

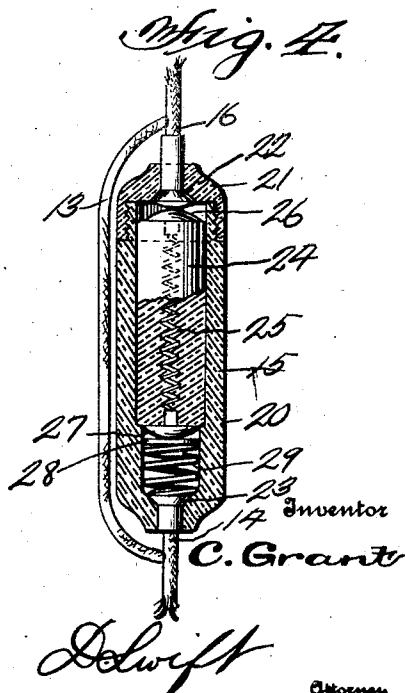
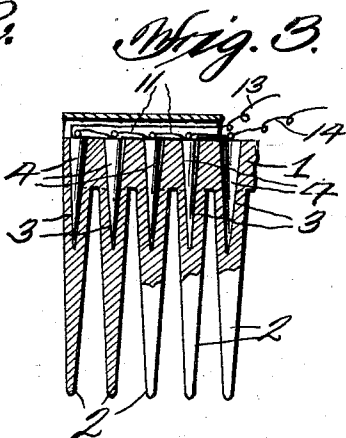
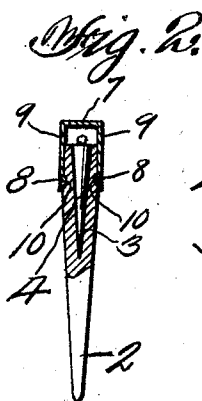
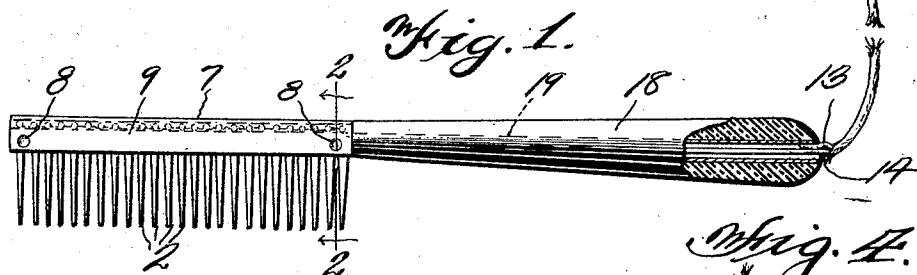
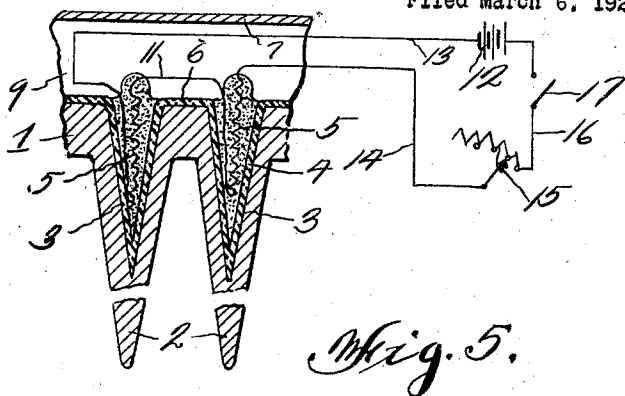
May 5, 1925.

C. GRANT

1,536,669

HEATED COMB

Filed March 6, 1923



By

Delwift

Attorney

UNITED STATES PATENT OFFICE.

CLARA GRANT, OF ST. LOUIS, MISSOURI.

HEATED COMB.

Application filed March 6, 1923. Serial No. 623,197.

To all whom it may concern:

Be it known that I, CLARA GRANT, a citizen of the United States, residing at St. Louis, in the county of St. Louis, State of Missouri, have invented a new and useful Heated Comb; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to electrically heated combs and has for its object to provide a device of this character particularly adapted for straightening the hair.

