

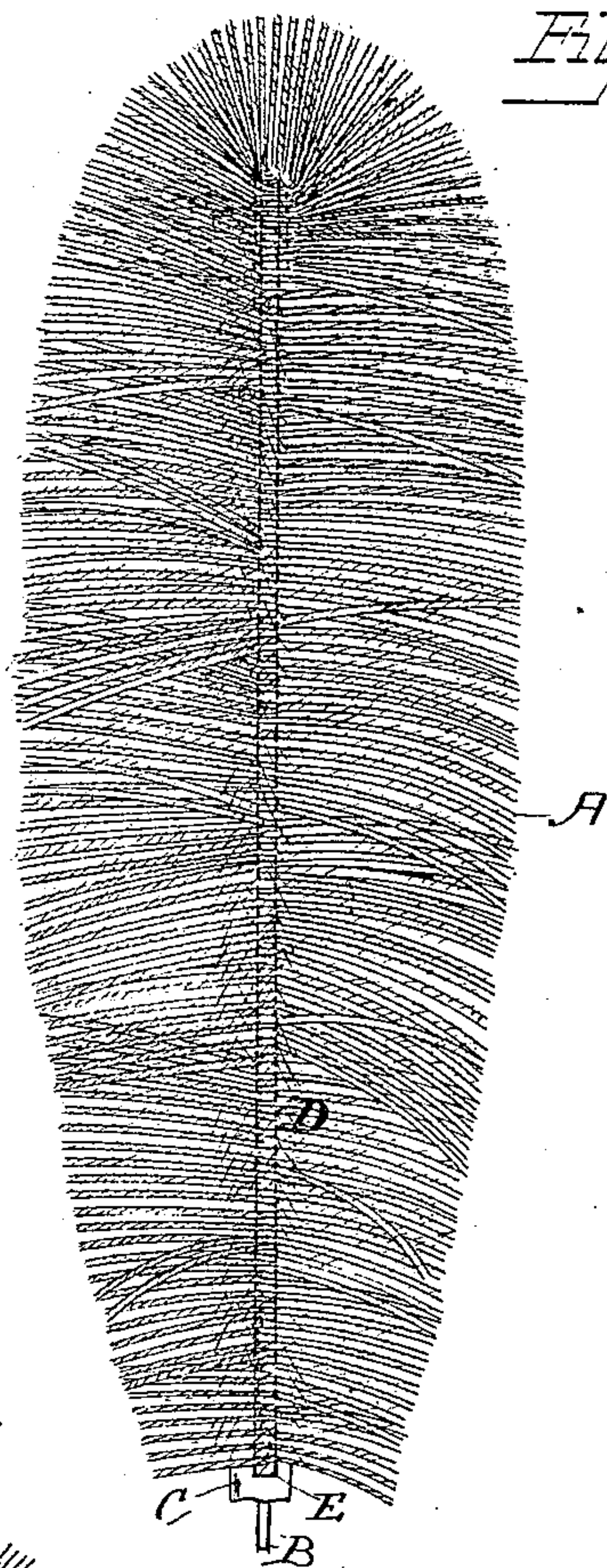
