

W. A. ALBAUGH & J. TOOLE.
Brushes.

No. 165,195.

Patented July 6, 1875.

Fig. 1.

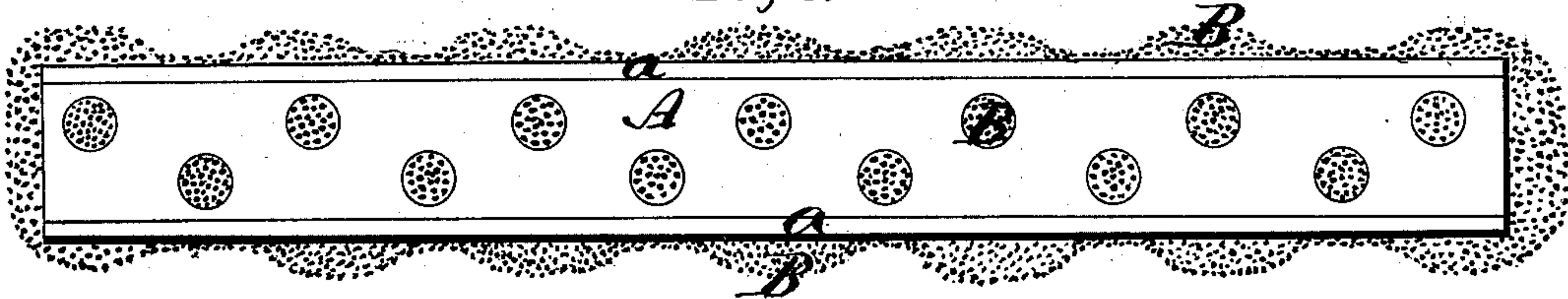


Fig. 3.

