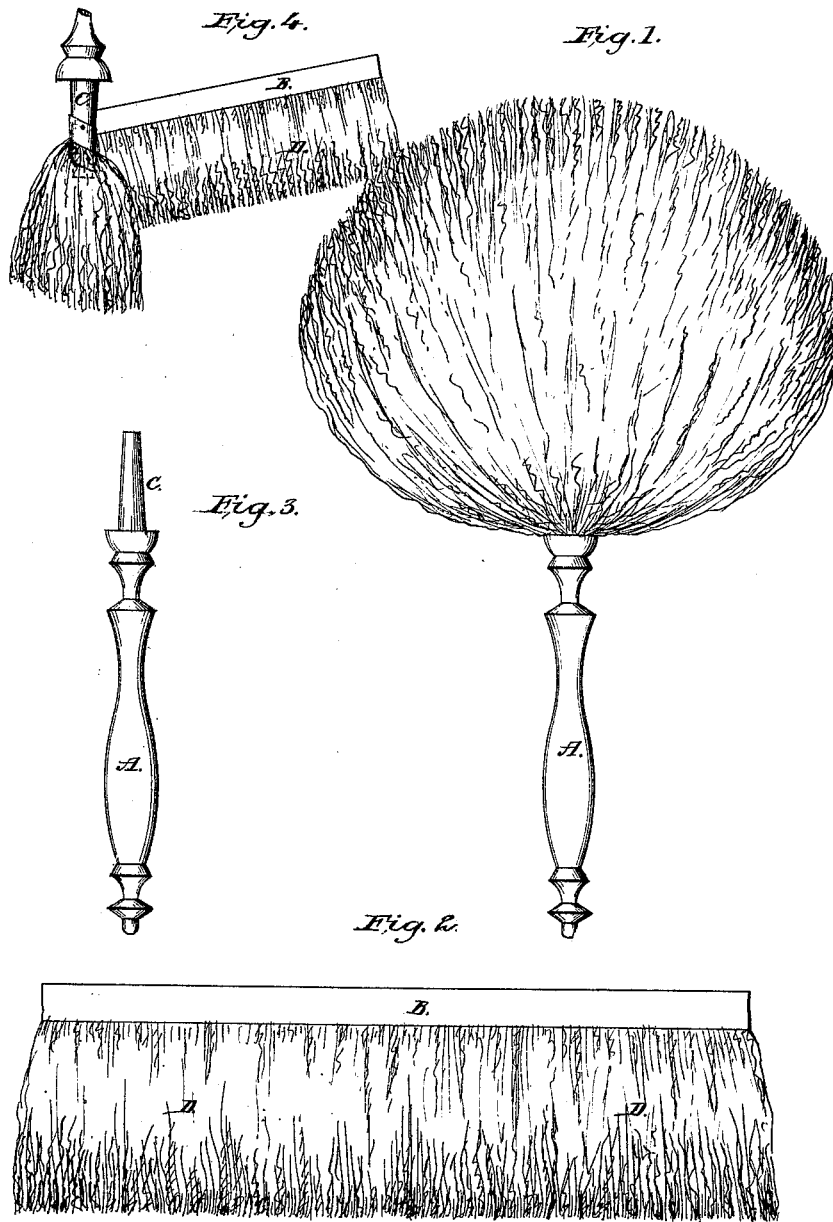


E. C. PATTERSON.  
WOOL DUSTER.

No. 180,913.

Patented Aug. 8, 1876.



Attest:

M. J. Patterson  
S. H. Larson

Inventor:

Elias C. Patterson

# UNITED STATES PATENT OFFICE.

ELIAS C. PATTERSON, OF ROCHESTER, NEW YORK.

## IMPROVEMENT IN WOOL DUSTERS.

Specification forming part of Letters Patent No. **180,913**, dated August 8, 1876; application filed June 5, 1876.

*To all whom it may concern:*

Be it known that I, ELIAS C. PATTERSON, of Rochester, in the county of Monroe and State of New York, have invented a new and useful Improvement in Wool Dusters; and I do hereby declare that the following is a full, clear, and exact description of the same, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in brushes, having in view the permanent and economical attachment of the brushing material to the handle.

In the accompanying drawing, Figure 1 is an external view of my improved brush; Figs. 2 and 3, views showing parts detached, and Fig. 4 a view illustrating the mode of making the brush.

A is the handle of the brush, reduced at one end to form the projecting wooden shank C. E is a strip of sheep-skin, cut of uniform or nearly uniform width, with the wool D adhering thereto. The wool, being applied to the handle by winding the skin upon the shank C, forms the fibrous portion of the brush.

I apply and secure the skin in the following manner: One end is fastened by a tack firmly and closely to the end of the shank C, the fibers D being drawn out from this end parallel and in a line with the shank, and constituting the central fibers of the brush. The

skin is then wound spirally round the shank, as shown in Fig. 4, and is tacked thereto at its inner edge, each fold, as it is laid round the shank, being applied so that its outer edge will overlap the adjacent fold and cover the tack-head thereof, the end being finally and neatly secured at the base of the shank.

This mode of securing the skin is simple, readily and quickly effected, and insures a durable and permanent attachment of the fibers to the handle.

By securing the end of the skin directly and closely upon the end of the shank, the center fibers are directed parallel to and in a line with the shank, and the others are laid round the center in regular gradation, without any tendency to open and diverge.

I am aware that skins have been wound spirally around elastic shanks, the ends only being secured, and the outer end being looped; and I do not claim the use of strips with hair on, nor the spiral winding thereof; but

I claim—

The combination, in a wool dust-brush, of a handle, A, having a projecting wood shank, C, and a strip of skin, E, retaining its hair, one end of the strip being secured closely to the extremity of the shank, and the skin being wound spirally on the shank, and secured thereto along its entire inner edge by tacking, as set forth.

ELIAS C. PATTERSON.

Witnesses:

M. J. PATTERSON,  
G. H. LARSON.