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2,564,126

HAIR SINGEING TOOL

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Fig. 1.

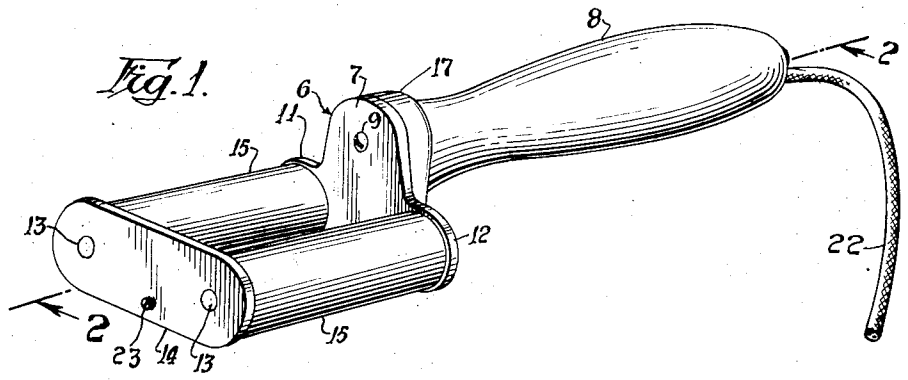
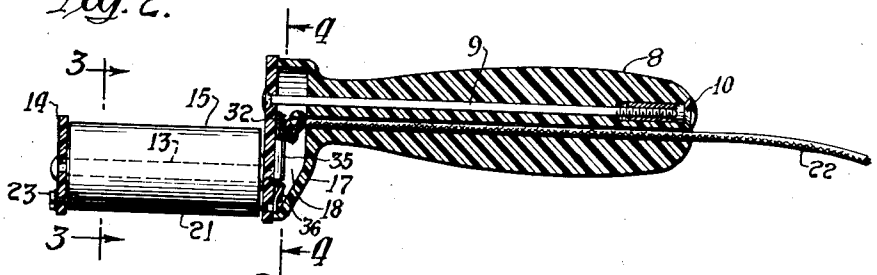


Fig. 2.



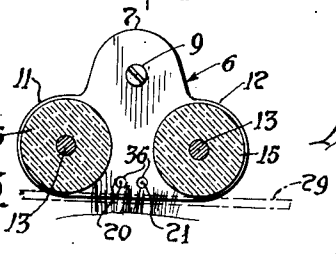


Fig. 3.

Fig. 4.

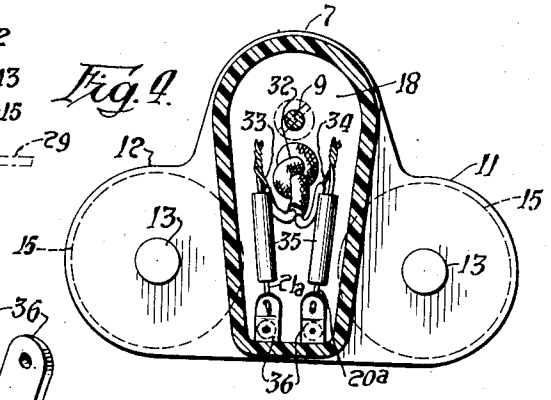
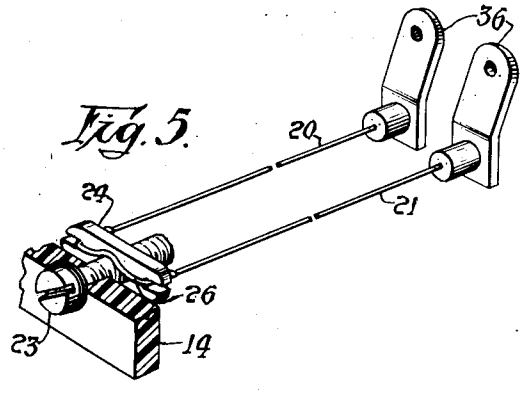


Fig. 5.



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HAIR SINGEING TOOL

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Application July 5, 1950, Serial No. 172,149

6 Claims. (Cl. 219—29)

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My invention relates to improvements in hair singeing tools.

Although research has developed prior art devices which employ the use of an electrically heated hair singeing element adapted to singe hair, yet there remains room for improving such devices as regards a broader scope of use, safety during operation, involvure of an improved combination of elements, simplicity of construction and economy of manufacture, which features it is an object of the present invention to protect.

Also, a novel feature of the invention is to provide a roller guarded hair singeing element so juxtapositioned to the bearded or hairy skin of the subject that as the rollers pass thereover said singeing element does not burn the skin, but efficiently performs its hair singeing function.

A more specific object is to provide, for a hair singeing tool, a new, more satisfactory mode of assembly which includes a handle with an end portion chambered in a novel manner where it is joined to a mounting plate, thus providing a space for more efficiently having certain electrical connections required for conveying current to the singeing element housed therein.

Other objects, advantages and features of invention will hereinafter appear.

Referring to the drawing wherein is shown a preferred embodiment of the invention,

Fig. 1 is a perspective view of a hair singeing tool constructed in accordance with the principles of the present invention.

