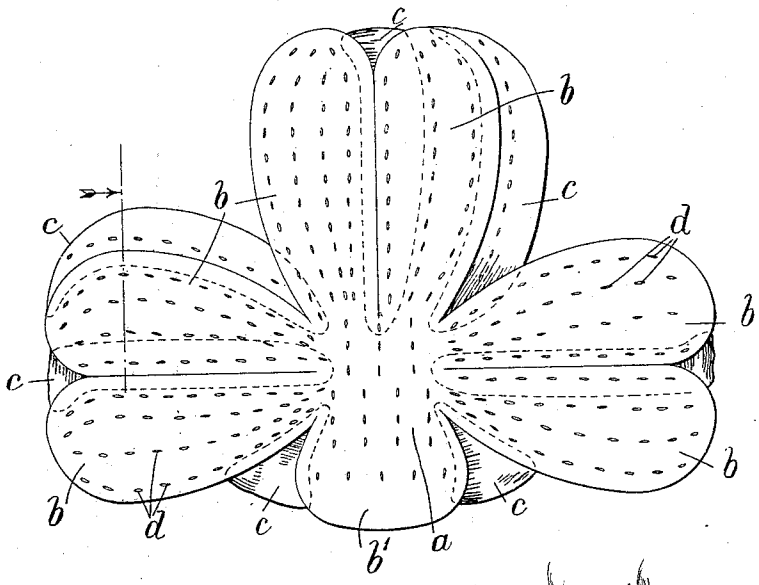
April 12, 1932. L. M. BUTCHER 1,853,114

PROTECTOR OR COVERING FOR THE HEAD OF A PERSON FOR USE IN THE PROCESS OF PERMANENT HAIR WAVING

Filed Feb. 20, 1931

Fig. 1.



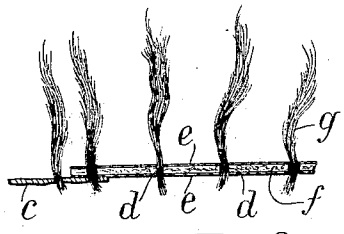


Fig. 3.

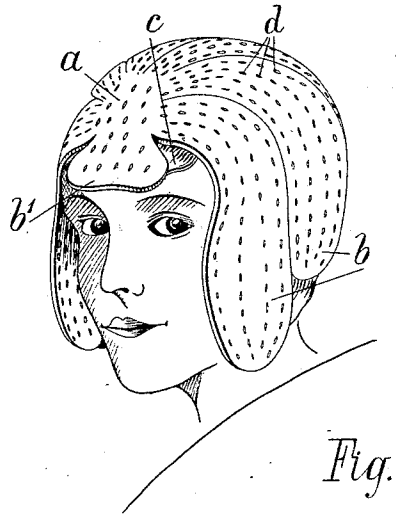


Fig. 2.

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UNITED STATES PATENT OFFICE

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PROTECTOR OR COVERING FOR THE HEAD OF A PERSON FOR USE IN THE PROCESS OF PERMANENT HAIR WAVING

Application filed February 20, 1931, Serial No. 517,322, and in Great Britain September 22, 1930.

This invention relates to a device for use in the process of permanent hair waving and has for its object to prevent the head from being burned as by the hot fluid used in such processes coming into contact with the scalp of the person.

To this end the invention consists essentially in a device for protecting the head of a person during the process of permanent hair waving comprising a resilient covering for the head having slits therein through which the bunches of hair can pass for the required operation thereupon, the walls of the said slits closing upon the hair to prevent passage of fluid into the protecting device.

The device is formed or shaped so as to fit the head of a person, it being formed in one particular embodiment with a main part which, when the device is in use, is adapted to lie upon and cover the top portion of the scalp and with a series of flaps or extensions of the main part which are adapted to lie around and cover the sides and back of the scalp and also the forehead.

The device may be formed from asbestos or other heat-insulating material with a rubber or other suitable covering applied to the surfaces thereof.