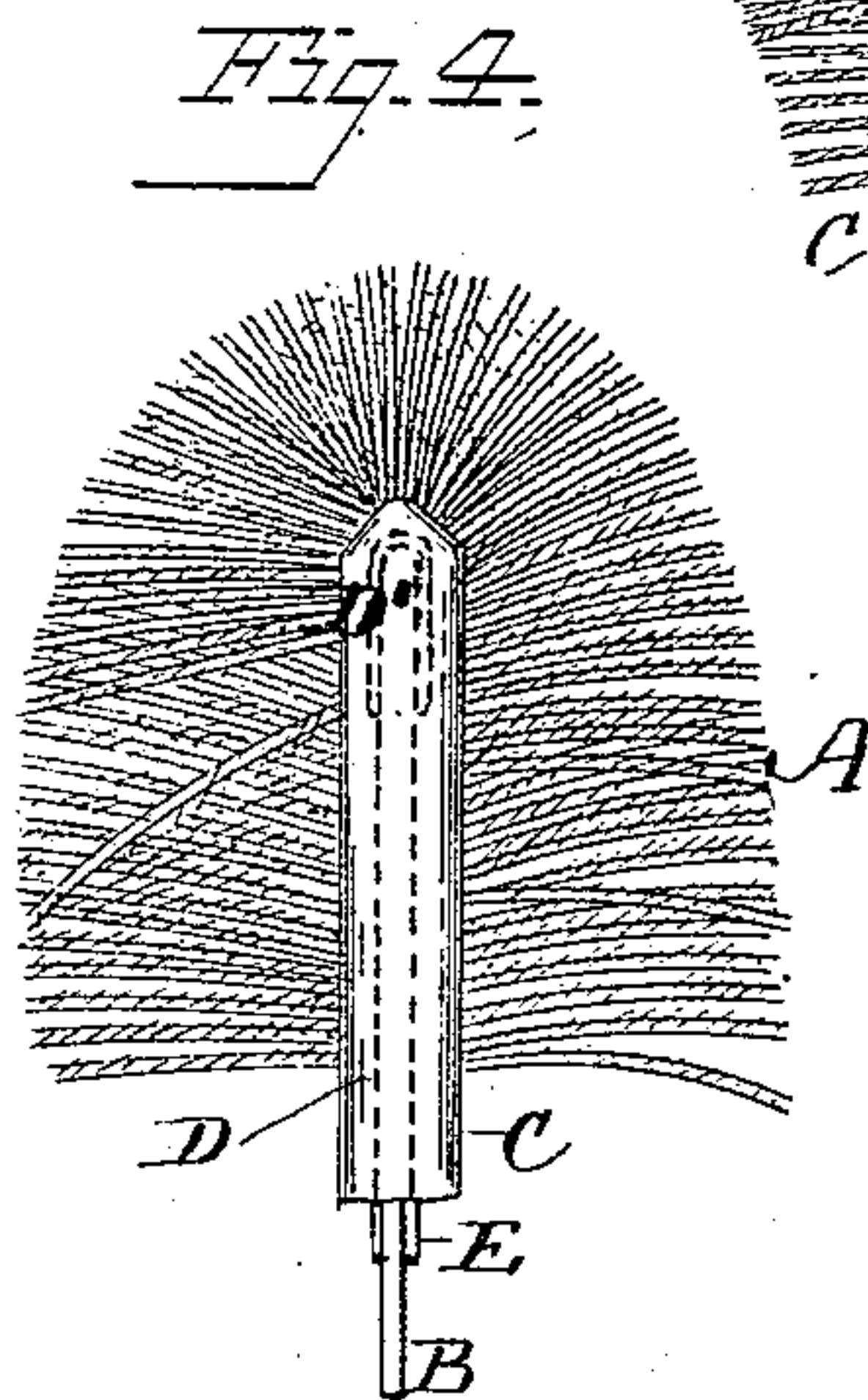
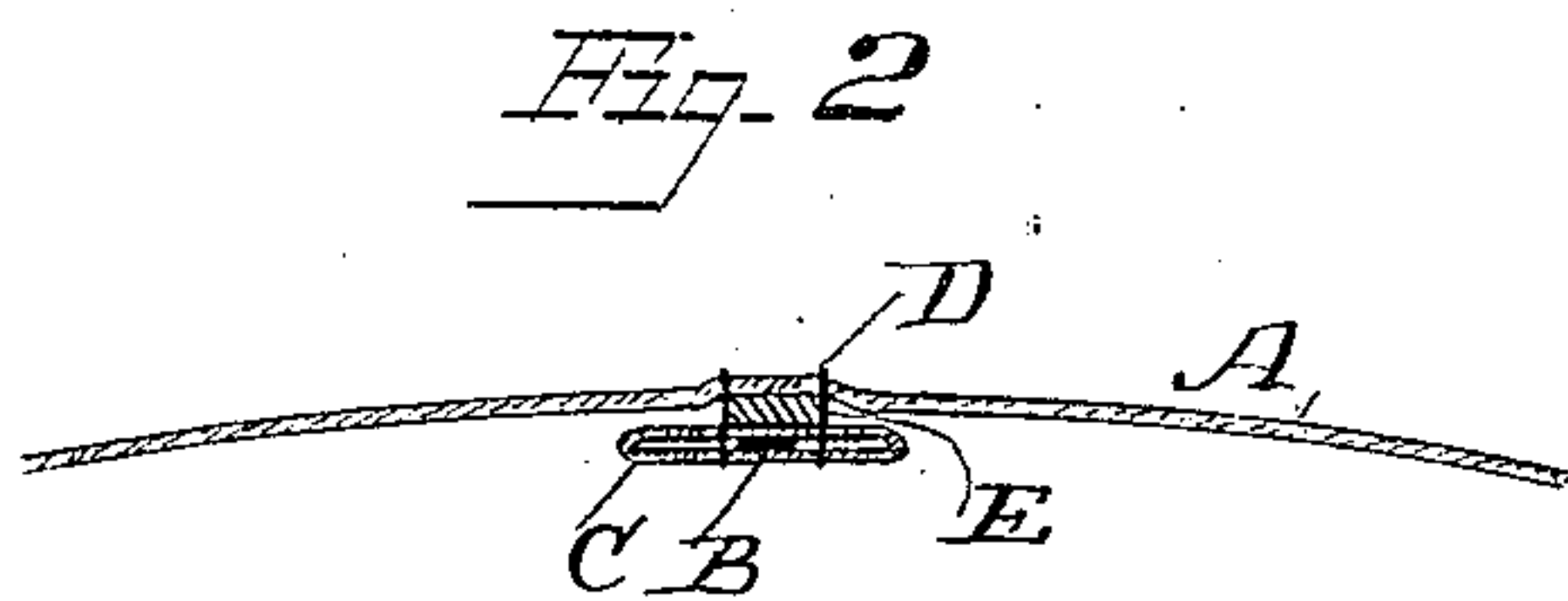
