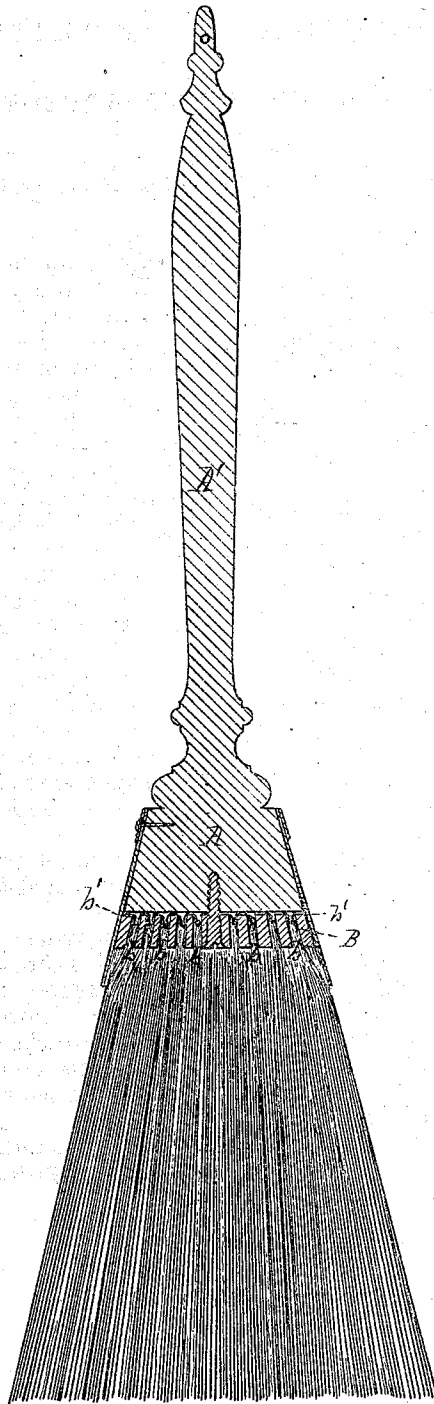


A. SHELLING.

Improvement in Dust Brushes.

No. 124,634.

Patented March 12, 1872.



Witnesses

Alfred Mahon
14 14 Doubleday

Inventor

A. Shelling
by A. M. Smith
att'y.

UNITED STATES PATENT OFFICE.

AUGUSTUS SCHELLING, OF ERIE, PENNSYLVANIA.

IMPROVEMENT IN DUST-BRUSHES.

Specification forming part of Letters Patent No. 124,634, dated March 12, 1872.

To all whom it may concern:

Be it known that I, AUGUSTUS SCHELLING, of Erie, county of Erie, State of Pennsylvania, have invented a new and useful Improvement in Dusting-Brushes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, which represents a vertical section of my improved brush.

Many attempts have been made to construct a brush which can be substituted for the feather-duster in dusting furniture, carriages, railroad coaches, and for other similar purposes, with, as yet, but indifferent success, owing to the difficulty in finding material having a sufficient degree of strength to insure durability, and of elasticity to retain its shape, and which is at the same time cheap enough to warrant its employment for this purpose; all of the above conditions being required to be met in any brush which can be advantageously manufactured and sold.

In order to meet the above-recited requirements, I have made this invention, which consists in producing, as a new article of manufacture, a horse-hair duster, which I will now proceed to describe.

In the drawing, A represents the head, formed of wood in cylindrical form, and usually made in one piece with the handle A'. B is the brush-block. It is provided with a number of perforations, *b*, arranged generally in circular lines, which are concentric with its circumference. These holes are bored at right angles to the face of the block, but incline outwardly in order to give the desired conformation to

the body of the brush, as will be readily seen from the drawing. The hair is drawn into the holes *b*, and firmly secured therein by means of a wire or wires, *b'*, so that there is little or no possibility of its escape; and in addition to the wires I usually employ pitch, or its equivalent, to still further secure the hair. The block is fastened to the head.

I have found by continued use that, in addition to greater durability, a horse-hair duster is superior to a feather-duster, because it retains the same fineness of texture until it is entirely worn out; whereas, when feathers are employed the vanes will, of course, wear off first, leaving the bare quills, and soon rendering the duster practically worthless.

I am aware that Tampico sea-grass and similar materials have been used for dusters, but, owing to a lack of elasticity to this class of fiber, dusters made from it soon lose their shape and become spread and straggled to such an extent as to render them practically inoperative.

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

As a new article of manufacture, the herein-described dust-brush, composed of hair drawn in and affixed to the perforated head B by means of wire or other strong and suitable material, and attached to the handle A A', the whole made in the form of a feather-duster, as described and shown.

Witnesses:

A. SCHELLING.

RD. A. HYDE,

H. H. DOUBLEDAY.