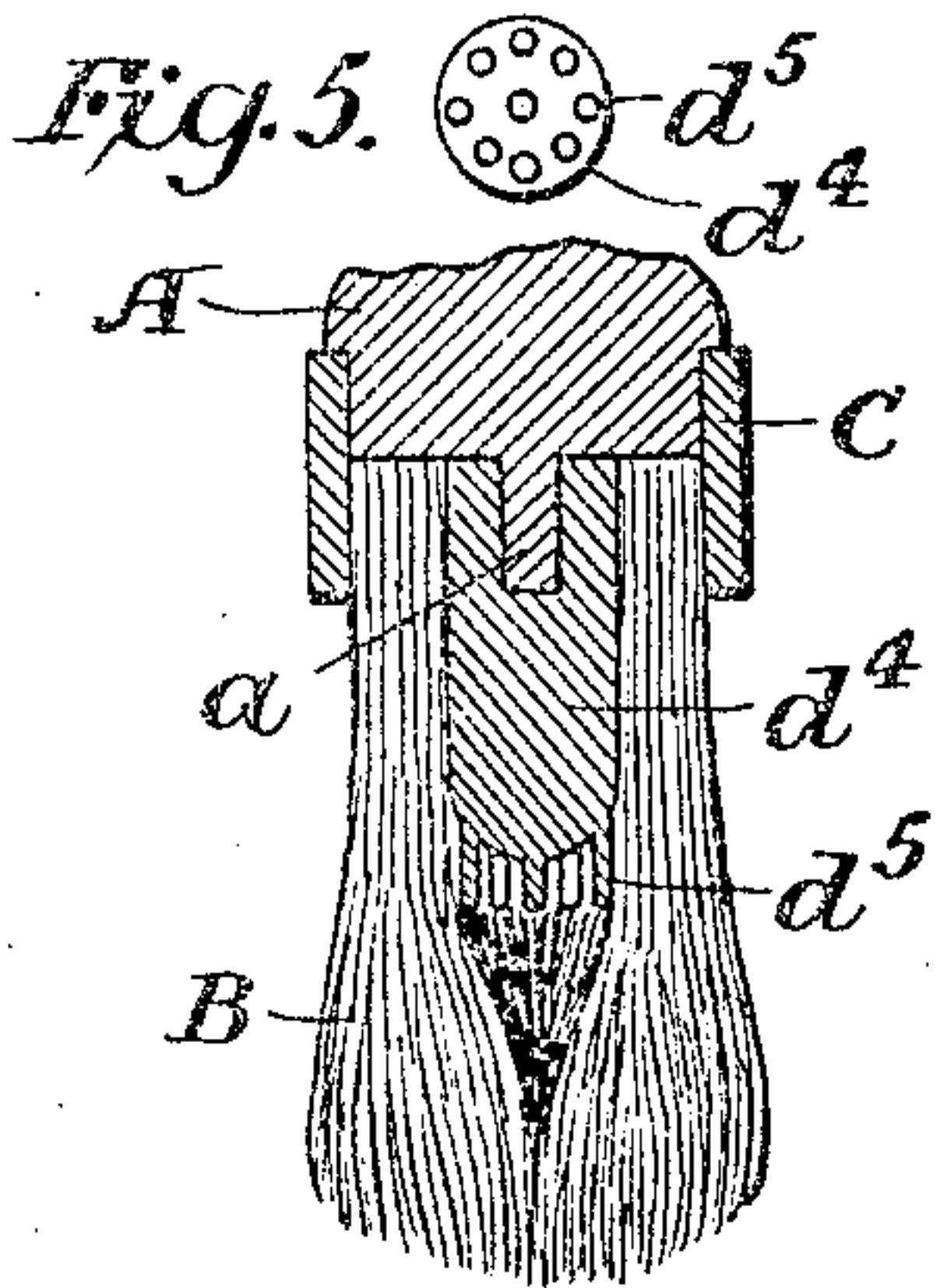
