Aug. 23, 1949. H. D. BOWMAN 2,479,666

ILLUMINATED ELECTRIC RAZOR FRAME

Filed Feb. 11, 1946

Fig. 1.

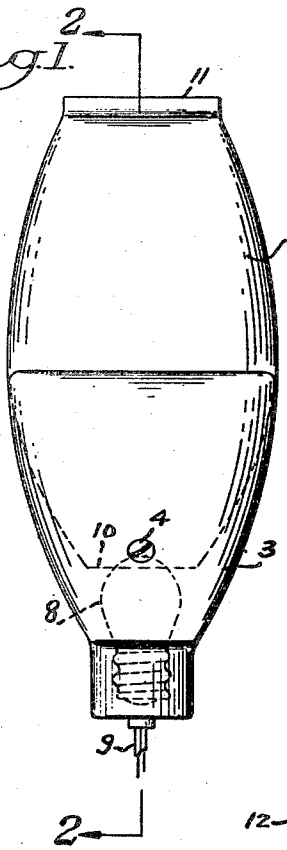


Fig. 2.

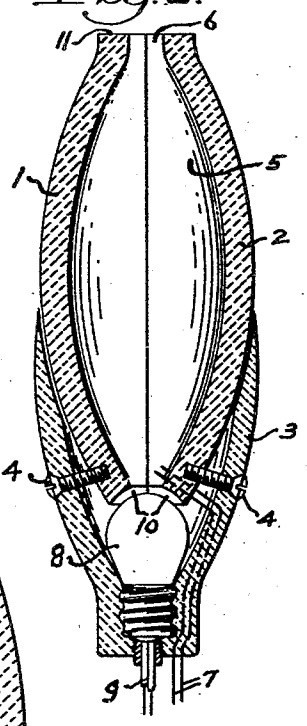
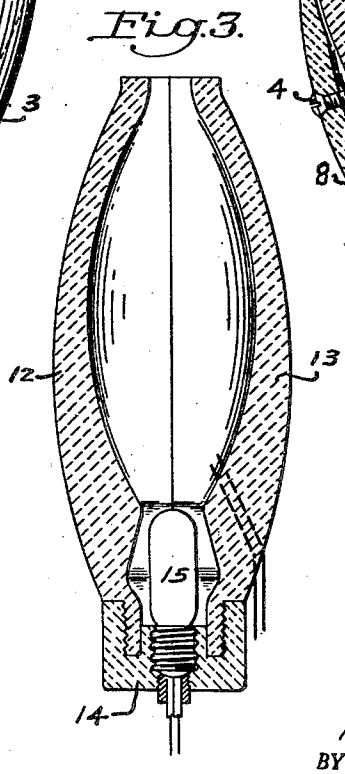


Fig. 3.



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Patented Aug. 23, 1949

2,479,666

UNITED STATES PATENT OFFICE

2,479,666

ILLUMINATED ELECTRIC RAZOR FRAME

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Application February 11, 1946, Serial No. 646,811

4 Claims. (Cl. 240—2)

1

This invention relates to an electric razor frame, and important objects and advantages thereof are to provide a razor frame of the character described, which embodies an electric lamp, which is constructed of a plastic material so arranged to render same capable of conducting the rays of light from the lamp therethrough in the longitudinal direction to the cutting end of the associated razor mechanism, which aside from the lamp requires no extra parts or material except that embodied in the frame structure itself, which will provide suitable lighting means directed on shaving areas to facilitate and expedite shaving operations, which is simple in its construction and arrangement, durable and efficient in its use, compact, and comparatively economical in its manufacture.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the novel construction, combination, and arrangement of parts herein specifically described and illustrated in the accompanying drawing, but it is to be understood that changes in the form, proportions and details of construction may be resorted to that come within the scope of the claims hereunto appended.

In the drawing wherein like numerals of reference designate corresponding parts throughout the several views:

Figure 1 is a front elevational view of an electric razor frame constructed in accordance with the invention.

Figure 2 is a cross sectional view on line 2—2, Figure 1.

Figure 3 is a longitudinal cross sectional view of a modified form of the invention.

Referring in detail to the drawing, the improved razor frame comprises a pair of similar, curvilinear side walls, respectively indicated at 1 and 2, which have their inner end portions engaged in an overlapping frame hood 3.

