April 3, 1951 T. E. CRAWFORD 2,547,376

EYEBROW SHAVER

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Fig. 1

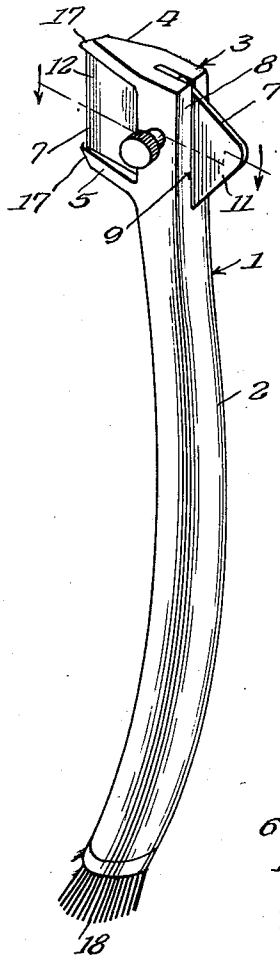


Fig. 2

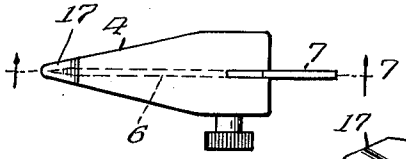


Fig. 3

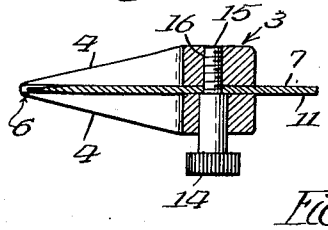


Fig. 4

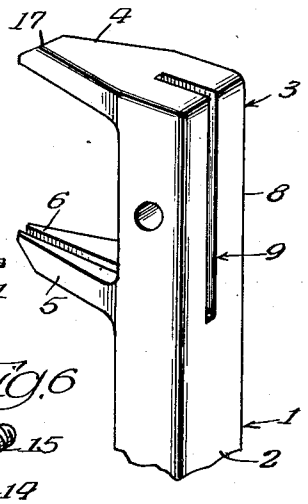


Fig. 6

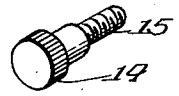


Fig. 7

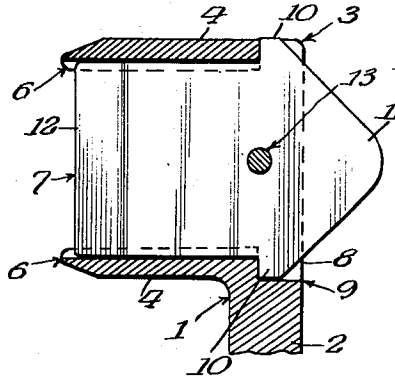


Fig. 5

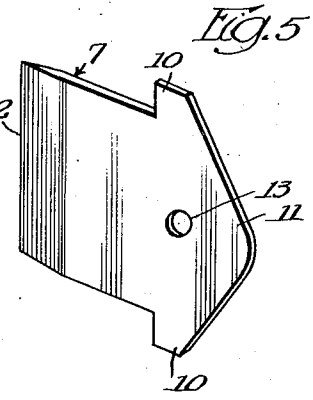
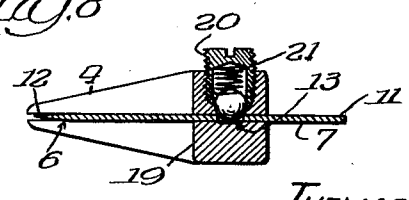