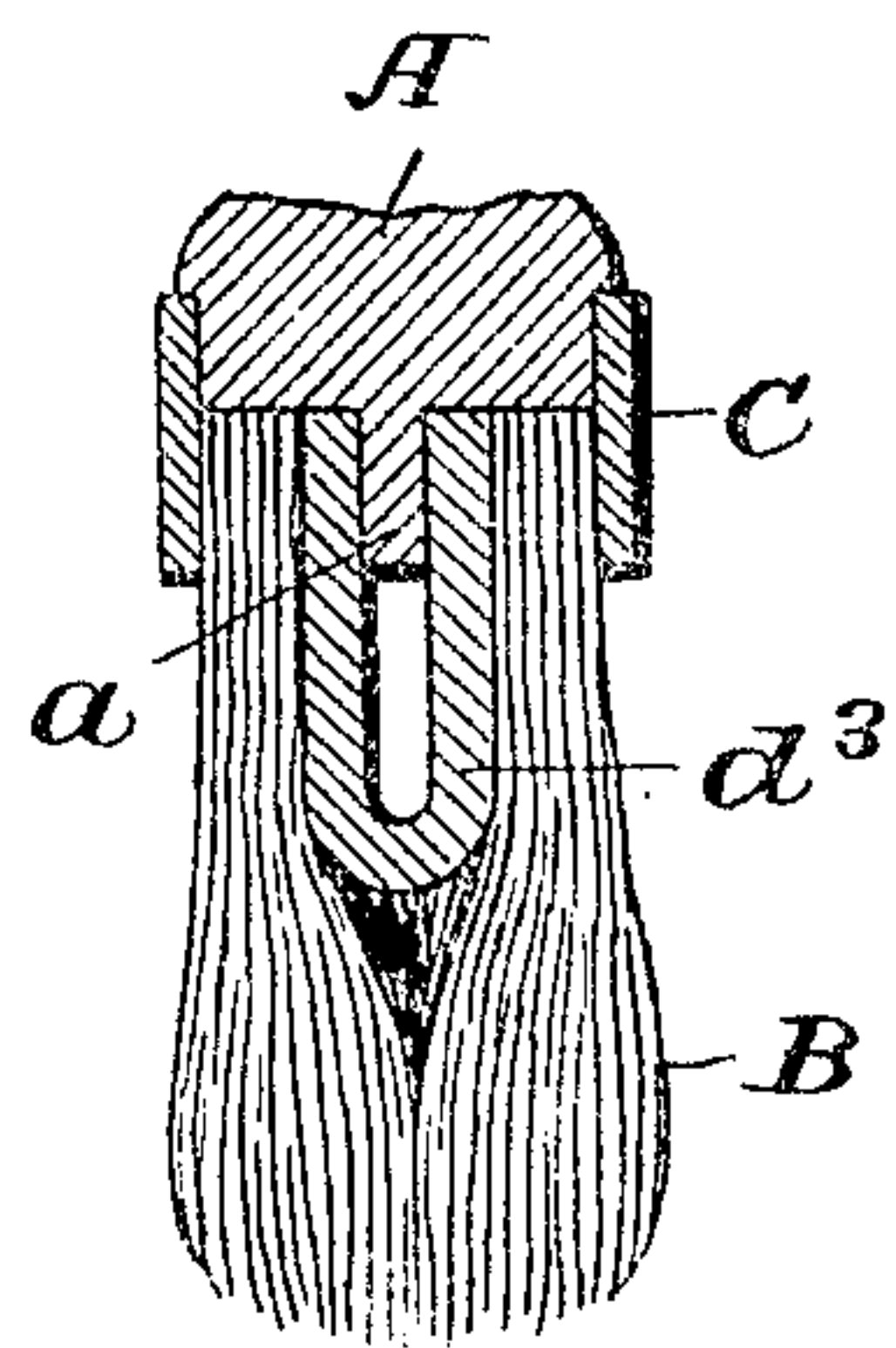


