

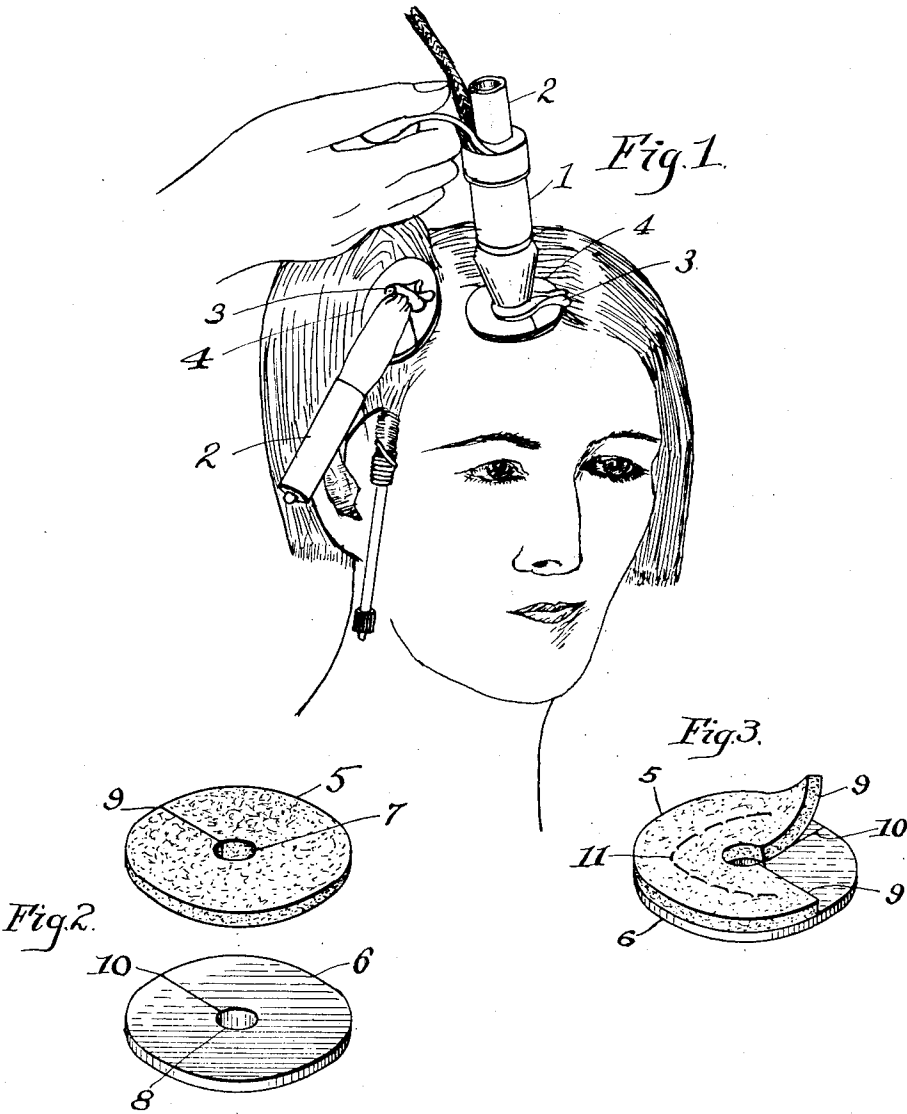
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PROTECTIVE DEVICE FOR USE IN HAIR WAVING

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UNITED STATES PATENT OFFICE.

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PROTECTIVE DEVICE FOR USE IN HAIR WAVING.

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My invention relates to what is known at the present day as the art of "permanent hair waving" in which electric or other forms of heaters are employed to apply heat to locks of hair wound upon small rods, over which is applied various hair treating compounds or lotions containing liquids which are evaporated by the heat. Such compounds are usually applied through the use of small pads or sachets which are moistened with water or other liquids and which are wrapped around the hair upon the curling rod and over which the heating element is placed, a tube or protective covering usually being inserted between the sachet and the heating element.

During the process the heat causes the liquid to evaporate causing vapors which, if too abundant on account of a larger amount of the liquid being used than is necessary, may issue from the base of the curling devices and come into contact with the scalp of the person being treated, causing pain and sometimes slight burns.

Heretofore, it has been customary to insert between the scalp and the curling tube a pad or pads of heat insulating or absorbing materials which prevent the vapors or a surplus of hot liquid coming into contact with the scalp.

The object therefore of my invention is to produce a new and improved form of protective and insulating device, which when placed in position will not easily or accidentally be displaced and one which can be manufactured cheaply and rapidly.

A further object of my invention is to produce a protective device which can be more easily manipulated and placed in position, thus saving time and handling during the process of permanent waving.

With these and other objects in view I have invented the protective devices of which the following specification taken in connection with the accompanying drawing will indicate the essential features.

In the drawings Fig. 1 indicates the head of a person to a lock of whose hair a heater has been applied and whose scalp is protected by one of my improved protectors;

Fig. 2 is a perspective view of two separated parts of my improved device; and

Fig. 3 is a similar view of said parts connected together.

Referring to the drawing the numeral 1 indicates an electric heater of any preferred form now commonly used in the art. Within

the heater is a tube 2 which is placed over the moistened pad enclosing the hair which is wound upon the curling rod. In order to hold the pad and curler firmly in position, a spring clip 3 is usually applied at the base of the tube and between the clip and the scalp the protector 4 is placed.

The protector preferably comprises two different materials, a part 5 (Fig. 2) which is preferably of absorbent material such as felt or fabric and a non-absorbent or waterproof part 6. These are made in the form of annuli or disks having central openings or holes 7 and 8 from which extend radial slits 9 and 10, the edges of which can be separated when the parts are being placed in position about the hair. When the disks are used separately, particularly when moistened, there is tendency of their edges to separate, thus permitting them to be easily displaced or to fall from the position in which they have been placed.

To overcome this objection, I have found that by attaching the two disks together so that the slits are at a substantial angle to each other as indicated in Fig. 3, an interlocking of the two parts about the hair is produced so that it is practically impossible to displace the protector without intentionally separating the margins of both parts simultaneously. The respective slits or cuts 9 and 10 are arranged so that they preferably form an angle of from 60° to 90° with each other.

The upper disk 5 is indicated as being cut from felt while the lower disk 6 is cut from vulcanized soft rubber. These may be attached together by stitching, as indicated at 11, or other suitable means such as cement or by an adhesive which will not be affected by the moisture or the liquid being used. The attaching or uniting means need extend over a portion only of the surfaces of the two disks, that is preferably over a sector equal to a little more than half of their circumferential areas.

Having described these forms of my invention what I claim and desire to protect by Letters Patent is:

1. A protective device for the purpose described comprising, a disc of fibrous heat insulating material having a central opening, a similar disc of flexible waterproof material, said discs having radial slits at an angle to each other, and means concentrically located on said discs for fastening the same together

so that the margins of said discs and the material between said slits may be separated without displacing the relative positions of said discs.

2. A protective device for the purpose described comprising, a felt disc, an india rubber disc, each of said discs having a central opening and a slit connecting said opening with the outer edge of the disc, said slits be-

ing at an angle to each other, and stitches for fastening said discs together concentrically opposite said slits so that the margins of said discs and the sectors of said disc between said slits may be separated without displacing the relative positions of said discs.

Signed at New York, N. Y., this 15th day of July, 1926.

HAROLD MATTERS.