Sept. 26, 1933. L. M. BAYNHAM 1,928,242

HAIR TRIMMING AND SINGEING DEVICE

Filed April 15, 1931

Fig. 1.

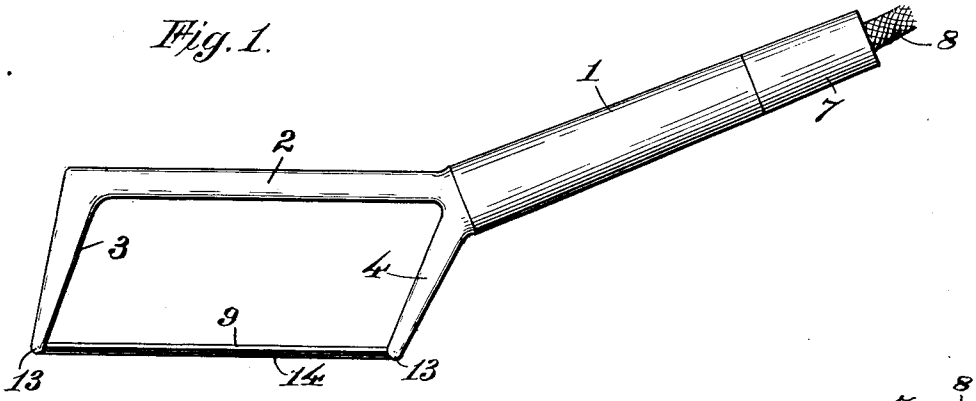


Fig. 2.

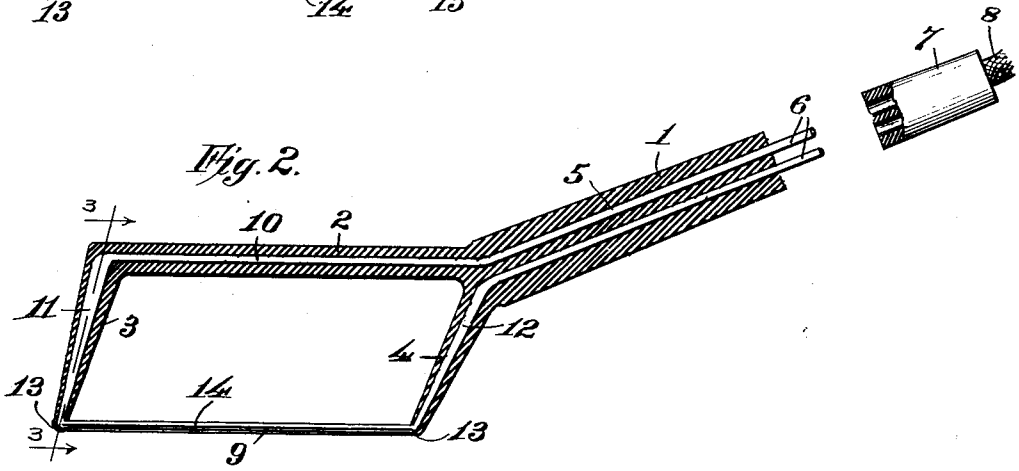
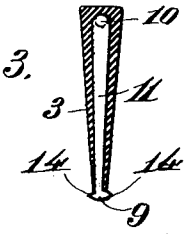


Fig. 3.



Inventor

Uehr M. Baynham

By Joshua R. H. Potts

Attorney

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HAIR TRIMMING AND SINGEING DEVICE

Lehr Marlin Baynham, Mount Carmel, Pa.

Application April 15, 1931. Serial No. 530,409

1 Claim. (Cl. 219—29)

My invention relates to hair trimming devices and particularly to an improved device for simultaneously severing and singeing the hair.

The usual method employed by barbers, when it is desired to singe the hair, is to first trim the hair with shears and afterwards singe the ends of the hair by means of a lighted taper. I am aware that attempts have been made to provide a device for simultaneously severing and singeing the hair, but such devices, so far as I am aware, have various inherent objectionable features which render them more or less objectionable or dangerous in use. Among these objections are their liability to readily get out of order, their liability to cause burns and shocks to either the barber or the patron, or both, their liability to become clogged with hair, and their inability to maintain a substantially uniform heat when used upon light or heavy hair, and various other features.

The object of my invention is to provide a device of simple construction which may be readily used by the barber to simultaneously sever and singe the hair. A further object of my invention is to provide a device as mentioned which may be used to sever the hair at any desired length. A further object of my invention is to provide a device as mentioned of such construction that the same will not become clogged with the severed and singed hair. A further object of my invention is to provide a device of the character mentioned which will maintain the severing and singeing element at a substantially uniform heat, irrespective of the character of the hair being treated, whether it be thin or thick. A further object of my invention is to provide a device of the class under consideration which shall have no detachable parts to become accidentally loosened, which might consequently result in burning or shocking either the barber or patron. A further object of my invention is to provide a device of the class mentioned which shall be of simple construction, which will not readily get out of order and which may be marketed at a comparatively low cost. Other objects will appear hereinafter.