Fig. 2.

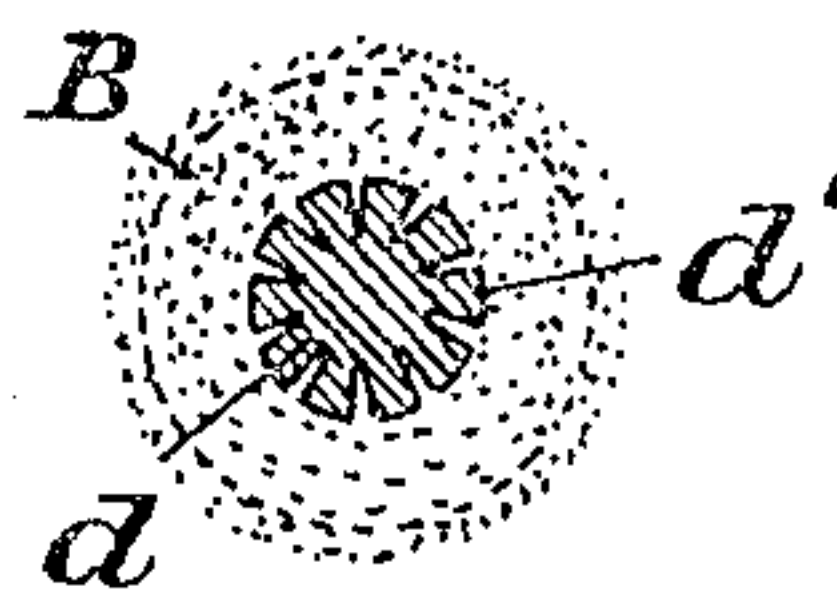


Fig. 6.

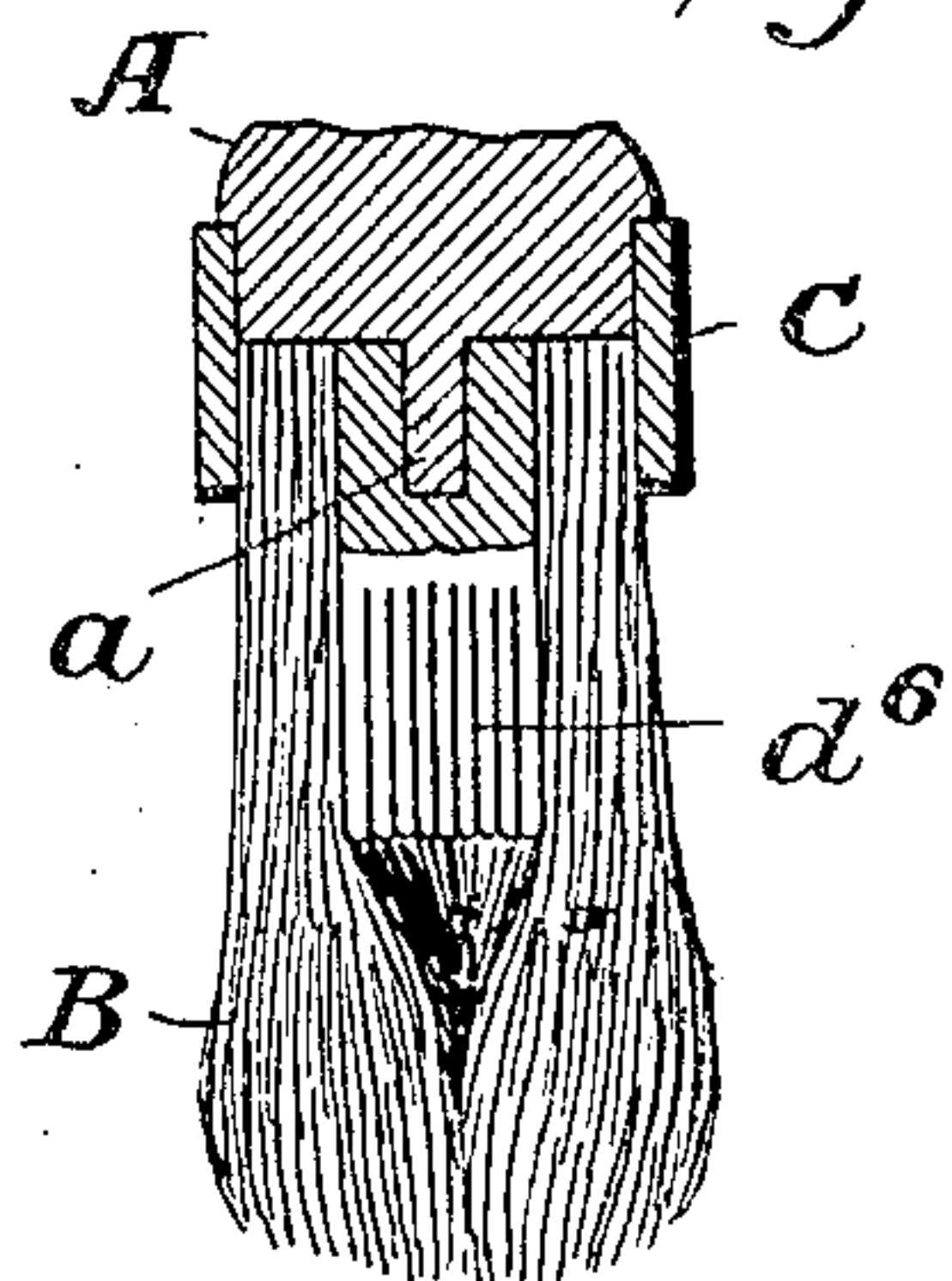


Fig. 7.

