

March 25, 1930.

R. BISHINGER
HAIR DRYING DEVICE
Filed March 1, 1928

1,751,573

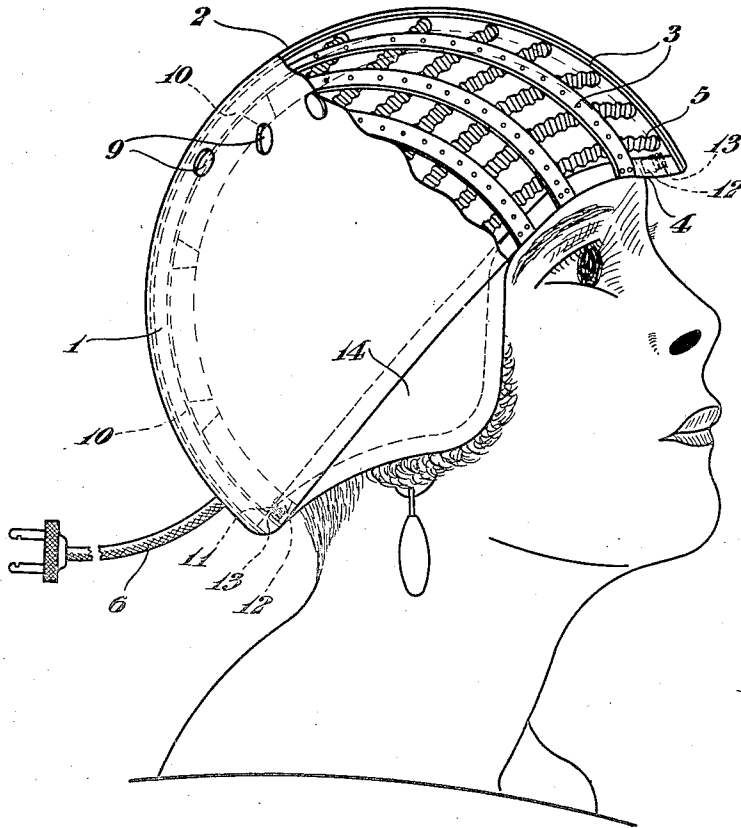


Fig. 1

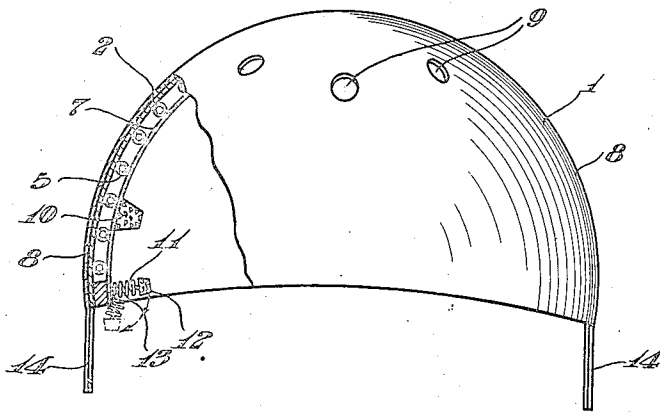


Fig. 2

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HAIR-DRYING DEVICE

Application filed March 1, 1922. Serial No. 253,154.

My invention relates to hair-drying devices and particularly to such devices as employ electrical heating means.

An object of my invention is to provide a hair-drying device by means of which heat may be uniformly applied and the hair ventilated during the drying operation without its being disarranged by air currents.

A further object of my invention is to provide a hair-drying device of convenient shape and size that may be easily and quickly adjusted to and removed from operative position.

The hair-drying devices in use heretofore have been principally of the type which comprises a fan or other means for applying a blast of heated air to the hair and which is usually of such force as to disarrange it. In case the hair had been curled or waved as, for example, to produce what is known as "water waves," the effect is lost if the hair is disturbed in the drying operation.

In accordance with the present invention, I provide a device for uniformly applying heat to the hair. While ample ventilation is permitted to carry away the vapors of the evaporated moisture, the movement of the air adjacent the head is only such as is caused by convection and accordingly the position of the hair and its arrangement are not disturbed.

In the accompanying drawing,

Figure 1 is a side elevational view of the hair-drying device of my invention as it appears in operation, parts being broken away; and

Fig. 2 is a view, partially in front elevation and partially in section, of the device of Fig. 1.

A hair drier 1 which is of somewhat helmet shape, comprises a frame 2 consisting preferably of non-metallic strips or ribs 3 that extend substantially radially from a central portion and are connected at their outer ends by a band 4. The ribs 3 and band 4 may be of fibre, for example, or of any other suitable material that is a non-conductor of electricity and is somewhat flexible.

