

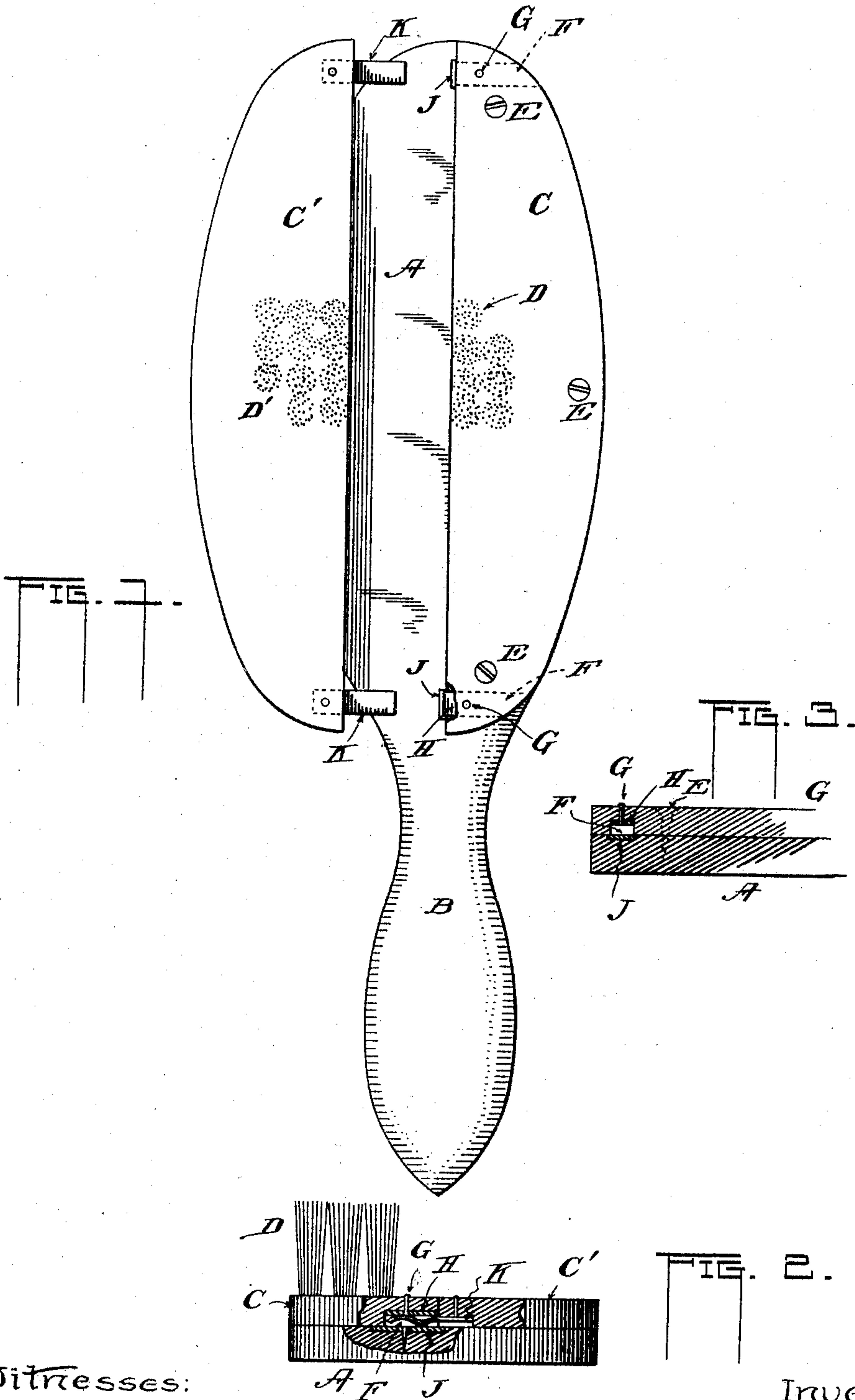
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BRUSH.

APPLICATION FILED MAR. 16, 1908.

929,731.

Patented Aug. 3, 1909.



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UNITED STATES PATENT OFFICE.

CHARLES R. UHLMANN, OF PEORIA, ILLINOIS.

BRUSH.

No. 929,731.

Specification of Letters Patent.

Patented Aug. 3, 1909.

Application filed March 16, 1908. Serial No. 421,296.

To all whom it may concern:

Be it known that I, CHARLES R. UHLMANN, citizen of the United States, residing at Peoria, in the county of Peoria and State of Illinois, have invented certain new and useful Improvements in Brushes; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

This invention has reference to new and useful improvements in hair brushes and has for its object to provide a brush with separable bristle carrying strips, preferably two, one of which is fixed to the body, the other being removable therefrom and from said fixed strip.

To the end that the invention may be understood I have provided the accompanying drawing in which—

Figure 1 is a plan of the bristle side of a brush. Fig. 2 is an elevation of one end of the brush showing parts in section. Fig. 3 is a vertical longitudinal section of a portion of the brush.

