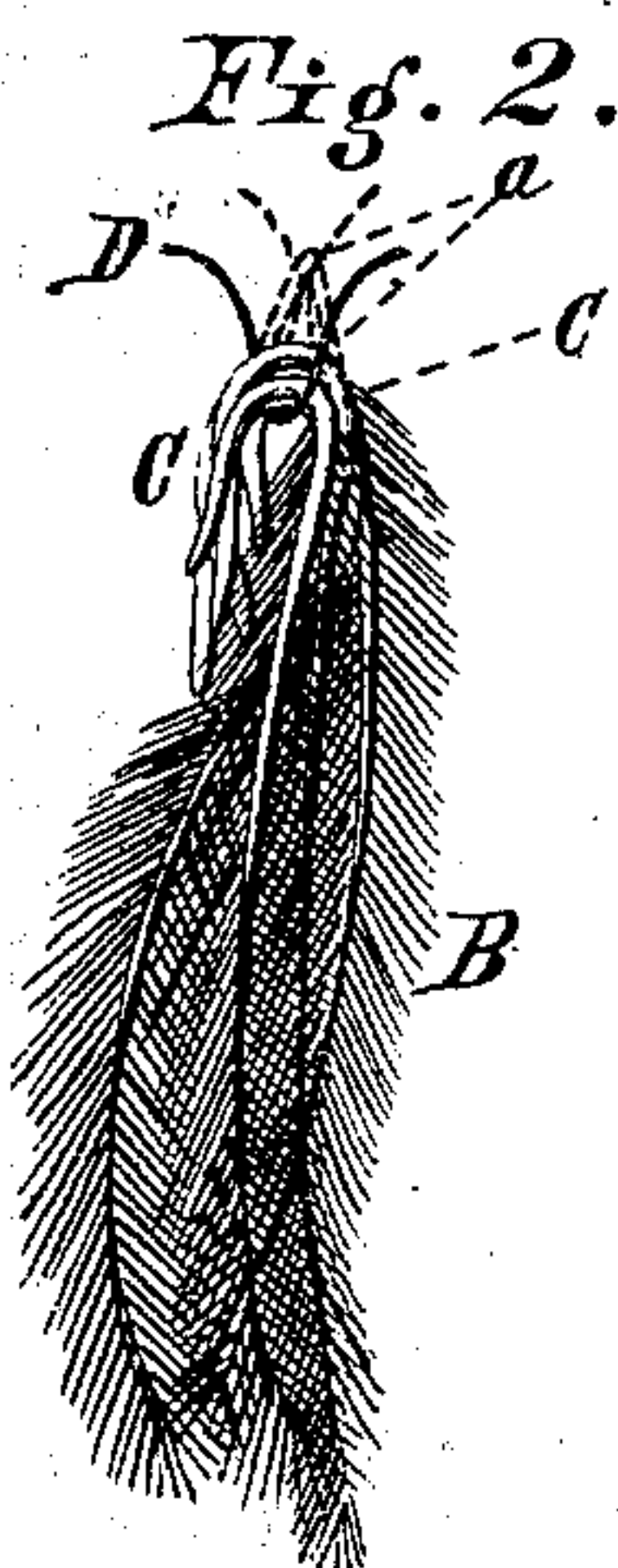
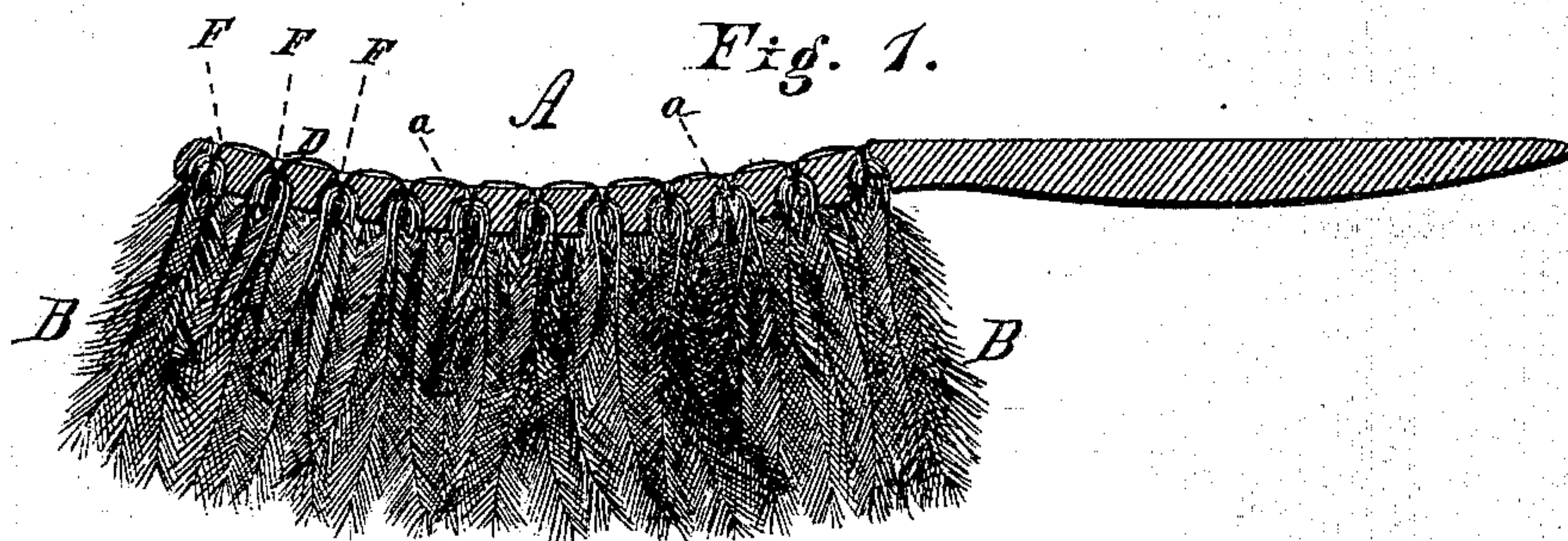