Inside the frame 2 and secured to the ribs

3 is an electrical heating element 5 that is wound spirally and is provided with an external cord 6 by means of which it may be connected to an electrical circuit. The heating element 5 is preferably of asbestos covered resistance wire of the usual type.

The interior of the device 1 is enclosed by a suitable fabric covering 7 that is similar in character and texture to the coverings of electrical heating pads and the like. Such protective coverings are electrically insulating and are non-combustible at operating temperatures. A similar outer covering 8 encloses the frame 2. The covers 7 and 8 have corresponding ventilating openings 9.

The front, back and sides of the drier 1 are provided with spacing members 10, preferably of cork, which maintain a suitable space between the head of the wearer and the interior of the drier. This space serves not only to protect the hair from any local overheating but to insure circulation of air for the removal of moisture and thus facilitate the drying of the hair.

Around the bottom edge of the drier are spacers 11 which comprise cork tips 12 that are mounted on light coil springs 13. These spacers 11 constitute yielding means for retaining the drier in position and that are adapted to compensate for variations in the sizes of the heads of the wearers.

When the drier is placed in position for use, the spacers 11 are held outward by the hands of the operator in approximately the position indicated by dotted lines, Fig. 2. They are then adjusted into their normal positions to yieldingly retain the drier on the head regardless of its shape or size. Flaps 14 cover and protect the ears of the wearer and assist in drying the hair adjacent the ears.

The drier applies a uniform temperature to the hair without any movement of the air within the drier except that caused by convection. The maximum temperature may be controlled if desired by a thermostatic regulator (not shown) of usual type. The hair dries quickly and uniformly without any disturbance of its arrangement.

To remove the drier, the spacers 11 are

bent outwardly and the drier is simply lifted from the head. The drier is applied and removed easily and conveniently. Its use will insure substantially perfect results from an operation that has heretofore been most unsatisfactory.

In case it is so desired, I may substitute for the ribs 3 one or more layers of fabric known as buckram. This material when treated with varnish will tend to retain any form to which it has been previously shaped and it constitutes a very suitable material for a light flexible frame. It is extensively used in the millinery art.

When buckram or other suitable fabric is employed, the heating element may be stitched to a layer of it and, if desired, another layer of buckram placed over the heating element.

The foregoing and other advantages will be obvious to those skilled in the hair-dressing art. My invention is not limited to the embodiments shown and described herein except as set forth in the claims.

I claim as my invention:

1. A hair drying device comprising an electric frame conforming approximately to the head of the wearer, a heating element secured to the interior of said frame and means for spacing said frame and said element from the head.

2. A hair drying device comprising a frame of approximately helmet shape, electric heating means secured thereto, means for at least partially enclosing said frame and said heating means and means for spacing said frame from the head of the wearer.

3. A hair drying device comprising a head-piece that is provided with members for spacing the interior surface from the head of the wearer, said head-piece having a frame and a heating element secured to said frame.

4. A hair drying device comprising a flexible frame of approximately helmet shape, a heating element secured to the interior of said frame, means for enclosing said frame and said heating element but permitting ventilation therethrough and means for spacing said frame from the head of the wearer.

5. A hair drying device comprising a frame of flexible members, an outer covering therefor, heating means within said frame, an inner covering for said heating means and spacing devices for maintaining a passageway within said device when upon the head of the wearer, said coverings being provided with ventilating openings.

6. A hair drier having substantially the contour of a portion of the head of a person and comprising means for spacing its interior surface from the head of the wearer, said spacing means comprising yielding members adapted to occupy positions corresponding to the size or shape of the wearer's head.

7. A hair drier comprising a body portion

having substantially the contour of a portion of the head of a person and comprising spacing means for yieldingly engaging the head of the wearer to hold it in position and for spacing said body portion from the head.

8. A hair drying device of approximately helmet shape having a flexible frame conforming approximately to the head of the wearer and having also a cover for said frame with ventilating openings therein and an electric heating element in the interior thereof and conforming to said frame.

In testimony whereof, I have hereunto subscribed my name this 28th day of February, 1928.

ROBERT BISHINGER.

CERTIFICATE OF CORRECTION.**Patent No. 1,751,573.****Granted March 25, 1930, to****ROBERT BISHINGER.**

It is hereby certified that error appears in the printed specification of the above numbered patent requiring correction as follows: Page 2, lines 26 and 27, strike out the words "an electric" and insert the article "a", and line 28, for "a heating element" read "an electric heating element"; and that the said Letters Patent should be read with these corrections therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 15th day of April, A. D. 1930.

(Seal)

M. J. Moore,
Acting Commissioner of Patents.

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