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I. ALLEN & G. HANLON.

HAIR DRIER.

APPLICATION FILED JUNE 12, 1906.

FIG. 1.

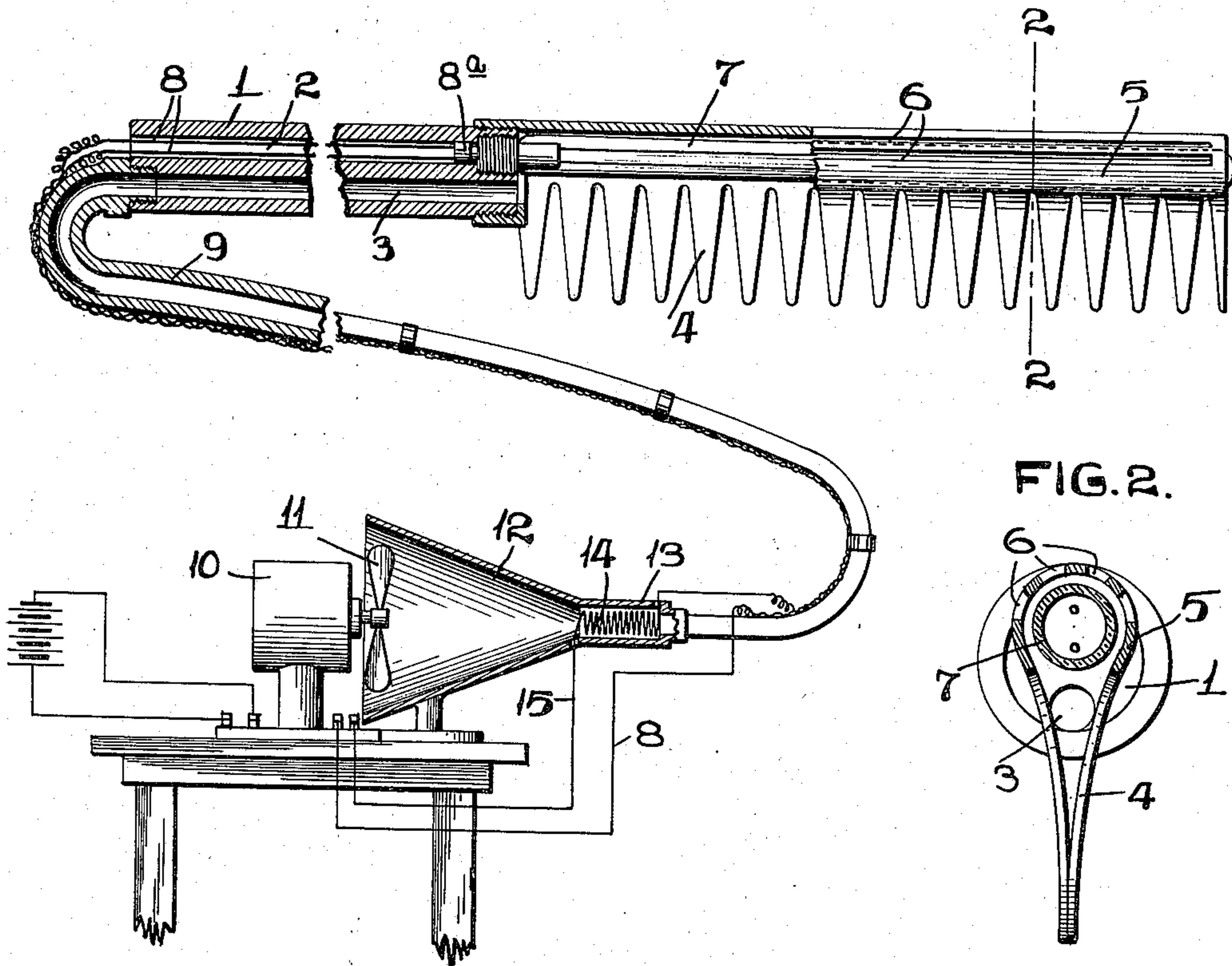
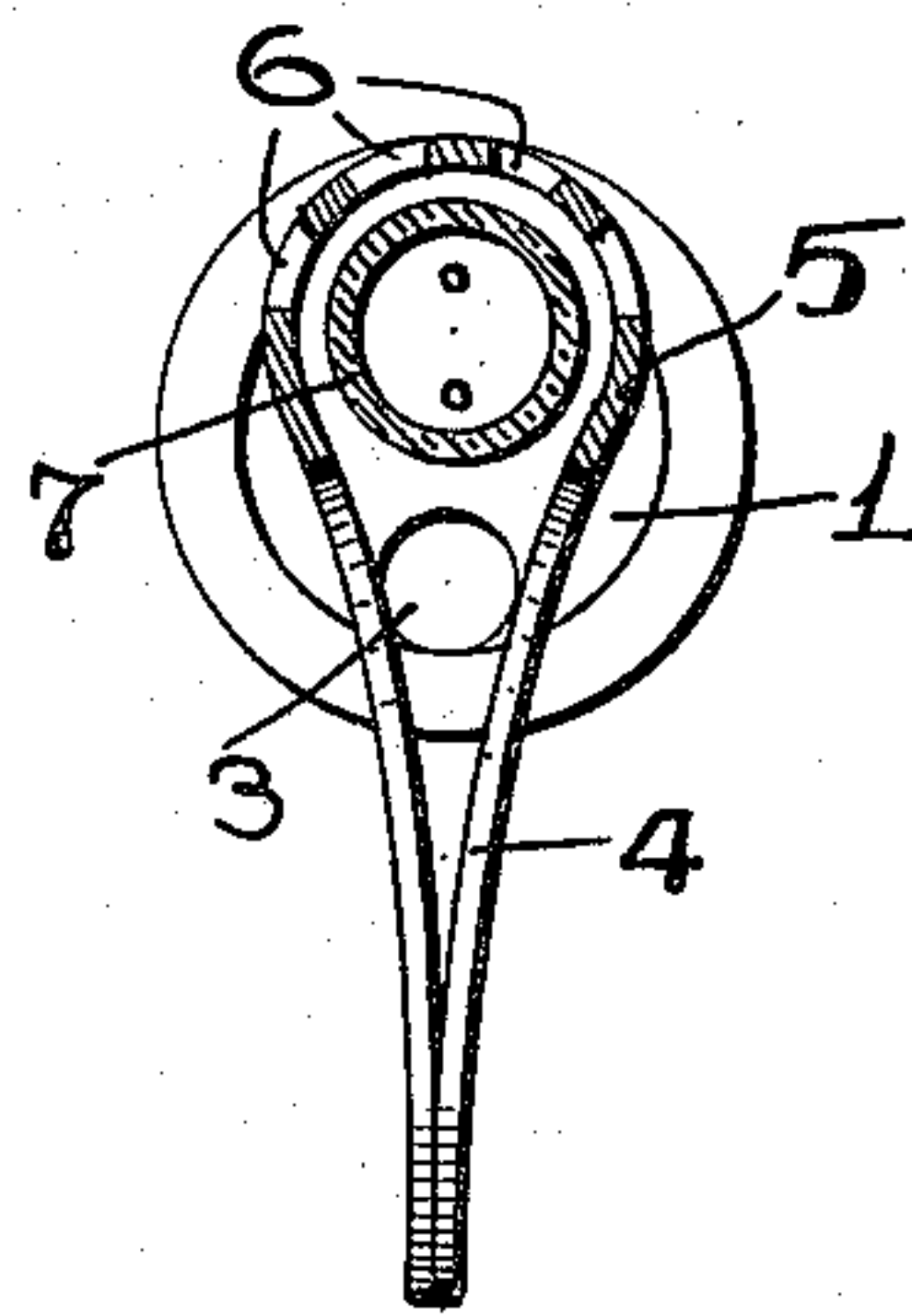


FIG. 2.



ATTEST.
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HAIR-DRIER.

