

C. BOECKH.

Brooms.

No. 136,694.

Patented March 11, 1873.

Fig. 1.

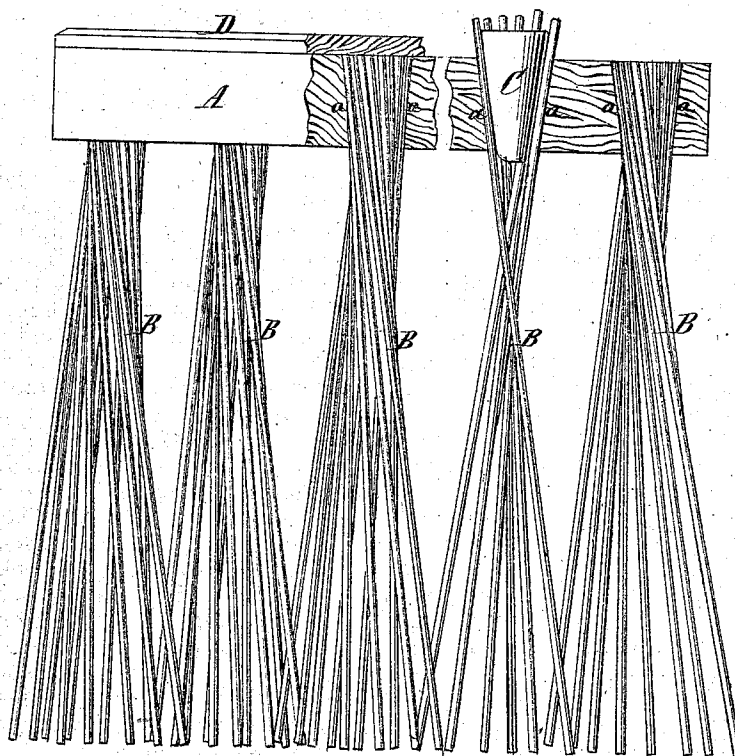
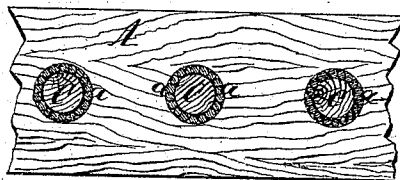


Fig. 2.



Witnesses:
Ernst Bilhuber.
C. Wapler.

Inventor:
Charles Boeckh
per
Wm. Santwood & Son
attys

UNITED STATES PATENT OFFICE.

CHARLES BOECKH, OF TORONTO, CANADA.

IMPROVEMENT IN BROOMS.

Specification forming part of Letters Patent No. 136,694, dated March 11, 1873.

To all whom it may concern:

Be it known that I, CHARLES BOECKH, of Toronto, Canada, have invented a new and useful Improvement in Brooms; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a sectional side view of my broom. Fig. 2 is a sectional plan view of the back of my brush.

Similar letters indicate corresponding parts.

This invention relates to a brush or broom made of slips of rattan, willow, or other wood, or of pieces of metal wire, which are collected in bunches of suitable size, then passed through tapering holes in the back of the brush, said holes being widest at their outer or upper ends. Each bunch of strips or bristles, after having been passed through one of the tapering holes, is twisted so as to spread its butt ends for the admission of a tapering plug, which, when driven in, firmly retains the bunch. After the bunches having been thus secured in the back the plugs and the butt ends of the bunches are cut off flush with the surface of the back, and a protecting plate is put on to prevent the tapering plugs from working loose.

In the drawing, the letter A designates the back of my brush, which is made of wood or any other suitable material, and provided with a series of tapering holes, *a*, to receive the bunches B of rattan, willow, metal wire, or any other suitable material. These bunches are of such a size that the same when compressed can be made to pass up through the

narrow ends of the holes *a*, and after having been thus inserted in said holes they are twisted, whereby their upper or butt ends are spread, as indicated in Fig. 1 of the drawing. By these means room is obtained for the introduction of a conical plug, C, between the butt ends of each bunch, and by driving down those plugs the bunches are firmly wedged in the holes *a*. Said plugs are, by preference, made of hard wood, so that by driving them home the strips composing the bunches will be partly embedded in the sides of the holes *a*. After all the bunches have been secured in the back, as above stated, their butt ends, together with the plugs, are cut off flush with the outer surface of the back, and then the protecting-plate D is put on, whereby the plugs are effectually prevented from becoming displaced or from working loose.

By these means a strong and durable brush can be made with comparatively little labor.

What I claim as new, and desire to secure by Letters Patent, is—

The combination of bunches B of rattan or other suitable material with the back A, tapering plugs C, and a protecting-plate D, said back being provided with tapering holes *a*, through the narrow ends of which the butt ends of the bunches are pressed, then twisted to admit the tapering plugs, while said plugs, after being driven home, are retained by the protecting-plate, substantially as set forth.

This specification signed by me this 29th day of July, 1872.

CHAS. BOECKH.

Witnesses:

W. HAUFF,
E. F. KASTENHUBER.