

L. KISSLING.

Improvement in Brushes.

No. 129,143.

Patented July 16, 1872.

Fig. 1.

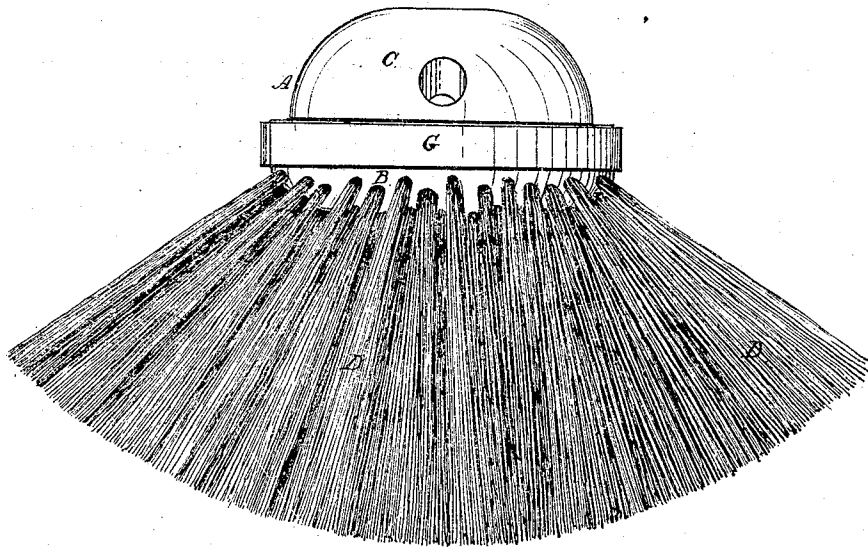
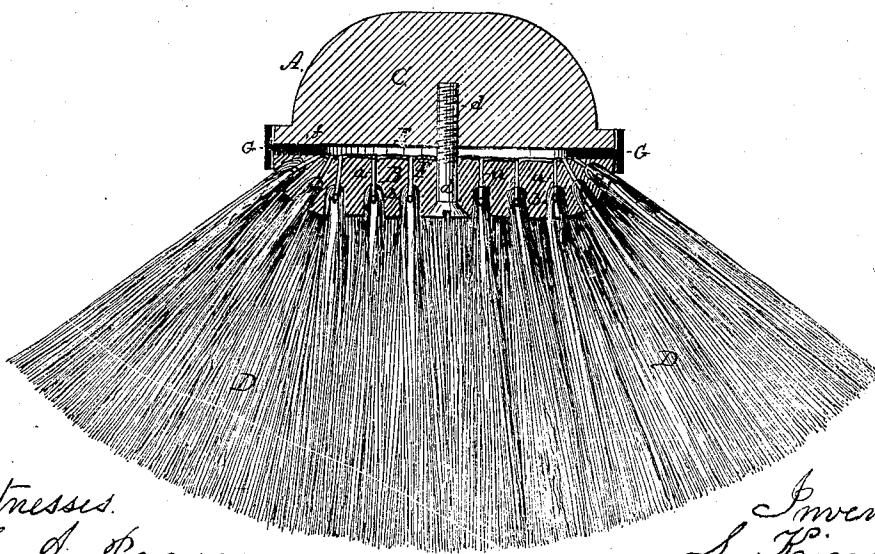


Fig. 2.



Witnesses.
C. A. Pease
Richard Morris for

Inventor.
L. Kissling
per Brown Brothers,
Attorneys.

UNITED STATES PATENT OFFICE.

LAURENT KISSLING, OF EAST CAMBRIDGE, MASSACHUSETTS.

IMPROVEMENT IN BRUSHES.

Specification forming part of Letters Patent No. 129,143, dated July 16, 1872.

To all persons to whom these presents shall come:

Be it known that I, LAURENT KISSLING, of East Cambridge, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Brushes; and that the following description, taken in connection with the accompanying plate of drawing, is a full and exact specification of the same.

This invention relates to brushes manufactured more especially for washing windows; and it relates to the attachment to and around the brush-head of an India-rubber or other elastic cushion. The invention mainly consists of a brush having its head made in two parts, between which is disposed an India-rubber or other elastic cushion to project outside of the head, and said cushion there secured by fastening said parts together.

In the accompanying plate of drawing my improvement in brushes is illustrated—

Figure 1 being a side view of a brush made according thereto, and Fig. 2 a central transverse section.

A in the drawing represents the head to a brush of the class to which this invention relates. This head A is made in two parts, B and C. In one, B, of the parts B C, bunches of bristles D are secured by wires *a*, as ordinarily, the bunches being arranged in openings *b* of the head part B, as shown. The part C of brush-head is secured at its end E to part B, over its end F, by means of a central screw, *d*, passing loosely through the part B and screwing into the part C, as shown. This allows one part of the head to turn on the other, securing a more even and uniform wear of the bristles. G, an India-rubber cushion, made of

an annular shape, and of a diameter to fit closely about the periphery of the head A at its line of division. This annular cushion around its interior periphery is provided with a flat flange, *f*, which is at a right angle to the width of the cushion. The cushion-flange *f*, when the cushion is to be applied to the brush-head, is laid upon the inner end of either of the two parts of the head A, so that then placing the other part of head thereon and securing the two together as described, or in any other suitable way, the cushion will be rigidly fastened in place, its flange *f* being nipped and confined between the two parts B C.

The purpose of the cushion H on a brush for washing windows is to decrease the danger of breaking the glass when used. It is obvious the flange *f* of cushion H operates a packing against the entrance of water between the two parts of brush-head A, and thus in a great degree prevents the corrosion of the wire employed to hold the bristles D in head A. The head A may be in more than two parts, but two are sufficient.

Having thus described my improvement in brushes, I shall state my claim as follows:

A brush having its head made in parts, and an elastic cushion secured between said parts, as described and shown, for the purpose specified.

The above specification of my improvements in brushes signed by me this 4th day of January, A. D. 1872.

LAURENT KISSLING.

Witnesses:

ALBERT W. BROWN,
EDWIN W. BROWN.