No. 847,872.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, ISABELL ALLEN and GEORGE HANLON, both citizens of the United States, and residents of Kansas City, Jackson county, Missouri, and Shawneetown, Gallatin county, Illinois, respectively, have invented certain new and useful Improvements in Hair-Driers, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

Our invention relates to a hair-drier; and the object of our invention is to construct a simple and inexpensive device which is particularly adapted for use in hair-dressing parlors and by means of which the hair is quickly and thoroughly dried after washing.

Our invention consists in a coarse-toothed comb which is partially heated by an electric-light bulb of peculiar shape arranged in the back of the comb and means whereby air is discharged through the teeth of the comb, which air has been suitably heated before being delivered to the comb.

Our invention further consists in certain novel features of construction and arrangement of parts, which will be hereinafter more fully set forth, pointed out in the claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of our complete device with the comb thereof shown enlarged and in vertical section. Fig. 2 is an enlarged cross-section taken on the line 2 2 of Fig. 1.

Referring by numerals to the accompanying drawings, 1 designates a handle, through the upper portion of which is formed a longitudinally-extending passage 2 and through the lower portion of which is formed a larger passage 3.

Detachably positioned on one end of the handle 1 is a comb 4, preferably constructed of suitable sheet metal bent double, so as to form the cylindrical back 5, which is provided with longitudinally-extending slots 6, and the teeth of the comb being formed in the extended edges of the sheet of material.

Positioned in the cylindrical back 5 is an elongated electric-light bulb 7, which is detachably seated in the end of the handle 1 in

alignment with the passage 2 therethrough, and leading through this passage 2 are suitable wires 8, which lead to a plug 8^a in the handle 1, against which the base of the electric-light bulb normally engages.

Leading from the rear end of the handle 1 and from the passage 3 is a flexible tube 9, and said tube, together with the wires 8, may be extended any distance from the comb, and, if desired, said wires and flexible tube may be united in any suitable manner in order that they will move together and not become entangled while being shifted about.

10 designates an electric motor, such as is usually employed in operating a small electric fan 11, and arranged in front of the fan is a cone 12, which terminates in a discharge-nozzle 13, in which is located a suitable electric heating-coil 14, to which leads one of the wires or conductors 8. A suitable conductor 15 leads from the opposite end of this coil to one of the binding-posts of the motor 10, and the opposite conductor 8 leads to the opposite one of these binding-posts.

When our improved device is in use, a current of the proper strength is sent through the motor 10, and as a result the fan 11 is driven and air is forced through the cone 11 and through the nozzle 13, in which the heating-coil 14 is located. Thus said air will be heated to a certain degree and will pass through the flexible tube 9 and will pass from thence through the passage 3 in the handle 1 and discharge therefrom into the space between the teeth of the comb 4. The current after passing through the motor 10 and heating-coil 14 will travel through the conductors 8 to the plug 8^a, and as the contact-plate on the rear end of the bulb 7 is in contact with this plug 8^a the carbon filament within said bulb will become incandescent, thus generating light and a certain amount of heat. The comb is now engaged by the handle 1, and the teeth of said comb are drawn through the hair, and as a result said hair is very thoroughly dried, owing to the heat generated by the filament within the bulb 7 and the heated air which discharges through the teeth of the comb from the passage 7.

A device of our improved construction is

simple, inexpensive, easily operated, and by its manipulation hair may be very thoroughly and quickly dried.

We claim—

- 5 A hair-drier, constructed with a tubular handle, a hollow back comb detachably arranged on one end of the handle, an elongated electric-light bulb extending through the hollow back of the comb, electrical connections extending through the handle to the
10 electric-light bulb, an air-conveying tube extending to the handle, a cone to which the end of the flexible tube is connected, a heat-

ing device arranged in the end of the cone, and a fan arranged in the front of the comb 15 for forcing air therethrough; substantially as specified.

In testimony whereof we have signed our names to this specification in presence of two subscribing witnesses.

ISABELL ALLEN.
GEORGE HANLON.

Witnesses:

M. P. SMITH,
E. E. LONGAN.