(No Model.)

L. YVON.

BRUSH.

No. 257,428. Patented May 2, 1882.

Fig. 1.

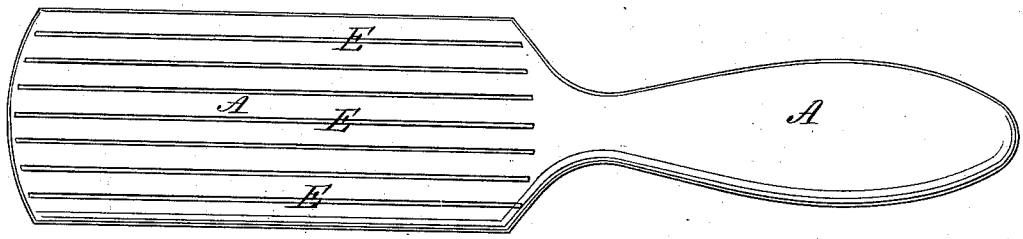


Fig. 2.

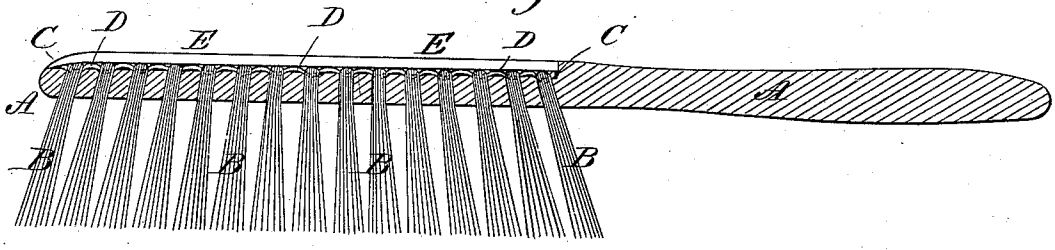


Fig. 3.

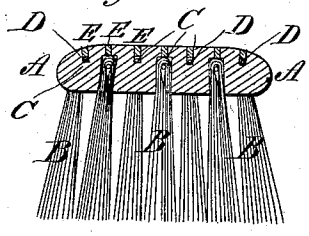
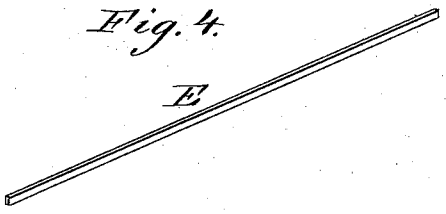


Fig. 4.



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UNITED STATES PATENT OFFICE.

LOUIS YVON, OF BROOKLYN, NEW YORK.

BRUSH.

SPECIFICATION forming part of Letters Patent No. 257,428, dated May 2, 1882.

Application filed February 11, 1882. (No model.)

To all whom it may concern:

Be it known that I, LOUIS YVON, of Brooklyn, Kings county, New York, have invented a new and useful Improvement in Brushes, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of my improvement. Fig. 2 is a sectional side elevation of the same. Fig. 3 is a sectional end elevation of the same, and Fig. 4 is a perspective view of one of the metal bars.

This invention relates to hair-brushes, bath-brushes, and other brushes liable to be wet, and has for its object to prevent the brushes from being injured by being wet.

The invention consists in a brush formed by grooving the back of the stock in line with the rows of holes that receive the bristles, to receive the wire by which the bristles are drawn into and fastened in the said holes, and pressing metal bars into the said grooves to cover the fastening-wire, whereby the brush is protected from being injured by being wet, as will be hereinafter fully described.

A represents the stock of the brush, which has rows of holes bored in it to receive the bristles B. In the back of the stock A, in line with the holes for the bristles B, are sawed or otherwise formed grooves C to receive the wire D, by means of which the bristles B are drawn into and held in the holes in the stock A, so that the said wire D and the bends or loops of the bristles B will be beneath the surface of the back of the brush, as shown in Figs. 2 and 3.

E are small metal bars of such a thickness as to fit snugly into the grooves C in the back of the brush, and which are pressed into the said grooves by hand or by any suitable tool. The bars E can be formed by rolling a wire of suitable size to the required thickness, or in any other convenient manner. After the bars E have been pressed into place in the grooves C the back of the brush is finished in the ordinary manner. With this construction, when the brush is wet the consequent swelling of the wood will clamp the bars E more firmly in place, so that they will not be liable to become loosened or to come out.

I am aware that the longitudinal grooves on the backs of brushes have been filled with sealing-wax, cement, and other similar compositions, and therefore do not claim such; but

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

1. A brush having its back grooved in line with the rows of holes that receive the bristles and the grooves filled with metal, substantially as herein shown and described, and for purpose set forth.

2. In a brush, the combination, with the stock A, provided with the grooves C in line with the rows of holes that receive the bristles, of the metal bars E, substantially as herein shown and described, whereby the bends or loops of the bristles and the fastening-wire are covered and the brush protected from being injured by heat and moisture, as set forth.

LOUIS YVON.

Witnesses:
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