

No. 843,114.

PATENTED FEB. 5, 1907.

J. E. SNEVELY.
FEATHER DUSTER.
APPLICATION FILED SEPT. 13, 1906.

Fig. 1.

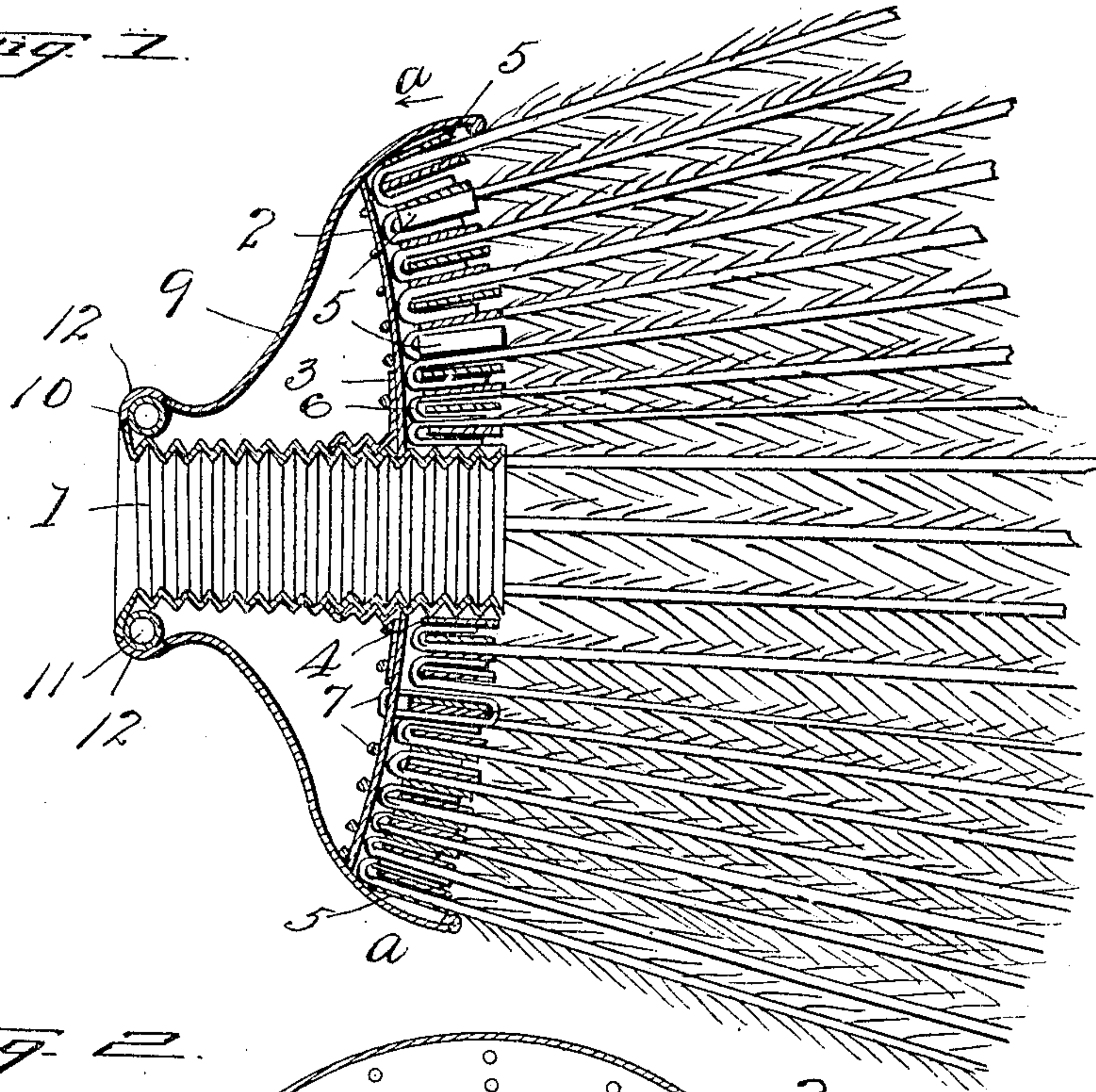
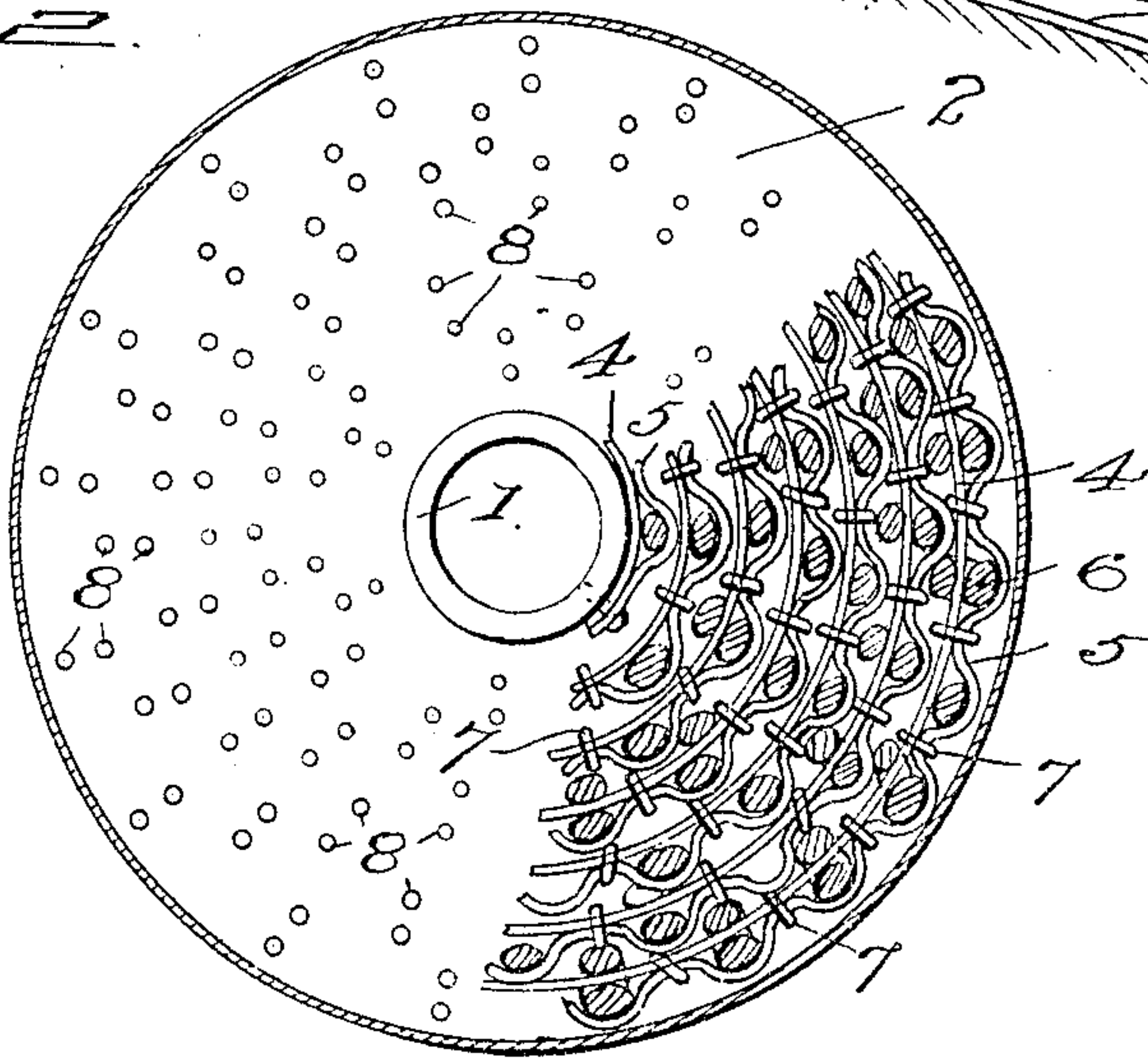