Fig. 8



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EYEBROW SHAVER

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FIG. 9

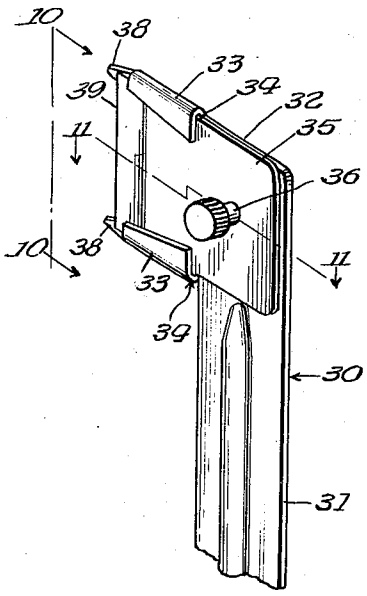


FIG. 10

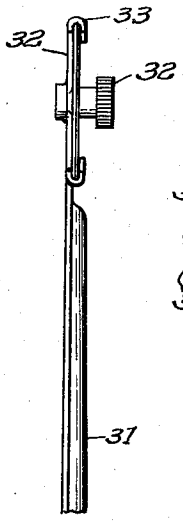


FIG. 11

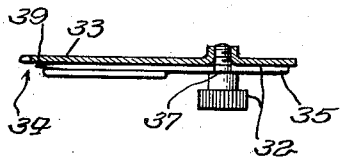


FIG. 12

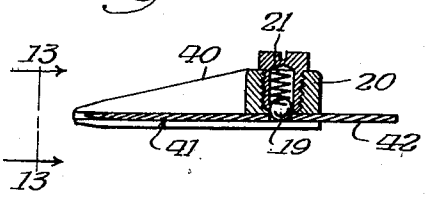


FIG. 13

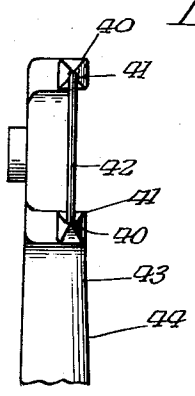


FIG. 14

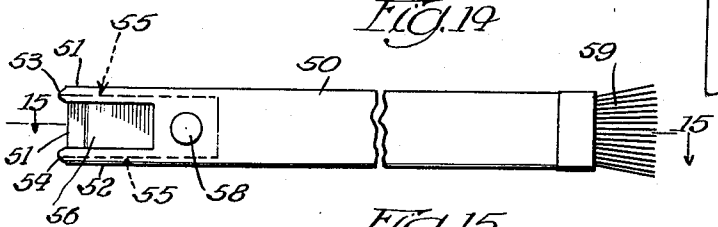
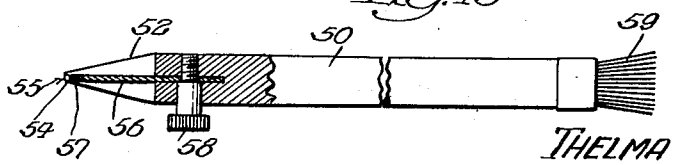


FIG. 15



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UNITED STATES PATENT OFFICE

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EYEBROW SHAVER

Thelma Elrick Crawford, Clayton, Mo.

Application September 10, 1945, Serial No. 615,256

2 Claims. (Cl. 30—33)

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This invention relates to a device which may be used for arching or otherwise forming eyebrows, and its primary object is the provision of a new and improved device including a very narrow blade having a razor-like cutting edge mounted in a supporting guideway and having provisions extending beyond the cutting edge of the blade whereby the device may be manipulated easily and with great accuracy.

Another important object of the invention resides in the provision of a new and improved shaver for shaving eyebrows to trim or arch the same whereby the device may be handled readily without danger of cutting the person upon whom the device is being used.

Still another object of the invention resides in the size, shape, contour, arrangement and positioning of the various parts.

Still another object of the invention is the provision of a new and improved eyebrow shaver for arching or otherwise trimming eyebrows whereby a thin, very short blade is mounted on one end of the supporting handle-like structure, and a brush for removing cut hairs is mounted on the other end of the handle.

Numerous other objects and advantages will be apparent throughout the progress of the following specification.

The accompanying drawings illustrate certain selected embodiments of the invention and the views therein are as follows:

Fig. 1 is a detail perspective view of the improved eyebrow shaver or razor and embodying the invention;

Fig. 2 is a detail top plan view thereof;

Fig. 3 is a detail transverse sectional view on the line 3—3 of Fig. 2;

Fig. 4 is a detail elevational view of the upper end of the razor shown in Fig. 1, the razor blade and the tightening screw being omitted;

Fig. 5 is a detail perspective view of one form of blade which may be used;

Fig. 6 is a detail perspective view of one form of fastening means for securing the razor blade in position;

Fig. 7 is a detail sectional view on the line 7—7 of Fig. 1;

Fig. 8 is a view similar to Fig. 3 but showing a modified form of blade securing device;

Fig. 9 is a detail perspective view of a modified form of eyebrow shaver or razor embodying the invention;

Fig. 10 is a detail elevational view looking in the direction of the arrows 10—10 of Fig. 9;

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Fig. 11 is a detail transverse sectional view on the line 11—11 of Fig. 9;

Fig. 12 is a detail transverse sectional view of a modified form of holder with a modified form of razor securing element;

Fig. 13 is an end view of the modified structure shown in Fig. 12;

Fig. 14 is a side elevational view of another modified form of eyebrow shaver or razor; and

Fig. 15 is a detail longitudinal sectional view on the line 15—15 of Fig. 14.

