

J. E. & C. E. HOWARD.
BRUSHES.

No. 179,196.

Patented June 27, 1876.

Fig. 1.

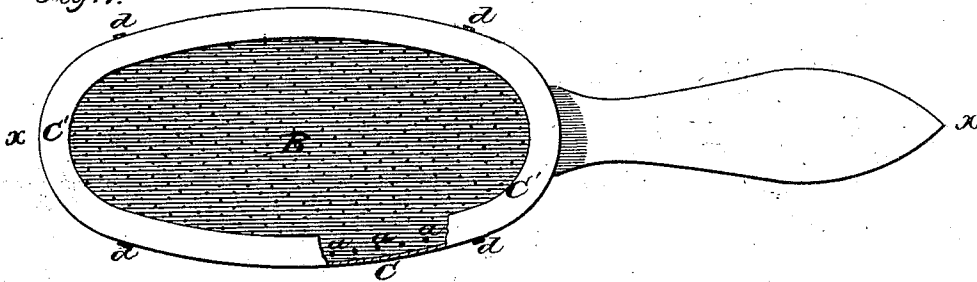


Fig. 2.

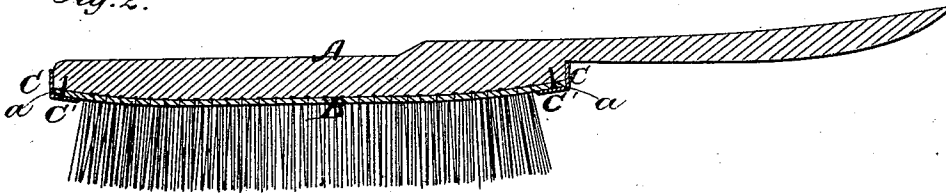


Fig. 3.

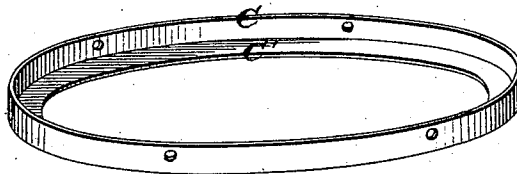
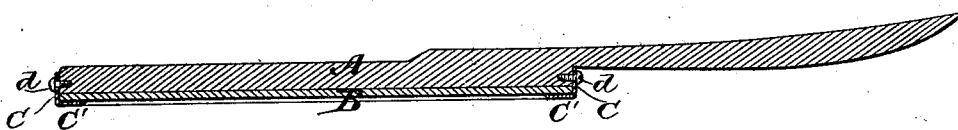


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN E. HOWARD AND CLARENCE E. HOWARD, OF READING, MASS.

IMPROVEMENT IN BRUSHES.

Specification forming part of Letters Patent No. **179,196**, dated June 27, 1876; application filed May 20, 1876.

To all whom it may concern:

Be it known that we, JOHN E. HOWARD and CLARENCE E. HOWARD, of Reading, in the county of Middlesex and State of Massachusetts, have invented certain Improvements in Brushes and Hand-Mirrors, of which the following is a specification:

In the accompanying drawing, forming a part of this specification, Figure 1 represents a view of the face of a hair-brush embodying our invention. Fig. 2 represents a section of the same on line *x x*, Fig. 1. Fig. 3 represents a perspective view of the flanged rim or holder detached, and Fig. 4 represents a sectional view of a hand-mirror embodying our invention.

Similar letters of reference in the accompanying drawing refer to like parts.

This invention relates to hair-brushes and hand-mirrors which are composed of two general parts—viz., a facing of card-clothing (*i. e.*, sheet rubber, or other elastic material, provided with brush-teeth or bristles) and a back and handle, or a facing of glass and a back and handle.

The object of the invention is to provide simple and effective means for securing the facings to the backs of articles of the above-named class, which shall also impart a neat and handsome finish to the completed articles, and strengthen and protect the backs.

To this end our invention consists in the combination, with the back and facing of a hair-brush or hand-mirror of the above-named class, of a flanged rim adapted to inclose and be secured to the edges of the back and cover the margin of the facing, as we will now proceed to describe.

In the drawings, A represents the back of a hair-brush or hand-mirror, and B the facing, which in a brush consists of card-clothing—that is to say, a sheet of rubber provided with straight wire teeth, as shown in Fig. 2—and in a hand-mirror of a sheet of ordinary mirror-

glass. The facing is cut to correspond with the shape of the back, which may be of any desired shape. C represents the metallic rim, which is provided with a flange, C', and is adapted to inclose the edge of the back, as shown, the flange projecting inwardly, and bearing upon and covering the outer edge or margin of the facing. We secure the rim C to the back A by screws *d*, which are inserted through holes in the rim into the edges of the back.

In hair-brushes we attach the edges of the elastic facing or card-clothing to the back by small nails *a a*, which are driven through the rubber, near its margin, before the flanged rim is applied, the latter projecting over and covering the nail-heads, and preventing the rubber from being detached from them.

In heavy brushes it may be advisable to screw the flange to the back, the screws passing through the facing.

In hand-mirrors, the glass facing, being stiff, requires no fastening, excepting that afforded by the flanged rim.

We are by this invention enabled to attach the facing of a hair-brush or hand-mirror to the back with great ease and firmness, besides producing a neat and ornamental article, the flanged rim, which may be of metal, hard rubber, or other suitable rigid material, giving a neat finish. This rim also strengthens the back and prevents it from cracking.

We claim as our invention—

The combination of the flanged rim C with the back A and facing B, substantially as described, for the purposes specified.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

JOHN E. HOWARD.

CLARENCE E. HOWARD.

Witnesses:

LIZZIE H. BROWN,
C. F. BROWN.