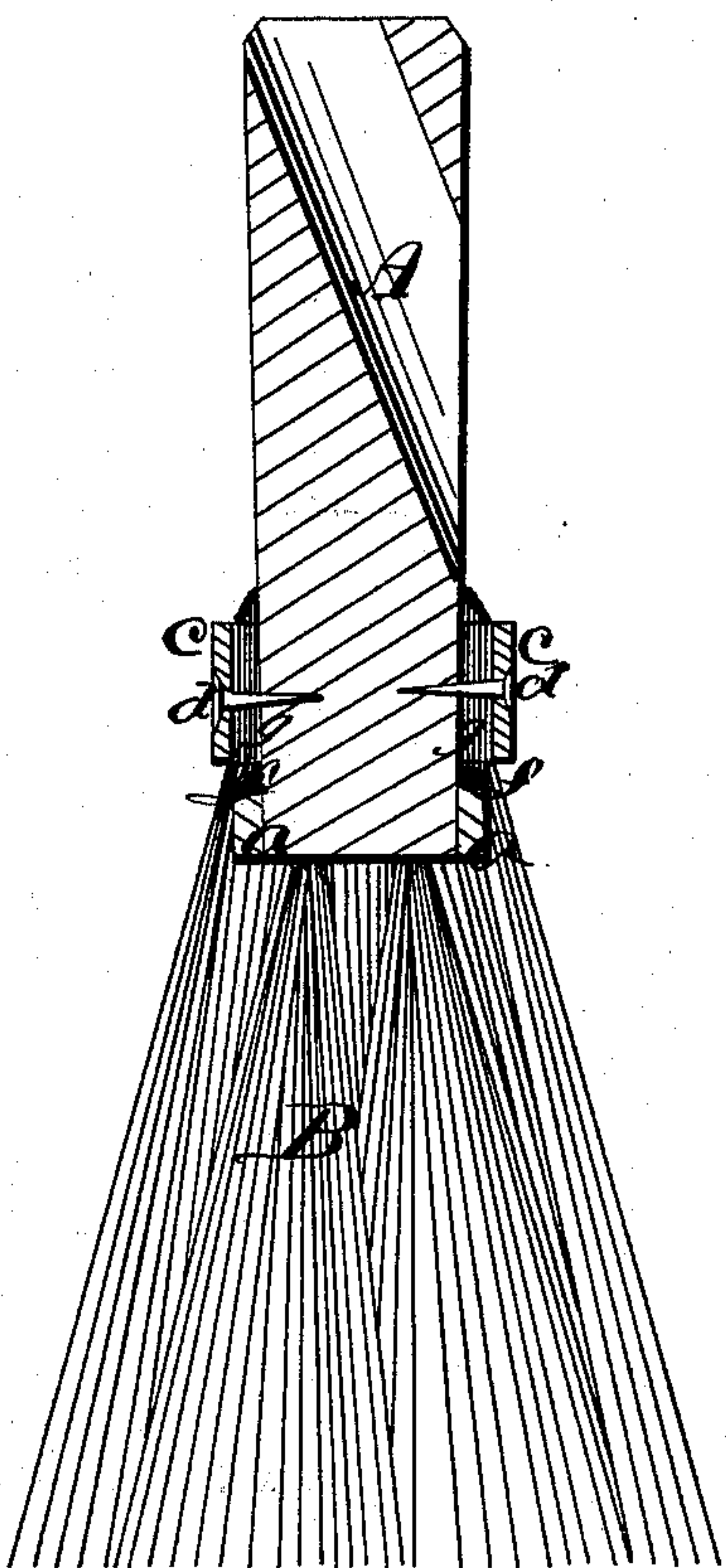


Fig. 4.