The particular construction herein shown for the purpose of illustrating the improved eyebrow shaver or razor comprises a suitable supporting frame or structure 1, Figs. 1 to 8, inclusive, having a handle which may be curved, as indicated in Fig. 1, to facilitate ease in handling.

The upper end of the frame or structure 1 terminates in a blade securing portion 3 comprising integral spaced elements or finger members 4 and 5, each of which is provided with a vertical slot 6 to receive and support a blade 7. The part 8 between the members or elements 4 and 5 is relatively narrow as it is desirable to use a blade not to exceed one-half inch long, preferably about one-quarter inch long.

The blade 7 is thin and flat and is adapted to be inserted in position by passing it through a narrow slot 9 formed in the part 8 of the structure. The blade is inserted by slipping the same into the slot 9, and it is guided by the grooves 6, 6 in the members or projections 4 and 5. The slot 9 is longer than the distance between the backs of the grooves 6, 6 so as to accommodate the overhanging ends or projections 10, 10 on the upper end of the blade.

The upper end of the blade may be provided with an outwardly extending elongation 11 which projects a predetermined distance beyond the edge of the structure 1 at the part 3 so as to permit easy and instant removal and application of the blade in position. The inner or cutting end of the blade is provided with a sharp cutting edge 12.

The blade 7 may have an opening 13 at its outer end for the reception of releasable locking or securing means 14, Fig. 6. The securing means may comprise a set screw 14 having a threaded end 15 which threadedly engages a threaded bore 16 provided in the body of the structure 1, preferably transversely, through the part 8, in the manner shown in Fig. 3.

The extremities of the spaced projections or parts 4 and 5 are each reduced to terminate in a pronounced point 17 which extends or projects

a predetermined distance beyond the cutting edge 12 of the blade 7. These sharp pointed or relatively sharp pointed extensions 17 are adapted to press down the skin of the person being operated upon to form furrows, so as to bring the cutting edge 12 of the razor flush with the skin of the eyebrow to be shaped or formed, or cutting away loose or unwanted eyebrow hairs, as the device is swept along the skin to shape or form the eyebrows either at the tops thereof or at the bottoms thereof, as well as the space between the eyebrows above the bridge of the nose.

The cutting edge or operating portion of the blade 7 extends between the projections or fingers 4 and 5 at right angles thereto and is relatively narrow, being preferably one-fourth inch whereby the device may be easily handled and can only come in contact with the epidermis at such point where a straggling or unwanted hair projects. The projections 4 and 5 extend parallel from a side of the structure 1, preferably from the inner side thereof, being shown in the bottom side in Fig. 1, whereby the device may be manipulated with accuracy and ease.

The points 17 at the ends of the projections or fingers 4 and 5 permit free use of the shaver, act as guides and prevent the blade from cutting the skin. As the shaver is drawn over an eyebrow to shape or otherwise trim the same, there is no danger of the person being operated upon being cut.

The lower end of the handle 2 is provided with a brush 18 which may be removably secured to the handle so that any loose hairs which are shaved from an eyebrow may be wiped from the face by merely turning the shaver end for end.

Instead of employing the set screw 14, shown particularly in Fig. 6, a spring pressed ball 19 may be inserted in the body of the structure to engage the hole 13 in the blade 7. The spring pressed ball may consist of a fitting 20 in which the ball 19 is mounted, there being a spring 21 in the fitting 20 to normally urge the ball outwardly, the ball, of course, being restricted from coming out of the fitting 20 by means of the ends of the fitting engaging the ball in the usual conventional manner.

The shaver, disclosed in Figs. 1 to 8, inclusive, may be made of any suitable material, but plastic or similar material is shown specifically in Figs. 1 to 8.

The shaver, disclosed in Figs. 9 to 11, inclusive, is preferably made of metal and includes a main body 30 having a flat metal handle 31. The back 32 of the handle at the upper end comprises the back of the shaver having turned ends 33 projecting inwardly toward each other, as clearly shown in Fig. 9, to provide grooveways 34, 34 into which a cutting blade 35 is slidably mounted.

