May 6, 1952 J. A. GREENE 2,595,247

RAZOR BLADE HOLDER FRAME

Filed Nov. 30, 1946

Fig. 1

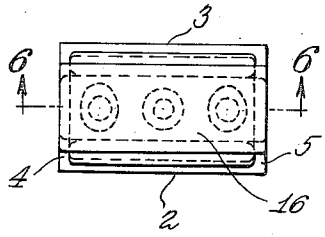


Fig. 2

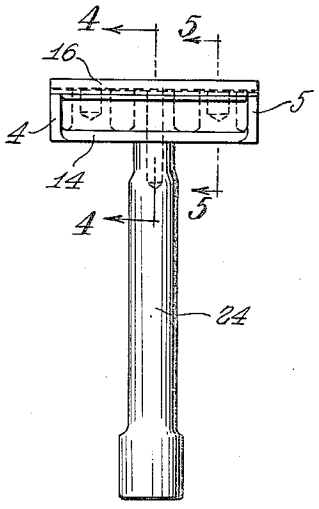


Fig. 4

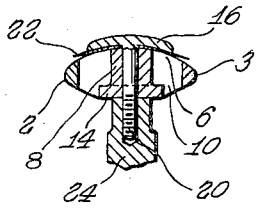


Fig. 5

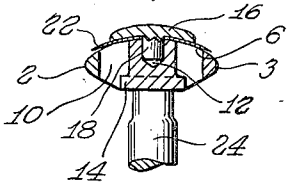


Fig. 3

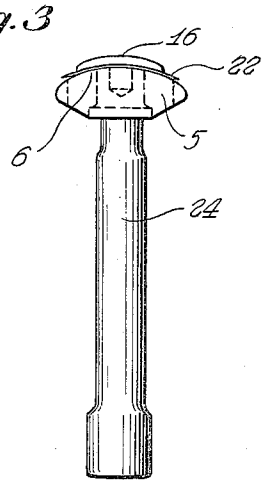
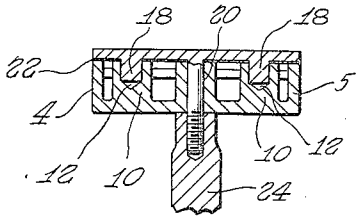


Fig. 6



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RAZOR BLADE HOLDER FRAME

John A. Greene, Harrison, Ark.

Application November 30, 1946, Serial No. 713,302

1 Claim. (Cl. 30—41)

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My present invention relates to an improvement in safety razor blade holder frames and more particularly to the type of base frame illustrated herein having a novel construction and arrangement of parts whereby the cutting edges of the razor blade are not supported along their longitudinal length and the cut beard and lather will pass readily thereunder and wherein the razor may be cleaned of such beard and lather by agitation in water or by holding the razor under a stream of water.

By the utilization of the features of my invention wherein the side bars of the base extend parallel to and outside the cutting edges of the blade, spaced thereunder as described above, the cutting edge of the blade will not touch the skin of the shaver unless the razor is held in proper position with the blade at the correct angle. However, the side bars may be spaced directly under the cutting edges of a blade if so desired instead of outside of same.

Another novel feature of my invention is that the frame is open with ample passages to facilitate the ready movement of the cut beard and lather along the inner surface of a blade thus preventing the clogging of the razor.

In the accompanying drawings I have illustrated one complete physical embodiment of my invention according to the best mode I have thus far devised but it will be understood that various changes and alterations may be made in the exemplified structure within the scope of the appended claim.

In the drawings:

Figure 1 is a top plan view of the base frame with a blade indicated.

Figure 2 is a side elevational view thereof in combination with a clamp and handle.

Figure 3 is an end elevational view in combination with a clamp and handle.

Figure 4 is a transverse vertical sectional view at line 4—4 of Figure 2.

Figure 5 is a transverse vertical sectional view at line 5—5 of Figure 2.

Figure 6 is a longitudinal sectional view at line 6—6 of Figure 1 in combination with a clamp and handle.

Referring now to the drawings in detail wherein like characters indicate like parts, I have illustrated the base frame of my invention with particular reference to Figures 1 through 6 as having a base formed with sides 2 and 3, and ends 4 and 5. The upper edges of the ends are illustrated as convex as at 6, but they may be made flat from side bar to side bar, and in either case

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the side members will be cut away or depressed below the terminals of the frame ends making a rest for the corners of the blade so they cannot gouge the face of the shaver and will prevent vibration of the blade, but if it is found practicable the side members may be depressed entirely to the outer ends of the frame thus exposing the blade corners.

A longitudinally extending center bar 14 carries transverse or upright supports 8 extending to and terminating at a vertical line between the top center points of the two base frame ends, and the transverse supports are formed with holes 12 therein.

The clamp 16 is fashioned with an under surface conforming to the upper edge of the end members, in this case convex, and the clamp is provided with depending studs 18 and a bolt 20. The blade 22 of conventional shape and design has openings therein through which the studs pass to engage the holes 12 while the bolt 20 is threadedly engaged in the handle 24.

The elements of the base frame above described are made of plastic or other suitable material, and it will be noted that the spaces between the transverse supports and between the center and side members permit the ready passage therethrough of the cut beard and lather when the blade is drawn across the face. It will also be noted that the side bars 2 and 3 extend outwardly beyond the cutting edges of the blade and the blade is spaced therefrom so that the blade will not touch the skin unless the razor is held at the proper angle for efficient shaving. The cut beard and lather will obviously pass under the blade between it and the side bar, and will collect in the spaces interior of the base, and these collections of lather and beard may be easily washed away.

It is also to be understood that the exemplifications of the drawings and the description thereof are illustrative and are not to be construed as limiting further than the spirit and scope of the following claim.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

In a safety razor of the type employing a removable double edged blade having three openings disposed at its longitudinal axis, a handle, a support carried by the handle, a clamp adapted to cooperate with the support to hold a blade therebetween, said support comprising a substantially rectangular frame having a longitudinally disposed center bar, two oppositely disposed side members having skin engaging surfaces, and

two oppositely disposed end members, the upper face of said end members being convex and the upper face of said side members being depressed relative to the end members, said center bar connecting the end members and having three uprights extending to and terminating at a line connecting the top center points of said end members and being equipped with openings, the clamp having a bolt extending from its center and a stud disposed on each side of said bolt along a longitudinal center line, said bolt and studs to be received by the said uprights of the center bar and the bolt to be screwed into said handle, said end members and said uprights holding the blade in spaced position from said side members when the clamp is assembled thereon, thus forming apertures to collect the material removed during the shaving process within the frame.

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