Letters of reference in both the drawing and specification correspond.

The purpose of providing separable bristle-strips is that said brush may be readily cleaned, but I do not claim anything new in making said brush of separable strips nor to the use of friction for holding the strips together, but claim, rather, the peculiar construction of the brush and the peculiar arrangement of the friction means.

A indicates the back portion of a brush which may or may not be provided with a handle B. Carried by the said back A is a bristle carrying strip C preferably forming half of the brush, a portion of its bristles being indicated at D. For convenience of construction the strip C is a separate part being secured in place by any suitable means as, for instance, by the screws E. The outer edge of the strip follows the contour of the back A while its inner edge is straight. In its under side are transverse recesses or grooves F and in the bottom of each groove is secured, as for instance by means of a rivet G, a metal strip or plate H, Figs. 2 and 3, the purpose of which will be explained presently.

Though I may not employ them I let into the back A, beneath each recess F, a metal strip J the upper surface of which is flush

with the surface of the back as shown in said Figs. 2 and 3, these strips being secured in position in any desired manner.

C' indicates a separate strip, a portion of its bristles being shown at D', and let into its under surface at each end, as indicated in Fig. 2, is a strip of metal K, these being adapted to enter the recesses F and are properly bent to contact with the plates H, or with the plates J, or both, and in a manner to provide sufficient friction to prevent the strip C' from leaving its position; it being preferable to bend the free extremities of the strips downward from the under surface of the said strip and extend said extremities far enough beneath the part C to firmly engage it so as to hold the said strip C' against the back A and prevent it from raising at its outer edge, the said strip K being sufficiently rigid to accomplish this purpose, I having shown the spring contacting with both strips or plates H and J, (see Fig. 2). The latter members are provided so that the springs will have a hard substance with which to contact, since if they were to bear against the wood it would be quickly worn away. The springs are of some considerable length so that when positioned within the recesses F the strip C' to which they are attached will be held firmly against and in contact with the back A. The position of the strips may, of course, be reversed, that is to say, the strip C may be placed upon the left side of the brush and the removable strip C' at the right side in order to provide for right or left handed persons, it being the purpose in using the brush that preferably the pressure of the removable strip in an edgewise tendency of movement, in the act of brushing the hair, will be rather against the fixed strip than in a direction such as would have a tendency to draw the springs K out of the recesses F.

For purposes of convenience in construction the strip C is secured to the back, but if desired this may form an integral part of the brush. The back A forms the sole support for the removable strip and receives the pressure therefrom, the members K merely acting by friction to prevent movement of the parts relatively. The exact position of the recesses F or equivalent provision is not important but may be placed where desired; likewise the members K to correspond therewith and various other changes may be made in my improved brush as will come within

the meaning and intent of the invention and the claims.

Having thus described my invention, I claim:

- 5 1. In a brush the combination with the back thereof, of a fixed and a movable bristle carrying strip longitudinally disposed upon and overlying said back adjacent to each other, said movable strip being capable of
10 lateral movement with respect to its portion of said back and said fixed strip and also capable of entire free removal laterally from both, and coöperating laterally disposed
15 freely separable latch members carried by the movable strip and one of the other described portions and arranged to be engaged and disengaged by the lateral adjustment of said movable strip, and to admit of its entire separation from said other portions.
- 20 2. The combination of the back of a brush having a raised portion extending longitudinally thereof and provided with bristles, there being a laterally disposed recess beneath the bristles, a strip adapted to lie upon
25 said back adjacent to and with its top surface flush with the top of the raised portion and provided with bristles, and a flexible laterally disposed member carried by the strip and adapted to enter the recess and
30 frictionally engage the walls thereof.
3. In a brush, the combination of the back thereof having a raised bristle-carrying portion extending longitudinally thereof, and having a laterally disposed recess therein
35 substantially parallel to the plane of the back, a bristle-carrying strip to lie upon the

back and having its bristle surface substantially flush with the bristle-carrying portion of the back and a laterally disposed extension carried by the said strip adapted to enter the recess to hold the strip in place by friction. 40

4. A brush comprising a back, a bristle-strip affixed thereto and extending longitudinally thereof, there being recesses in the under surface of said strip adjacent to the back, metallic plates seated in the recesses, a bristle-strip adapted to lie upon the back adjacent to the fixed strip, and extensions secured to the back thereof and extending
50 downward below the plane of the said back and adapted to enter said recesses and frictionally engage both the fixed strip and the said back.

5. A brush comprising a back provided with bristles and having transversely disposed recesses, a detachable bristle-strip therefor, transversely arranged extensions secured to the back of and projecting from one edge of the strip and adapted to enter
60 the recesses, the extremities of the projections being bent downward from the point of attachment with the strip, and a metallic plate in each recess to form a bearing for the bent extremities. 65

In testimony whereof I affix my signature, in presence of two witnesses.

CHARLES R. UHLMANN.

Witnesses:

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