If the device is formed with flaps as above referred to it is desirable to provide other flaps which may be of rubber and which are affixed to the lateral edges of the flaps and upon the under surface thereof so that when in use these flaps seal the join between the flaps to which they are affixed and thus effect with the latter a continuous cover for the head of the person.

The invention will now be described with reference to the accompanying drawings which illustrate one particular embodiment of the invention by way of example and in which:—

Figure 1 is a view of the device opened out flat;

Figure 2 is a view illustrating the device in operative position, and

Figure 3 is a cross section of one of the flaps with its respective under flap or seal for the join between adjacent flaps.

Referring to the accompanying drawings, the head covering or protector according to the invention comprises a main part *a* and flaps or extensions *b*, the said main part being adapted when the device is in use to lie upon and cover the top of the head while the said flaps *b* are adapted to lie around and to cover the sides and back of the scalp of the person. The device is also formed with a flap *b'* which is adapted to lie over and cover the forehead of the person, the operative positions of the parts of the device being clearly shown in Figure 2.

Other flaps *c* are provided and secured, in the case of the flaps *b*, to one of the side edge portions thereof and, in the case of the flap *b'*, to both side edge portions thereof or, alternatively, these latter two flaps may be affixed to the adjacent edge portions of the adjacent flaps *b*.

The flaps may be formed from rubber or other suitable material and are affixed to the under sides of the respective flaps *b*, *b'* and the purpose of the flaps *c* is to effect a seal between adjacent flaps *b* and *b*, *b'* when the device is in operative position, said flaps *c* serving to effect a seal between the edges of adjacent flaps *b* and *b*, *b'* in the case of the front series of flaps so that in effect the complet series of flaps, including the said flaps *c* and, of course, the main part *a*, serve to form a continuous covering for the head while, at the same time, the arrangement of flaps has this advantage that it enables a portion of the head of a person to be dealt with at a time for the purpose of threading the hair through the device prior to the waving process, the device and in particular the flaps being formed from some flexible material which affords the necessary amount of flexibility to facilitate manipulation of the bunches of hair for this purpose.

As is shown in the drawings, the flaps and also the main part of the device are formed with slits *d* through which the hot fluid will not percolate whether there is hair in the same or not, and preferably these slits are also formed in the flaps *c* so that the bunches of hair may be passed therethrough and through corresponding slits formed in the flaps *b* and *b'*.

For the purpose of threading or passing the hair through the slits *d* I may employ pins of needle-like form which serve to grip the separated pieces or bunches of hair and permit of the easy threading of the so gripped hair through said slits.

Preferably the device is formed from a material which embodies asbestos or other suitable heat-insulating material and in the example illustrated (see Figure 3) the parts of the device, i. e. the flaps *b*, *b'* and the main part *a*, are formed from rubber indicated at *e* and asbestos *f*. In this latter figure the bunches of hair *g* are clearly illustrated passing in some cases through slits *d* formed in the flaps *b* and in other cases through slits *d* formed both in the flaps *b* and *c* and through the flaps *c* only. The same arrangement may be provided for in the case of flap *b'* and its respective side flaps *c*.

The invention is not limited to the above details which are only given by way of example but may be variously modified to meet any particular conditions or requirements.

Having now described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. A covering for the scalp of a person for use in the process of permanent hair waving made of resilient material and having slits therein through which pieces or bunches of hair may be passed, the said slits closing automatically whether hair is present therein or not to protect the scalp from the hot fluid used in such process.

2. A covering for the scalp of a person for use in the process of permanent hair waving made of resilient material comprising a series of flaps which, in conjunction with a main part adapted to lie over and cover the top portion of the scalp, are adapted to lie around and cover the sides and back of the scalp and also the forehead, said covering being formed with slits through which pieces or bunches of the hair can be passed, said slits closing automatically whether hair is present therein or not to protect the scalp of the person from the hot fluid used in the above process.

3. A covering as claimed in claim 2 having other flaps or parts (as *c*) adapted to bridge and seal the edges of adjacent flaps or parts (*a* and *b*).

4. A covering as claimed in claim 2 formed from rubber with an intermediate layer of asbestos.

In testimony whereof I have signed my name to this specification.

LILIAN MAY BUTCHER.