Fig. 2 is a longitudinal section on substantially the plane of line 2—2 of Fig. 1.

Fig. 3 is a transverse section taken on line 3—3 of Fig. 2.

Fig. 4 is an enlarged transverse view taken on line 4—4 of Fig. 2.

Fig. 5 is an enlarged, fragmentary perspective view illustrating the means whereby the hair singeing element is mounted.

Referring in detail to the drawing, therein is shown a tribolate plate 6, one of the lobes 7 of which has secured to it a handle 8, said handle abutting in an endwise manner against one face of said lobe, a rod 9 extending longitudinally through said handle and serving to secure it to said lobe 7, a screw 10 having a threaded socket being shown to cooperate with said rod 9.

From the opposite face of each of the other two lobes 11 and 12 extends a mounting shaft 13, said shafts being parallel to each other, and their outer ends being connected by means of a tie

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plate 14. Upon each of said shafts 13 is mounted a roller 15 of asbestos or like heat resistant material. Said tribolate plate 6 and tie plate 14 are preferably made of Bakelite, plastic or other similar moldable electrically non-conductive material.

The handle 7 is provided with an expanded inner end portion 17 which is cavitated throughout as indicated at 18. This cavitated end portion of the handle is of a keystone shape (best shown in Fig. 4) and against the outer face of the aforesaid tribolate plate 6, the upper portion of this expanded part of the handle being substantially flush with the contour of the lobe 7 of said plate 6.

A pair of closely parallel, electric hair singeing wires 20 and 21 are provided, said wires being supplied with electric current from a conventional two-conductor cord 22. A screw hole is provided through the lower part of the midlength portion of the aforesaid tie plate 14 to receive a binding post screw bolt 23. Said screw bolt extends threadedly through the midlength portion of an elongated wire mounting clip 24 having slotted end portions through which said wires 20 and 21 extend, said wires being continuous with a sheathed cross run 26 located between said clip and the tie plate 14. Screwing inwardly of the screw bolt 23 into the mounting clip 24 enables the operator to place the wires 20 and 21 under the proper tension.

From Fig. 3 it is to be seen that, when the device is rolled over hair picked up by a comb 29 or the hairy portion of the human body the singeing wires 20 and 21 are maintained close to the comb or skin but slightly out of contact therewith so as not to burn either.

The current for heating the wires 20 and 21 is supplied as aforesaid from the conventional two-conductor cord 22 which extends longitudinally through the handle 8 into the aforesaid cavity or chamber 18 where, after being knotted at 32, its wire elements 33 and 34 are connected in a conventional manner through the medium of the resistor elements 35 with the leads 20*a* and 21*a*, which through binding clips 36, respectively connect electrically with the aforesaid singeing wires 20 and 21.

Describing in further detail the relations of the various parts of the device to each other during their operation, it should be noted that, when the appliance is in an operative position, for example, upon a horizontal positioned surface portion of the human body, the tribolate plate 6 is in an upstanding position with the handle 8 project-

ing right-angularly from the upper part of one face of said plate 6, while the roller carrying shafts 13 extend from lower portions of the opposite face of said plate, that is to say, said shafts are located at a lower level than said handle.

I claim:

1. A hair singeing tool which when in operative position upon a horizontal surface comprises an upstanding plate, an elongated operating handle secured to said plate and projecting from one face thereof, one end of said handle abutting said face and being expanded to a keystone shape and cavitated throughout its expanded portion thus producing a chamber between the handle and plate, a pair of parallel, spaced apart shafts secured to said plate and projecting therefrom at points located in a downwardly spaced relation to the axis of said handle, a tie plate linking together those end portions of said shafts which are farthest from said plate, a roller rotatably mounted upon each of said shafts, an electric hair singeing wire extending from said mounting plate to said tie plate between said rollers and at a level slightly above their lower sides, and electric conducting means in part contained within the aforesaid chamber and in circuit with said wire.

2. The structure set forth in claim 1 and said wire consisting of two parallel runs joined by a cross run, and mounting means for said cross run carried by said tie plate.

3. The structure set forth in claim 1 and said plate being tri-lobed with an upwardly directed central lobe from the central portion of which extends said handle, the lower port of the expanded end of said handle being located midway between the axes of said shafts.

4. A tribolate mounting plate, a handle projecting in one direction from one face of one lobe of said plate, a pair of rollers rotatively mounted on shafts projecting from that face of the other two lobes which is opposite to said handle, an electric hair singeing element secured to said plate between said rollers and extending lengthwise of them in a position to singe hair when said rollers are juxtaposed to a hairy body surface, and an electric supply means connected to said singeing element.

5. The structure set forth in claim 4 and a tie plate connecting those ends of said shafts which are farthest from said tribolate plate.

6. A mounting plate, a handle, means securing said handle right-angularly to one face of said plate, a pair of rotatable rollers, means mounting said rollers upon said plate with their axes extending right-angularly from that face of said plate which is opposite said handle, an electric hair singeing wire carried by said plate and mounting means, said wire being located between said rollers and extending lengthwise of them in a position to singe hair when said rollers are juxtaposed to a hairy body surface, and an electric supply means connected to said hair singeing wire.

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