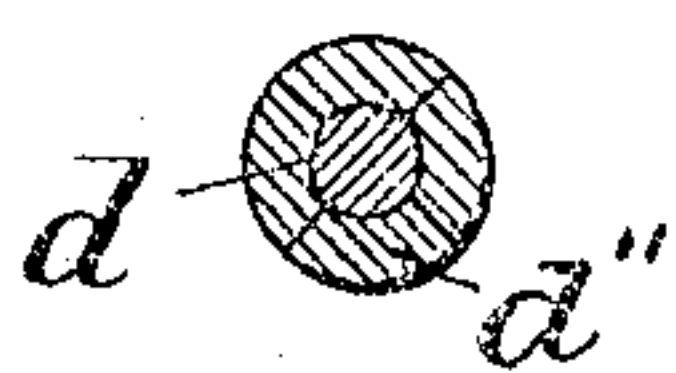


Fig. 8.



Fig. 9.

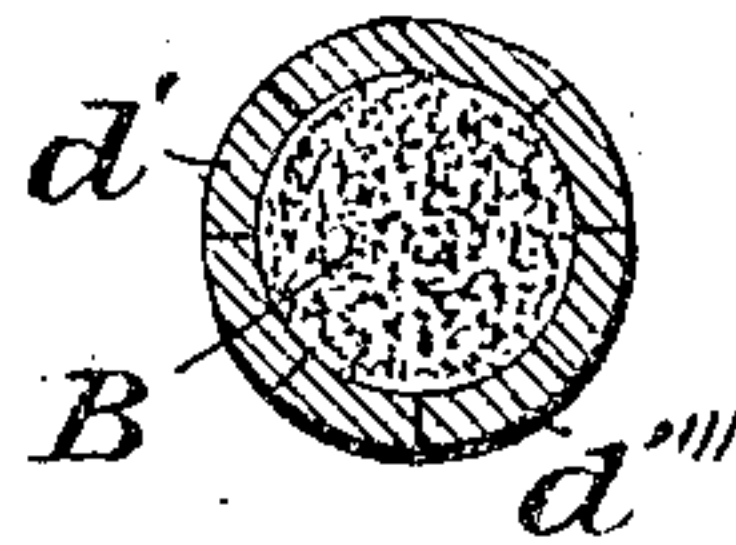
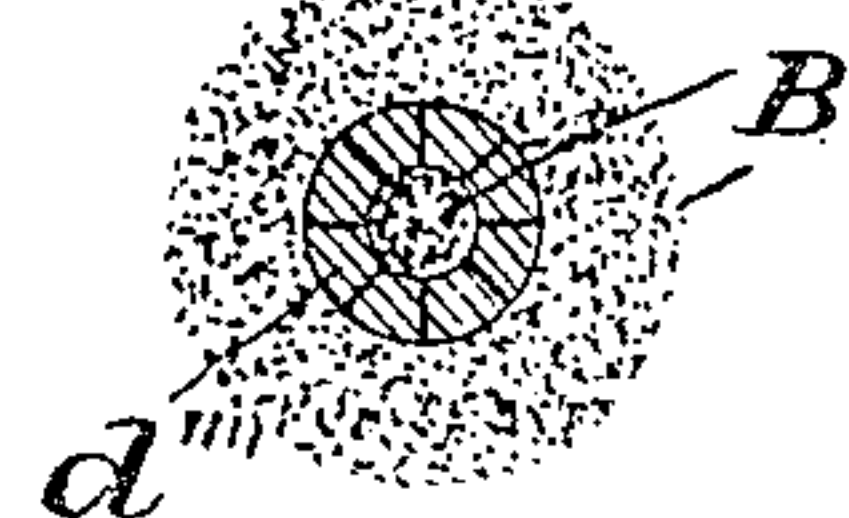


Fig. 10.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM H. LOPP, OF SAN FRANCISCO, CALIFORNIA.

SHAVING-BRUSH.

No. 927,565.

Specification of Letters Patent.

Patented July 13, 1909.

Application filed January 12, 1909. Serial No. 471,949.

To all whom it may concern:

Be it known that I, WILLIAM H. LOPP, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Shaving-Brushes, of which the following is a specification.