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES E. SNEVELY, OF SAN FRANCISCO, CALIFORNIA.

FEATHER DUSTER.

No. 843,114.

Specification of Letters Patent.

Patented Feb. 5, 1907.

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To all whom it may concern:

Be it known that I, JAMES E. SNEVELY, a citizen of the United States, and a resident of San Francisco, in the county of San Francisco and State of California, have invented a certain new and Improved Feather Duster, of which the following is a specification.

My invention relates to feather dusters, and especially to a duster of so-called "ostrich-feathers."

The invention consists in the novel features of construction and arrangement hereinafter set forth, and illustrated in the accompanying drawings, which illustrates an exemplification of the invention.

Figure 1 is a longitudinal section through the head of a feather duster embodying my invention, and Fig. 2 is a cross-section at *a a*, Fig. 1.

A tube 1 is provided with interior and exterior threads. Any suitable handle is secured into the tube. A disk 2, having a central hole, is placed on the tube and secured in the desired position in any suitable manner. For example, as shown, the disk may rest on or be secured to a thimble 3, having an interior screw-thread engaging the tube. One or more spacing-strips 4, preferably of metal, are secured each at one end to the tube and coiled about the tube adjacent to the disk in flat spiral form. One or more crimped strips 5 are provided, so that a crimped strip lies between each two adjacent coils of the spacing-strip, and one end of each of the crimping-strips is connected to the tube.

The brush is assembled by placing the disk 2 upon the tube and putting the thimble 3 in position in cases where it is used. Assuming, then, that a single spacing-strip and a single crimped strip are used, one end of each of these is secured to the tube and a partial turn is taken about the tube with the crimped strip innermost. The shafts 6 of the feathers are now inserted one by one, each between the spacing-strip and the crimped strip, the crimps on the latter strip affording a ready means for spacing the feathers apart any required distance and also for holding them securely in place. The ends of the shafts are turned under the spacing-strips and upward on the opposite side, where they lie in recesses provided by the crimped strip. The coiling of this strip and insertion of the feathers is continued, and to secure the strips in position at desirable intervals a wire or wires

(or other suitable binding material, such as twine) 7 are passed through perforations 8 in the disk, over the strips and down again through other perforations, in this manner practically sewing the strips to the disk. The process is continued until the disk is fully covered with feathers. A cuff 9 of suitable shape is then slipped over the tube and disk and crimped or otherwise suitably secured, as at 10, to the tube. In the present instance this is accomplished by providing a solid or hollow ring 11, which rests in an annular recess 12 in the tube and around which the cuff is shaped after it is put in place. The cuff forms a covering and protection for the head.

The disk 2, as shown, is of somewhat curved shape, and this curvature is to be varied as desired to give such a shape to the brush as may be required.

The construction described is particularly adaptable to use with ostrich-feathers; but it is to be distinctly understood that I do not limit myself to the use of these feathers, but contemplate employing any other suitable feathers and, in fact, any substitute for ostrich-feathers which may conveniently be employed.

I claim—

1. In a brush a base, a plain coiled strip secured thereon, a crimped strip intermediate the coils of the plain strip forming a series of sockets, and feathers having their shafts secured in the sockets.

2. In a brush, the combination of a base, a flat coiled strip secured thereon, a crimped strip intermediate the coils of the flat strip, and a plurality of feathers having their shafts inserted in the sockets provided between the crimped and flat strips.

3. In a brush, the combination of a base, a flat coiled strip secured thereon, a crimped strip intermediate the coils of the flat strip, and a plurality of feathers having their shafts inserted in the sockets provided between the crimped and flat strips and bent under the flat strip.

4. In a brush, the combination of a base, a flat coiled strip secured thereon, a crimped strip intermediate the coils of the flat strip, and a plurality of feathers having their shafts inserted in the sockets provided between the crimped and flat strips and bent under the flat strip and carried up on the other side of the flat strip.

5. In a brush, the combination of a tube, a disk thereon, a coiled metal strip on the disk, a plurality of feathers having their shafts between the coils of the strip and one or more strands passing over the strips and through perforations in the disk securing the strips in position.

6. In a brush, the combination of a threaded tube, a disk thereon, a coiled flat-metal strip adjacent to the disk, a crimped metal strip lying intermediate the coils of the flat strip, a plurality of feathers having their shafts secured between the crimped and flat strips and bent under the bottom edges of said strips, one or more strands passing over said strips and through perforations in the

disk serving to retain the strips in position, a ring, and a cuff covering the tube, disk, and ends of the feather-shafts and secured to the tube by crimping about the ring thereon. 20

7. In a brush, the combination of a base, feathers, and one or more strips coiled on the base, between the coils of which the feathers are secured, and sewed to the base by strands passing over the strips and through perforations in the base. 25

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

JAMES E. SNEVELY.

Witnesses:

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