A set screw 36 is adapted to have threaded engagement with the back 32 and enters a hole 37 formed in the blade 39 for locking the blade in position in the spaced guides 34. The curled portions 33 terminate into sharp pointed flat projections 38 and extend a predetermined distance beyond the cutting edge 39 of the blade 35 for the same reasons advanced with respect to the projections 17, 17 of Figs. 1 to 8, inclusive.

The blade 35, like the blade 7, is relatively short in length, having an operating edge of about one-fourth inch in length. The points 38, 38 are for the same purpose as the points 17, 17 mentioned with respect to Figs. 1 to 8, inclusive.

The structure disclosed in Figs. 9 to 11, inclusive, is adapted to be made readily and economically. The projections 33 are bent from the back 32 and curled over as indicated to provide guides 34, 34 to receive the razor blade 35. The handle 31 may have a removably mounted brush mounted on the opposite end thereof.

The blade 35 fits tightly against the flat surface of the back 32, as clearly shown in Fig. 11, and the cutting edge 39 of the blade 35 is set back a predetermined distance as previously mentioned with respect to the device shown in Figs. 1 to 8, inclusive, so that the eyebrow shaver may be manipulated easily and accurately without cutting the skin of the person upon whom the shaver is being used.

The structure disclosed in Figs. 12 and 13 has the blade mounted on one side similar to the construction shown in Figs. 9 to 11, inclusive, but made of a different material, such as plastic, and, therefore, provides prongs 40, 40 which are thicker than the prongs 33, 33 of Figs. 9 to 11, inclusive, but thinner than the prongs 4 and 5 disclosed in Figs. 1 to 8, inclusive.

The prongs or projections 40 are adapted to be provided with side grooves 41 to receive the blade 42, the blade 42 being held in position by any suitable means, such as by a ball and fitting structure 19—21 shown in Fig. 8. The prongs 40 are preferably made integral with the body part 43 of the eyebrow shaver 44.

It is often desirable that the blade project from the end of the structure instead of from the side as shown in Figures 14 and 15. In these latter figures, the body 50 terminates into spaced prongs 51 and 52 having sharpened projections 53 and 54, respectively. The prongs or fingers 51 and 52 are each provided with an elongated grooveway 55 into which a blade 56 is slidably mounted. The cutting edge 57 of the blade 56 terminates a distance short of the ends of projections 53 and 54 for the reasons previously advanced. The blade 56 may be locked in position in any conventional manner, such as by a set screw 58. A brush 59, for the reasons previously advanced, may be secured detachably to the end of the structure opposite the blade receiving part.

The invention provides an eyebrow shaver which may be manipulated with readiness and accuracy for arching or otherwise trimming eyebrows whereby certain hairs of the eyebrow may be cut without danger of cutting the skin, there being relatively sharp pointed projections extending on opposite sides of the blade and beyond the cutting edge of the blade so that the device may be operated quickly to affect the trimming or arching of the brows, as well as cutting any loose or unruly hairs at or between the eyebrows.

Changes may be made in the form, construction and arrangement of the parts without departing from the spirit of the invention or sacrificing any of the advantages thereof, and the right is hereby reserved to make all such changes as fairly fall within the scope of the following claims.

The invention is hereby claimed as follows:

1. An eyebrow shaver comprising an elongated handle having a pair of spaced fingers extending from one end thereof in parallel relation, said fingers being formed with facing guideways and pointed end projections; a thin, flat blade having parallel side edges slidably engaging the respective guideways and a cutting edge extending between the outer ends of the guideways and disposed a short predetermined distance inwardly of each of said pointed projections whereby the projections may be used for depressing the skin

at opposite ends of the cutting edge; and releasable locking means engaging the handle and the blade for holding the cutting edge in said predetermined relation to the pointed projections.

2. An eyebrow shaver comprising an elongated handle, said handle including an integral pair of spaced fingers extending laterally from one side of the handle in parallel relation, and said fingers being formed with facing guideways and pointed end projections, the ends of said guideways adjacent the handle being open; a thin, flat blade insertable through said open ends of the fingers and having parallel side edges slidably engaging the respective guideways and a cutting edge extending between said pointed projections at right angles to the guideways and disposed a short predetermined distance inwardly of said pointed projections; and releasable locking means engaging the handle and the blade for holding the cutting edge in said predetermined relation to the pointed projections.

THELMA ELRICK CRAWFORD.

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