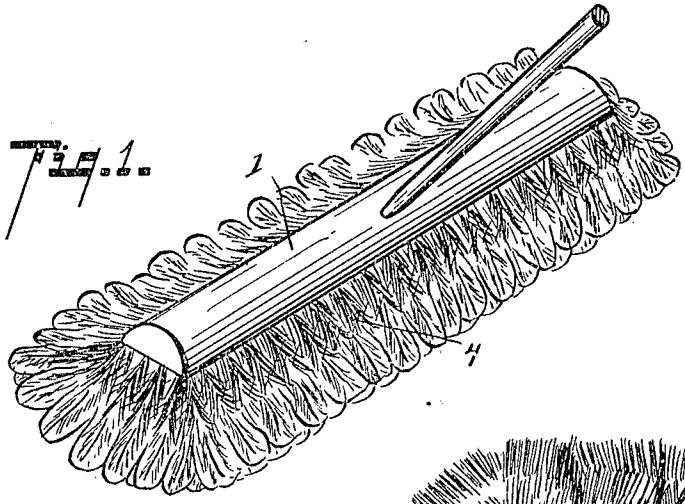
E. E. SMITH.

FEATHER BRUSH.

APPLICATION FILED JUNE 10, 1909.

954,354. Patented Apr. 5, 1910.

Fig. 1.



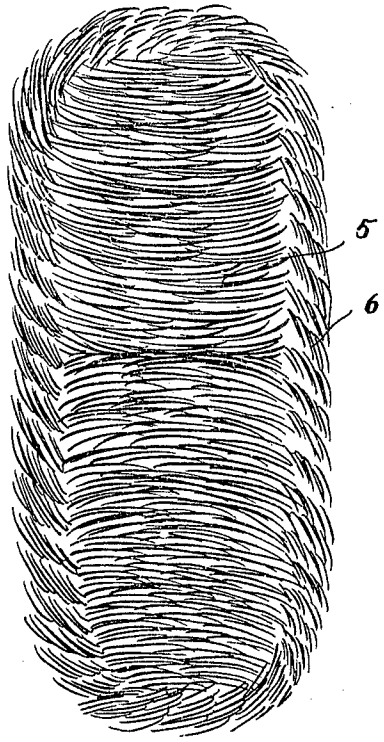
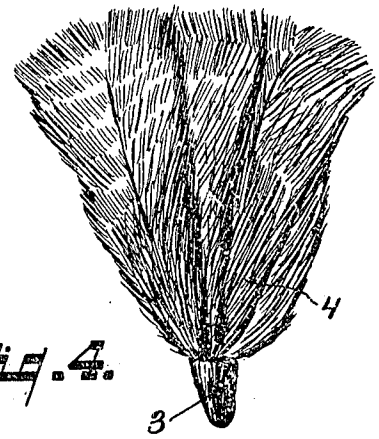


Fig. 2.

Fig. 4.



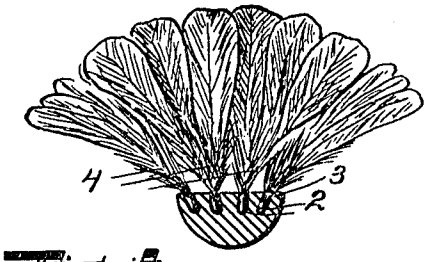


Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

EDGER E. SMITH, OF BATTLE CREEK, MICHIGAN.

FEATHER BRUSH.

954,354. Specification of Letters Patent. Patented Apr. 5, 1910.

Application filed June 10, 1909. Serial No. 501,342.

To all whom it may concern:

Be it known that I, EDGER E. SMITH, a citizen of the United States, residing at Battle Creek, Michigan, have invented certain new and useful Improvements in Feather Brushes, of which the following is a specification.

This invention relates to improvements in feather brushes.

The main object of this invention is to provide an improved feather brush which is an effective dust collector,—that is, one which will pick up the dust, and, further, one which can be quickly and easily freed from the dust or material collected.

Further objects, and objects relating to structural details, will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification.

The structure described constitutes one effective embodiment of my invention.

Other embodiments would be readily devised by those skilled in the art.

The invention is clearly defined and pointed out in the claim.

A structure constituting an effective and preferred embodiment of the features of my invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which:

Figure 1 is a perspective view of a brush embodying the features of my invention, the handle being broken away. Fig. 2 is a view of the face of the brush, the feathers being shown in conventional form. Fig. 3 is a cross section thereof through the central part. Fig. 4 is an elevation view of one of the tufts of feathers.

In the drawing, similar reference numerals refer to similar parts throughout the several views.

Referring to the drawing, the head 1 is provided with holes 2 in its under face to receive the inner end 3 of the tufts of feathers 4, the feathers being preferably arranged in tufts and secured by means of suitable binding material which forms the inner end 3 of the tuft.

The feathers are arranged on the brush in a central group or portion 5, and a border or outer portion 6, which surrounds the central portion. The feathers of the central portion are arranged edge-wise, and the feathers of the border portion are arranged flat-wise relative to the longitudinal edges of the brush. In use, the border feathers serve to prevent the dust from rising and enable the collection of the dust into the central feathers, which collect and hold the dust or matter thus gathered. To free the dust or matter collected, it is only necessary to move the brush end-wise over the hand, or other object, which spreads the feathers of the central portion, allowing the dust to drop out. The feathers used are preferably those of a uniform size, having flat plumage, which can be arranged compactly and so that they overlap. I have illustrated the feathers as secured in tufts, as this provides a convenient means of arranging and securing them on the head. The securing means, however, is immaterial other than that the feathers should be so secured that they retain their position in the brush.

My improved brush is very effective in that it effectively collects the dust rather than merely brushing it from one place to another. The brush illustrated shows one embodiment of my invention as I have put it into practical use. I am aware that the structural details may be varied according to the particular use to which the brush is to be put, and, as stated, while the means illustrated of securing the feathers to the head or back of the brush are preferred by me, they may be secured in any suitable manner which will effectively retain them in place.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

A brush comprising a head and feathers arranged thereon, said feathers being arranged in a central group or portion, and a border group or portion, the feathers of said central group being arranged with their edges transversely and those of the border being arranged with their edges parallel to the brush body.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses.

EDGER E. SMITH. [L. S.]

Witnesses:
CLORA E. BRADEN,
F. GERTRUDE TALLMAN.