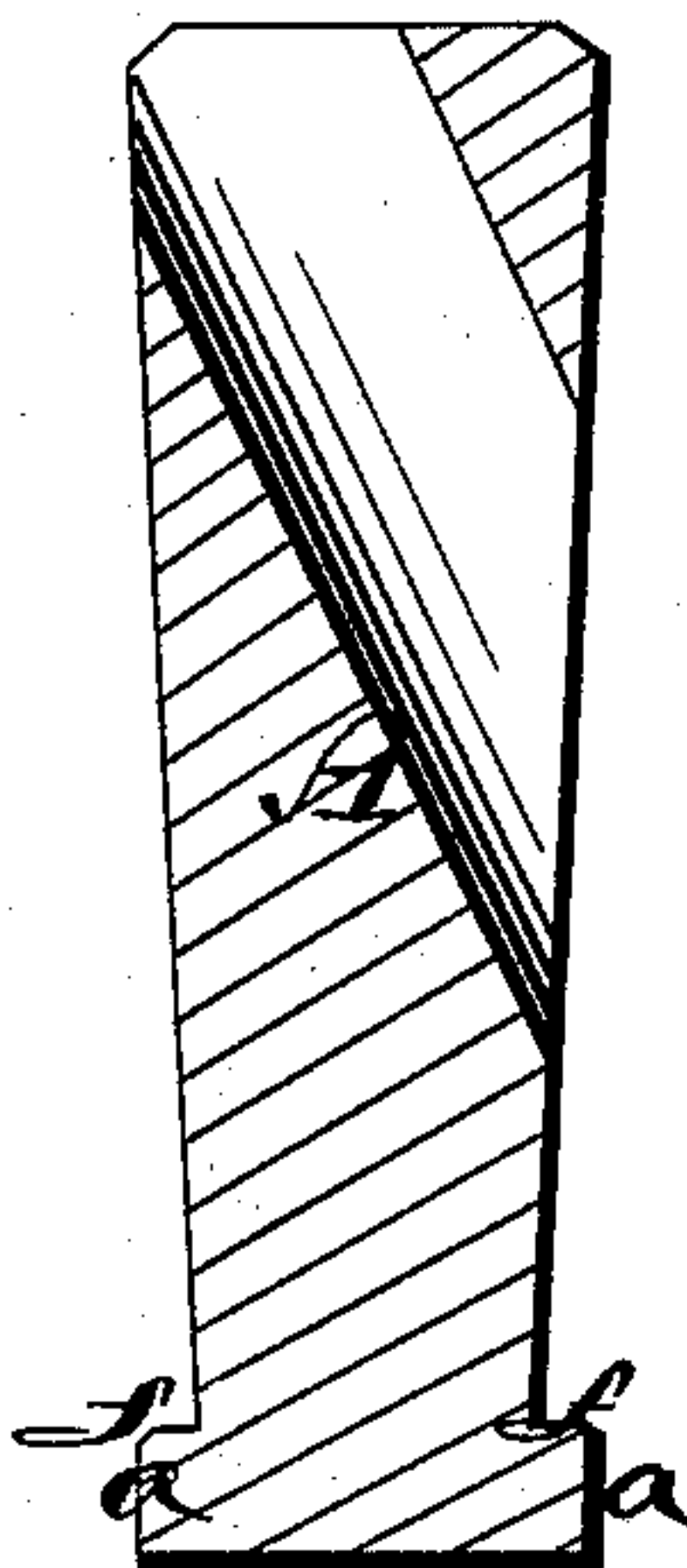
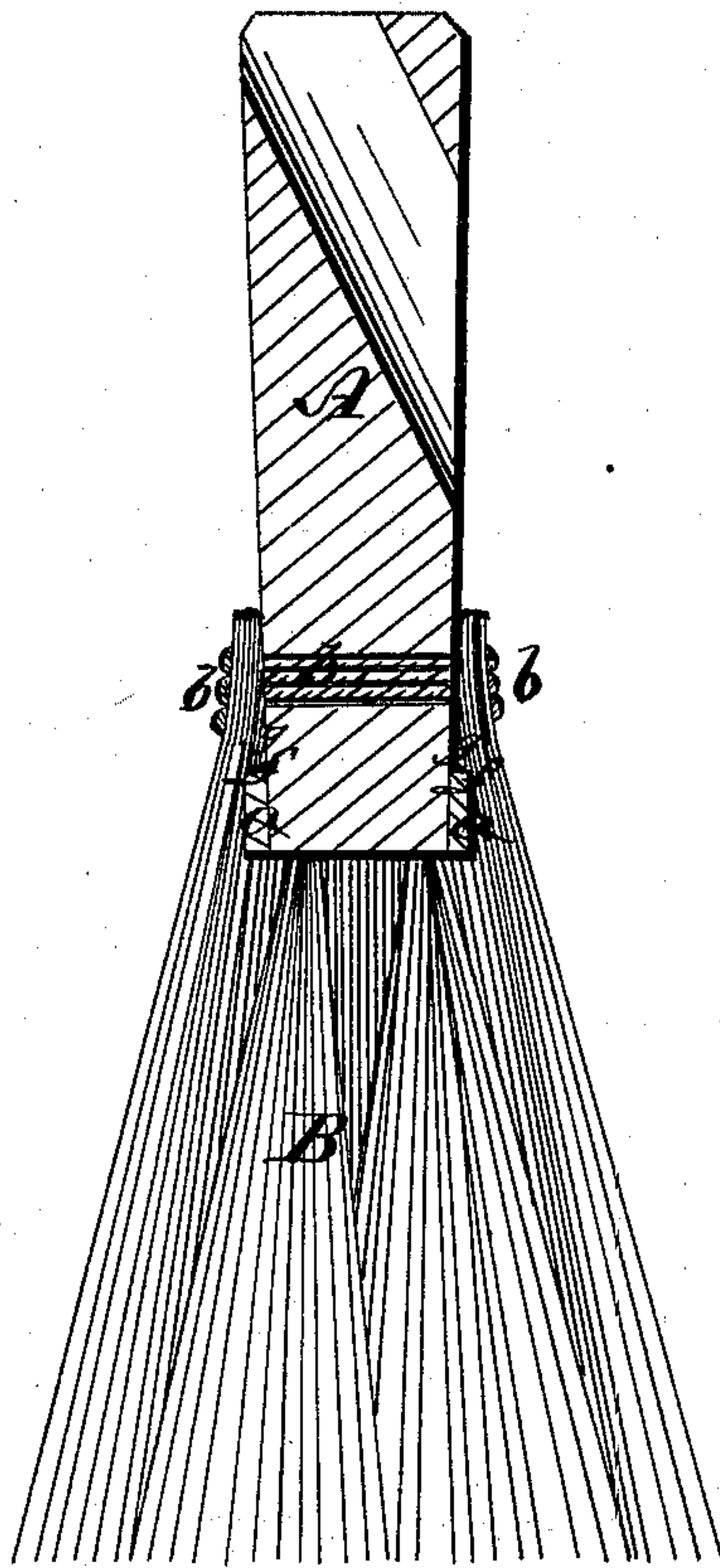