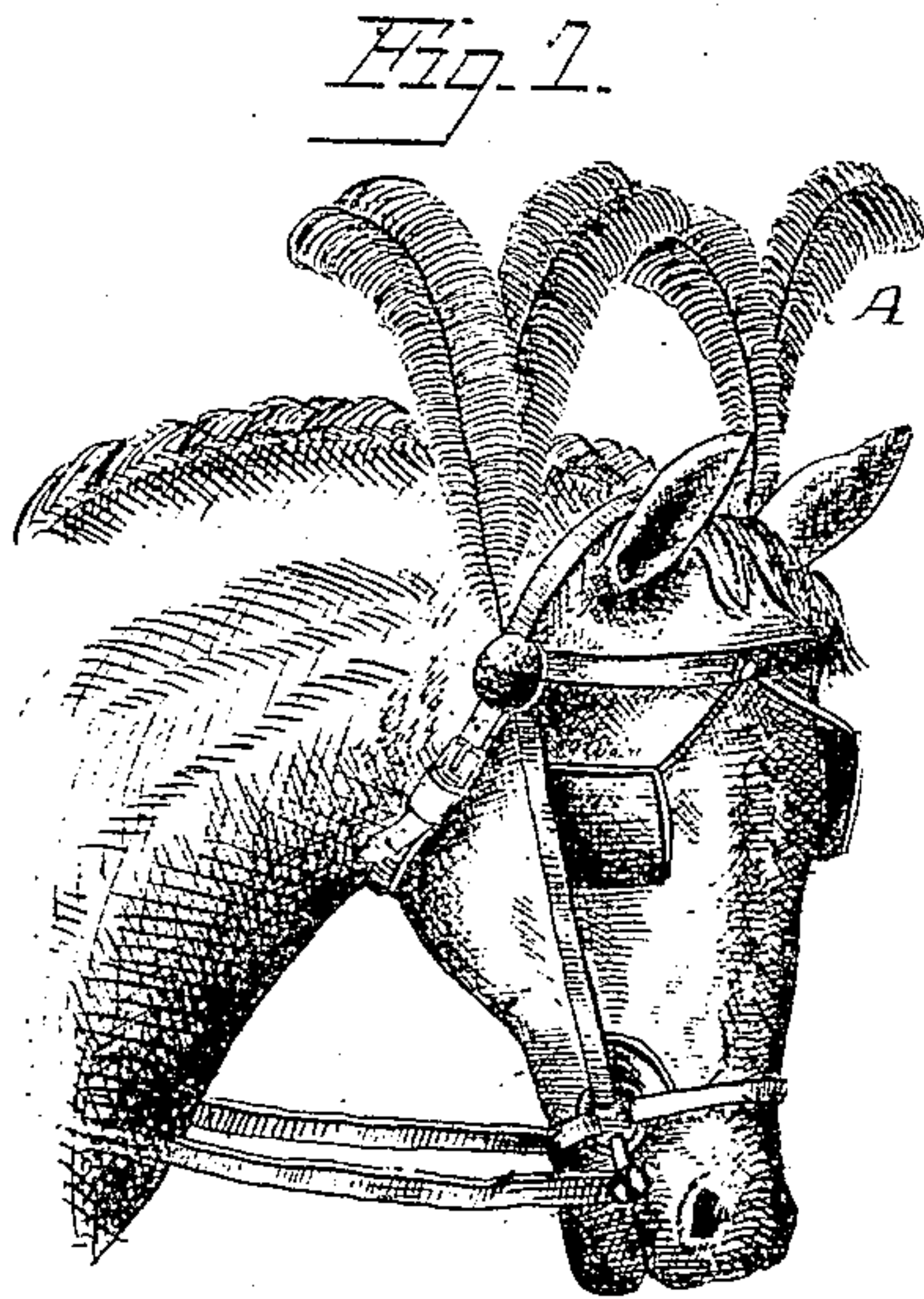
(No Model.)