With these objects in view my invention consists generally in a handled frame comprising a back, a pair of laterally extending arms between the ends of which is extended a severing and singeing element, an electric conductor in said frame with said element in series therewith, said element being an integral part of said circuit and the entire circuit being insulated except the severing element. My invention further consists in a device as mentioned in which the conductors adjacent the severing element, that is, within the arms, are enlarged to constitute heat reservoirs, whereby a more uniform temperature of the severing element may be maintained. My invention further consists in a hair severing and singeing device including an electrically heated conductor, constituting the severing and singeing element, said element being laterally tapered to form a longitudinal severing edge to facilitate a rapid and neat trimming of the hair. My invention further consists in various details of construction and arrangements of parts all as will be fully described hereinafter and particularly pointed out in the claim.

My invention will be more readily understood by reference to the accompanying drawing forming a part of this specification and in which—

Figure 1 is a side elevation of a hair trimming and singeing device embodying my invention.

Figure 2 is a longitudinal section through the same, and

Figure 3 is a transverse section on substantially the line 3—3 of Fig. 2.

Referring now to the drawing, 1 indicates the handle of the device, which is substantially integral with the supporting frame, said frame comprising a back 2 and a pair of substantially parallel arms 3 and 4. The handle and frame are preferably formed integrally and of insulating material. Within the handle and frame is a conductor 5 having terminals 6 at the end of the handle to be engaged by the usual socket connection 7 on a cord 8 through which an electric current is supplied to the device. Extending from the end of the arm 3 to the end of the arm 4 is the hair severing and singeing element 9, which is preferably formed integrally with and in series with the conductor 5. The conductor 5 extends from one of the terminals 6 longitudinally through the handle portion 1, through the back portion 2 as at 10, longitudinally through the arm 3 as at 11, to the end of the arm where it is continued to the severing element 9, thence to the arm 4, longitudinally through the arm 4 as at 12 and then through the handle 1 to the opposite terminal 6. It should be noted that the insulating material of which the body of the device is formed is continued, as at the ends of the arms, so as to cover the ends of the member 9 where they join the conductor portions 11 and 12, as indicated at 13. By this arrangement it is obvious that no portion of the conductor except that which is used for severing and singeing hair is in any manner exposed, and therefore that the danger of burning or shocking the patron or the barber is eliminated.

The member 9 is preferably laterally tapered, as shown in Fig. 3, forming hair severing edges 14 which extend longitudinally of the member 9 from end to end thereof. With the hot severing element formed in this manner, quicker and neater work can be accomplished by the barber.

It should be noted that the severing element 9 is free from any elements adjacent thereto, so that there is no possibility of the device becoming clogged with the severed and singed hair.

In using the device it is sometimes employed in trimming the lighter portions of the hair and again for trimming those portions which are dense and heavy. In order to maintain a substantially uniform temperature of the cutting element, I enlarge the portions 11 and 12 of the conductors to increase their mass and thereby to constitute heat reservoirs, the heat being conducted thereto from the element 9 when the device is working in the lighter portions of the hair; and the stored heat is conducted therefrom to the member 9 when working in the denser portion of the hair.

With the device as above described it is obvious that the barber may neatly and quickly trim the hair of a patron and at the same time singe each severed hair. The attenuated edges 14 of the member 9 materially aid in the neatness and rapidity of the work. By providing the heat storage reservoirs 11 and 12, the member 9 is maintained at a more uniform temperature while working on the various portions of the hair. The severing element 9 is remote from any parts of the device except the extreme ends 3 and 4 so that there is no chance for any hair to become clogged in the device. All conducting parts of the device, with the exception of the severing element 9, are completely covered and insulated, so that there is no chance of shock or burning by coming in contact with the handle or frame. The member 9 is integral with the other portions of the conductor so that there is no chance of it becoming loosened or detached with consequent burning or shocking the barber or patron. By having the singeing element remote from the other portions of the device the hair may be severed at any desired length and not merely trimmed at the ends. Furthermore, the device is of neat appearance, light and easy to manipulate and will not readily get out of order.

It is obvious that the cross section of the element 9 may be of any desired form; that is, round or tapered to form one or two severing edges 14, and that the edge or edges may be faced in any desired direction. The barber shop should be equipped with devices having the different forms, which devices can be quickly interchanged by means of the separable connection 6—7. Also, a suitable fixed resistance or a rheostat can be interposed in the circuit; but as this is an old and well known feature, it is not illustrated or claimed.

I claim:

A device of the class described comprising a handled frame having a pair of laterally extending arms, a severing and singeing element supported between the ends of said arms and comprising a single straight conducting element supported only at the ends and laterally tapered to form a longitudinal severing edge, an electric conductor in said frame with said severing and singeing element in series therewith, all portions of said conductor except said element being insulated, substantially as described.

LEHR MARLIN BAYNHAM.