Fig. 2.



WITNESSES
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UNITED STATES PATENT OFFICE.

WILLIAM A. ALBAUGH AND JOHN TOOLE, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN BRUSHES.

Specification forming part of Letters Patent No. **165,195**, dated July 6, 1875; application filed April 3, 1875.

To all whom it may concern:

Be it known that we, WILLIAM A. ALBAUGH and JOHN TOOLE, of Baltimore, in the county of Baltimore and State of Maryland, have invented an Improved Whitewash-Brush; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings making part of this specification—

Figure 1 being a top view of the improved brush-block, the bristles being cut off close thereto; Fig. 2, a transverse vertical section of the same; Fig. 3, a section similar to that in Fig. 2, but showing the improvement as applied to a brush made with a leather band and nails or tacks to secure the outer bristles instead of twine or thread, as in Figs. 1 and 2. Fig. 4 is a transverse vertical section of a brush-block, showing a modification of the improvement.

Like letters designate corresponding parts in all of the figures.

In the drawings, A represents the brush-block, and B the bristles secured thereto.

The nature of our invention consists in the employment of strips of wood or other suitable material applied to the sides of the block close to the corners of the edge where the bristles are attached, for the purpose of spreading the outside bristles, and of affording a means of more tightly and securely fastening these bristles to the block, substantially as herein specified.

As a modification of the improvement, instead of the separate applied strips, as above set forth, we may have ledges or ridges on the corresponding parts of the block raised above the general surface of the sides thereof in shaping the block itself.

The brush-block A is made as usual, and the strips *a a*, which constitute our improvement, are tacked, tied, or otherwise attached to the block, as shown in Figs. 1, 2, and 3. Then, whether the outer bristles are secured by twine or thread *b b*, as shown in Fig. 2, or by a leather band, *c*, and nails *d d*, the strips

a a assist in holding the bristles to the block, since they furnish narrow bearing-edges *f f*, abrupt—that is, right angled, or such slight variation therefrom as to produce substantially the same effect, namely, to closely pinch the bristles—in connection with the depressions *g*, formed thereby just below said strips, into which depressions the bristles are tightly forced by the thread or leather band, and by thus producing raised surfaces above the general surface of the sides of the block, the outer bristles are well flared outward, as shown in Figs. 2 and 3, thereby keeping the brush in good shape, and preventing the flattening down of the bristles into a thin mass in use. Thus we make a very superior brush, and that without adding materially to the cost of manufacture.

The modification shown in Fig. 4, whereby the raised form is produced on the sides of the brush by making the raised ledges *a a* integral with the block, instead of separate strips, as in the other figures, produces the same result, with a difference only in the method of construction; the ridges raised above the general surface and having the edges *f f* abrupt in contradistinction to a conical or tapering or inclined form being the essential feature.

This improvement is applicable to whitewash-brushes especially, but may be applied to other brushes of like construction.

What we claim as our invention, and desire to secure by Letters Patent, is—

A whitewash-brush constructed with abrupt edged strips or ledges *a a* raised above the general surface of the sides of the brush-block A, substantially as and for the purposes herein specified.

Specification signed by us this 31st day of March, 1875.

W. A. ALBAUGH.
JOHN TOOLE.

Witnesses:

W. H. GILL,
LUTHER GILL.