W. RANDEL.

PLUME FOR HORSES' HEADS, MILITARY HATS, &c.

No. 304,235.

Patented Aug. 26, 1884.



Witnesses:  
L. C. Hills,  
W. B. Masson

Inventor  
William Randel.  
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att'y.



# UNITED STATES PATENT OFFICE.

WILLIAM RANDEL, OF GLEN'S FALLS, NEW YORK.

## PLUME FOR HORSES' HEADS, MILITARY HATS, &c.

SPECIFICATION forming part of Letters Patent No. 304,235, dated August 26, 1884.

Application filed July 12, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM RANDEL, a citizen of the United States, residing at Glen's Falls, in the county of Warren and State of New York, have invented certain new and useful Improvements in Plumes for Horses' Heads, Military Hats, &c., of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention has relation to plumes for use as ornaments to be applied to harness, military-caps, hats, and any other place where plumes constitute a portion of a regalia; and the invention consists in a plume constructed as hereinafter described, and specifically set forth in the claims.

Referring to the drawings, Figure 1 is a general view, illustrating one application or use of the plume. Fig. 2 is a transverse section. 20 Fig. 3 is a view showing the back of the plume, and Fig. 4 a view showing the under side of a portion of the plume.

Like letters indicate like parts in all the figures.

25 To construct a plume in accordance with my invention, I arrange a series of strands, A, of any suitable spun or twisted material—such as yarn, either cotton or woolen cord—or it may be a series of strips of suitable textile fabric or other material—such as hemp and 30 jute—side by side upon a form, stick, splint, or rib, B, which may be made of wood, bone, wire, steel, or other suitable material, which preferably is more or less elastic and backed by or inclosed in any suitable textile or other flexible fabric, C—such as cloth, leather, or rubber—and unite the parts together by means of a row, D, of stitches extending along each side of the rib through the strands and 35 the backing. The rows of stitching may merge into each other at the point of the plume, as shown at D', if desired, and an additional quantity of yarn be secured at or adjoining the tip-end, to improve its appearance. Furthermore, I may arrange two or more layers of strands, A, at the point only, or throughout the entire length of the plume, and I may

give more or less rigidity and prominence to the rib by inserting between it and the backing a paste-board or other suitable strip, E, 50 and the stitching be done therethrough, the side-projecting portions of which, after the stitching has been accomplished, may be broken off and removed along the line of the stitches, they acting to perforate the same for 55 such a separation, and also acting to retain a portion between the two lines thereof, to give prominence to the rib.

It is apparent that I may omit the thickening-strip E, and that I may increase or diminish 60 the width of the rib and of the backing C, and the number of rows of stitches along the sides thereof; but as a single row produces a fair imitation of the natural rib in plumes, such may on that account be preferable. A single 65 row through the center of the rib will also answer the purpose by using a rib provided with perforations for the stitches or needle to pass through.

The plumes, constructed as shown and described, are available for use in ornamenting 70 head-stalls, and being flexible, they can easily be bent around the crown of a hat, and thus be made to assume a graceful and pleasing appearance.

Having described my invention, what I claim is—

1. As an improved article of manufacture, a plume consisting of strands of material, as described, secured to a rib having a backing 80 of textile fabric by stitches passing through said rib, substantially as specified.

2. A plume consisting of a series of strands of the character described, a strengthening-rib, a backing of textile fabric, and a thick- 85 ening-strip, the whole secured by rows of stitches, substantially as shown and described.

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

WILLIAM RANDEL.

Witnesses:

E. E. MASSON,  
L. C. HILLS.