My invention relates broadly to brushes designed for use upon the human skin, and more particularly to that class of such brushes adapted to apply soap and produce lather upon the face for the purpose of shaving.

In such brushes as now in general use a group of flexible bristles attached to a suitable handle is provided which bends when pressed against the face to produce, with soap and water, a lather to soften the beard. It has been found, however, that the rubbing produced by the pressure of the bristles in forming the lather is insufficient to adequately work the lather into the base of the hairs of the beard to soften them, and to do this properly it is the custom of shavers to use their fingers to work the lather in after it has been produced by the brush. This involves considerable time and trouble, to obviate which is the object of my invention.

It is old to place a pad among the bristles of the shaving brush, but this slips over the surface of the skin without thoroughly working the lather in around the hairs of the beard to soften them.

In carrying out my invention, I provide a brush with a flexible finger of suitable proportions relatively to the bristles and disposed among them in such manner that as the brush is manipulated to produce the lather upon the face, the finger will at the same time work it in around the base of the hairs of the beard to soften them, thereby saving both time and trouble in the operation of shaving. The action of the finger also works the lather into the pores of the skin and more thoroughly cleanses it.

An embodiment of my invention is illustrated in the accompanying drawings where-in like reference characters indicate corresponding parts throughout the various figures, and in which:—

Figure 1 is a view partly in section, of a preferred form of brush; Fig. 2 is a transverse section of the same taken on the line

$x-x$; Figs. 3, 4, 5 and 6 show various modified forms of the massage means, the brush handle being broken away; Figs. 7, 8, 9 and 10 are transverse sectional views of further modifications.

Referring to the drawings, and first particularly to Fig. 1, A indicates the brush handle and B the group of bristles, both of which may be of any well-known or suitable materials, the bristles being attached to the handle in any suitable manner, as by a band C.

The massage means is represented at D, and consists preferably of a flexible rubber finger provided at its base with a recess adapted to take over a projection a of the handle. The finger D is located preferably centrally in the group of bristles B, as shown, and when so placed forms with the band C an efficient means of securing the bristles upon the handle. The length of the massage finger D relatively to the length of the bristles B is of great importance, because if too long the bristles can not be properly manipulated to produce the lather, and if too short the finger will not reach to massage the skin. The length of massage finger D should be such that the finger will contact with the face under lather-producing flexure of the bristles, and this length I have found to be approximately about one-half that of the bristles, but may be varied to a reasonable degree. The form of massage finger shown in Fig. 1 consists of a core d having lateral ridges d' extending slightly beyond the end of the finger. When the bristles are flexed in producing the lather these ridges and their end projections come in contact with the skin and massage the same, working the lather into the pores and around the base of the hairs of the beard.

In Fig. 3 I have shown the simplest form of my invention, a plain, solid rubber finger d^2 flexible in any direction under lateral pressure, while Fig. 4 shows a plain finger d^3 made hollow.

Fig. 5 shows the massage finger d^4 made solid, as in Fig. 3, and provided at its contact end with teeth d^5 which add materially to the massaging efficiency.

Fig. 6 shows a group of fingers d^6 , longer than teeth d^5 , mounted upon a base.

Fig. 7 shows in section another form of finger in which the core d is surrounded by four loose segments d''

In Fig. 8 the finger is shown solid, but longitudinal grooves dividing its sides into ridges d''' segmental in cross-section.

In Fig. 9 the bristles B are shown surrounded by segment-shaped strips d'''' , while in Fig. 10 these strips have bristles B both within and without.

What I claim as new and desire to secure by Letters Patent of the United States is—

10 1. In a shaving brush, the combination with a suitable handle, and a group of flexible bristles, of a band for attaching said bristles to the handle, and a finger of resilient material located among said bristles
15 and having its base compressed by the pressure of said band and bristles, substantially as described.

20 2. In a shaving brush, the combination with a suitable handle and a group of flexible bristles, of a band for attaching said bristles to the handle, and a finger of re-

silient material shorter than said bristles flexible in any direction under lateral pressure located centrally among said bristles and exerting pressure to assist said band to bind the bristles, substantially as described. 25

3. In a shaving brush, the combination with a suitable handle having a projection, of a group of flexible bristles, a finger of resilient material located among said bristles and formed with a recess in its base taking over said projection; and attaching means engaging said handle, pressing the bristles against the base of said finger, and compressing the base of said finger against said projection, substantially as described. 30 35

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

WILLIAM H. LOPP.

Witnesses:

C. A. SANDERS,
W. T. HESS.