C. L. W. BAKER.

Feather-Dusters.

No. 144,728.

Patented Nov. 18, 1873.



*Witnesses.*

*A. Schmandt*

*Millard F. Walton.*

*Inventor.*

*Charles L. W. Baker,*

*by J. A. Diederichsen & Co.*  
*attys.*



# UNITED STATES PATENT OFFICE.

CHARLES L. W. BAKER, OF CAMDEN, NEW JERSEY, ASSIGNOR TO JOHN L. MASON, OF SAME PLACE.

## IMPROVEMENT IN FEATHER DUSTERS.

Specification forming part of Letters Patent No. **144,728**, dated November 18, 1873; application filed September 16, 1873.

*To all whom it may concern:*

Be it known that I, CHARLES L. W. BAKER, of the city and county of Camden and State of New Jersey, have invented a new and useful Improvement in Feather Dusters; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand, make, and use the same, reference being had to the accompanying drawing making part of this specification, in which the figure is a longitudinal vertical section of the brush or duster embodying my invention.

It is well known that great difficulty has been experienced with feather dusters or brushes in properly applying the feathers to a head or back, owing to their liability to work loose and break or cut off, or, in other words, to their general insecurity.

My invention consists in bending the quills, applying to the bends wire or cord, and drawing the bent portion through the perforations in the back or head, whereby a firm fastening for the feathers is obtained, and a superior brush produced.

Referring to the drawings, A represents a back or head of a brush, and B B feathers applied thereto. C represents the quills of the feathers, which are bent near their ends, as at C. The feathers are collected in tufts, and wire or cord D is passed around the bends thereof. The bent ends of the quills are then inserted in openings F made in the back of

the brush, said openings being preferably of contracted or conical form, the narrowest portion being above. The wire D is now drawn upward and out of the opening, and the tuft of quills carried fully into the opening, the contracted form of which compresses the bends, as at *a*, and tightens them in the opening. Another tuft is similarly manipulated, the wire from the first tuft passing thereto, and so on throughout, after which the upper ends of the openings are filled, or a backing applied thereover, and the brush is complete.

It will be seen that the hold of the feathers to the back is firm, since they fit snugly in the opening thereof, and the wire resists their outward passage. The wire is entirely within the openings in the back, and not liable to cut the feathers. Small feathers may be utilized by my manner of attachment, and handles, similar to that shown in the drawings, readily adapted for my purpose.

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

The feather duster, consisting of the feathers B B applied to the back A by bending the quills of the feathers, passing them through perforations F in the back, and securing them by wire or cord D, substantially as and for the purpose set forth.

CHARLES L. W. BAKER.

Witnesses:

JOHN A. WIEDERSHEIM,  
MILLARD F. WALTON.