A further object is to provide a comb, the teeth of which have disposed therein resistances, which when current passes through the same, heats the teeth, thereby allowing heat to be applied to the hair as the comb is run through the hair, and consequently straightening the hair.

A further object is to provide a U-shaped spring channel member for arching the back of a comb and housing the ends of the resistance coils and wires of the comb.

A further object is to provide rheostat means whereby the amount of current passing to the resistances may be controlled.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawing, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawing:—

Figure 1 is a side elevation of the comb partly broken away to show the handle structure.

Figure 2 is a vertical transverse sectional view taken on line 2—2 of Figure 1.

Figure 3 is a vertical longitudinal sectional view through a portion of the comb.

Figure 4 is a vertical transverse sectional view through one of the rheostat plugs.

Figure 5 is an enlarged detail sectional view through a portion of the comb showing the resistances in section.

Referring to the drawing, the numeral 1 designates the body of the comb and 2 integral teeth carried thereby, which are adapted to be passed through the hair during a hair straightening operation. Disposed within conically shaped recesses 3

which extend through the body 1 of the comb and into the teeth are conically shaped members 4 in which resistance coils 5 are disposed. The conically shaped members are connected together by members 6, which rest on the back of the body 1 of the comb, therefore all of the resistance members may be formed in a single unit and placed within the recesses 3. To protect the ends of the resistances, a U-shaped member 7 is provided, which arches the back of the body 1 and has its flanges provided with inwardly extending lugs 8, which when the flanges 9 of the channel member 7 are forced apart and the channel member forced onto the body 1, said lugs 8 are received in recesses 10 of the body member 1 and hold the channel member 7 against displacement. The resistances 5 are connected together by means of wires 11 and are in circuit with the battery 12 through the wires 13 and 14. However the wire 14 is connected to a rheostat 15, which is shown in a conventional form in Figure 5, said rheostat being in turn in circuit with the battery 12 through the wire 16 and switch 17. It will be seen that when the switch 17 is closed, the resistance coils 5 will be heated and consequently the teeth 2 of the comb will also be heated according to the position of the rheostat 15. Therefore it will be seen that the amount of heat imparted to the teeth 2 may be regulated, and the teeth maintained heated during the hair combing operation, thereby straightening the hair and taking the curl out of the hair. The body member 1 is provided with a handle 18 adapted to be grasped by the operator while using the comb, however it is provided with an aperture 19 extending therethrough and through which the wires 13 and 14 pass. The rheostat 15 is formed from a cylindrical casing 20 having a cap 21 threaded thereon. The cap 21 is pivotally mounted on a contact member 22 and the cylindrical member 20 is pivotally mounted on a contact member 23 carried by the wire 14, however the contact members are in axial alignment with each other. Disposed within the cylindrical member 20 is a removable plug 24, which plug has a rheostat coil 25 imbedded therein, the rheostat being gaged according to the voltage of the source of supply of current to properly heat the comb, however it is to be understood that various sizes of coils 25 may be used in plugs according to the

voltage. The ends of the coil 12 are connected to contact members 26 and 27. The contact member 27 engages a disc 28, which is normally forced upwardly by a conductor spring 29, which conductor spring contacts with the conductor member 23, however it forces the rheostat plug 24 upwardly and maintains the contact members 22 and 26 in engagement with each other. It will be seen that when it is desired to remove the rheostat plug 24 that it will only be necessary to unscrew the cap 21, at which time the plug can be easily removed.

From the above it will be seen that an electrically heated comb is provided, which is particularly adapted for straightening hair, and one wherein means is provided for regulating the amount of heat within the teeth of the comb, thereby obviating danger of burning the hair during a hair straightening operation.

The invention having been set forth what is claimed as new and useful is:—

A hair straightening comb having teeth, hollow conically shaped members disposed in conically shaped recesses of the teeth, said hollow conically shaped members being connected together at their outer ends and held spaced and against movement in relation to each other, resistance coils permanently fixed in said conically shaped members, a U-shaped member detachably connected to the comb and arching the rear side thereof and housing the outer ends of the conically shaped members, said U-shaped member also forming a housing for conductor wires.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CLARA ^{her} × GRANT.
_{mark}

Witness—R. N. OWENS.

Witnesses:

CHAS. GRANT,
WALTER GADDISH.