The side walls 1 and 2 and the integral hood frame 3 are all rigidly and detachably joined together in their relative positions by means of screws 4, or in any other suitable manner. The opposed assembled side walls 1 and 2 form a chamber 5 having an open outer end 6. The chamber 5 is adapted for housing an electrically operated razor mechanism (not shown) with the cutting end of the latter projecting through the open end 6. Electric current conductors 7 are secured in the frame hood 3 and have their terminals disposed in the chamber 5 for connection with the razor mechanism.

2

An electric lamp 8, provided with suitable electric current conductors 9, is mounted in the frame hood 3 at a position directly inward of and adjacent to the inner ends 10 of the assembled side walls 1 and 2.

It will here be noted that, the inner ends 10 and the outer ends 11, of the assembled side walls 1 and 2, are each of a considerable area, and the feature of the invention resides in constructing said side walls of a material capable of conducting light rays therethrough in the longitudinal direction. Such material may be a plastic, or may be any other analogous suitable material capable of light transmission in the manner stated.

In the use of my improved razor frame, the rays of light from the lamp 8 will be directed into both of the side walls 1 and 2 through the inner ends 10 of the latter, as said inner ends 10 are of a considerable area. The light rays will be conducted from the inner ends 10 through the body of side walls 1 and 2 in the longitudinal direction, and will be dispersed from the outer ends 11 of said side walls to illuminate a considerable area surrounding said outer ends and including the cutting end of the razor operating mechanism to thereby facilitate shaving operations by efficient lighting.

The modified form of razor frame, illustrated in Figure 3, differs from the preferred form before described, in that it does not embody the frame hood 3, but comprises a pair of curvilinear side walls 12 and 13 having their inner ends secured together by a cap 14. The cap 14 carries the electric lamp 15 and has a screw thread connection with the inner ends of the side walls 12 and 13. The said side walls are constructed of materials capable of conducting light rays therethrough in the manner described relatively to the preferred form.

The present invention provides a most practical and efficient device of its kind, which may be economically and attractively constructed, and which may be conveniently and successfully employed for the purposes and in the manner herein set forth.

What I claim is:

1. An electric razor frame of the class described, comprising a pair of longitudinally curvilinear side walls, said pair of side walls being shaped to combinedly provide a comparatively large chamber therebetween to receive the razor mechanism and to provide a relatively small chamber at the inner end thereof, a cap having a screw thread engagement with the inner ends

of said pair of side walls for securing the latter together, and a lamp carried by said cap and extending into said small chamber, said pair of side walls being constructed of a material capable of conducting the rays of light therethrough in the longitudinal direction from said lamp to the outer ends of said pair of side walls.

2. An electric razor frame of the class described, comprising a pair of longitudinally curvilinear side walls, said pair of side walls being shaped to combinedly provide a comparatively large chamber therebetween to receive the razor mechanism and to provide a relatively small chamber at the inner end thereof, a cap having a screw thread engagement with the inner ends of said pair of side walls for securing the latter together, and a lamp carried by said cap and extending into said small chamber, one of said pair of side walls being constructed of a material capable of conducting the rays of light therethrough in the longitudinal direction from said lamp to the outer end thereof.

3. An electric razor frame of the class described, comprising a pair of longitudinally curvilinear side walls, said pair of side walls being shaped to combinedly provide a comparatively large chamber therebetween to receive the razor mechanism and to provide a relatively small chamber at the inner end thereof, a cap detachably engaged on the inner ends of said pair of side walls for securing the latter together, and a lamp carried by said cap and extending into said small chamber, said pair of side walls being constructed of a material capable of conducting the rays of light therethrough in the longitudinal direction from said lamp to the outer ends of said pair of side walls.

4. An electric razor frame of the class described, comprising a pair of longitudinally curvilinear side walls, said pair of side walls being shaped to combinedly provide a comparatively large chamber therebetween to receive the razor mechanism and to provide a relatively small chamber at the inner end thereof, a cap detachably engaged on the inner ends of said pair of side walls for securing the latter together, and a lamp carried by said cap and extending into said small chamber, one of said pair of side walls being constructed of a material capable of conducting the rays of light therethrough in the longitudinal direction from said lamp to the outer end thereof.

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