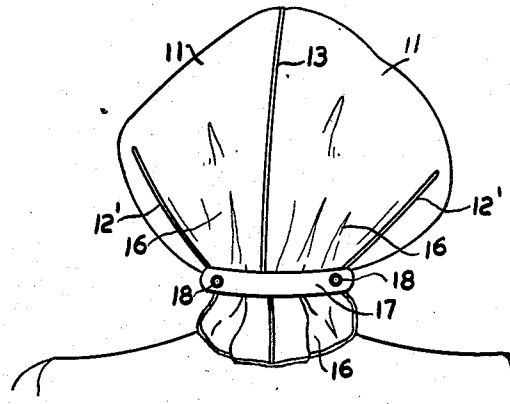
Sept. 12, 1950 J. E. BEGUHN 2,522,251

COLD WAVE PERMANENT CAP

Filed Oct. 22, 1947

Fig. 1



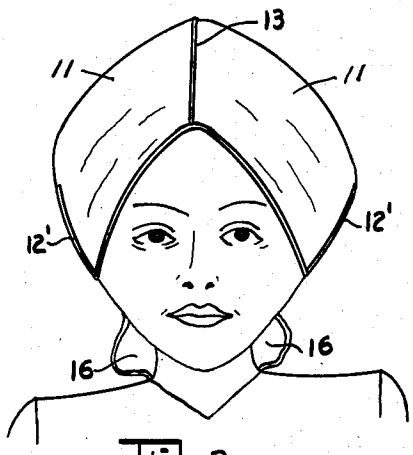
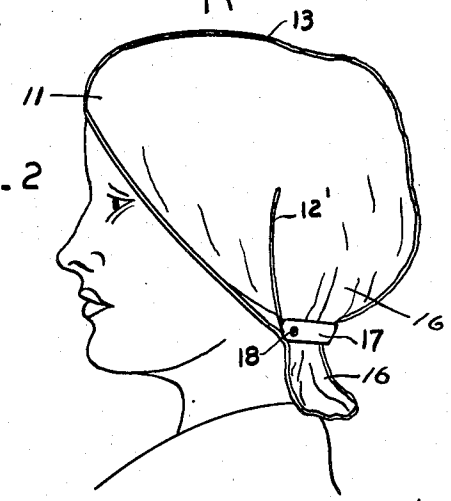




Fig. 3

Fig. 2



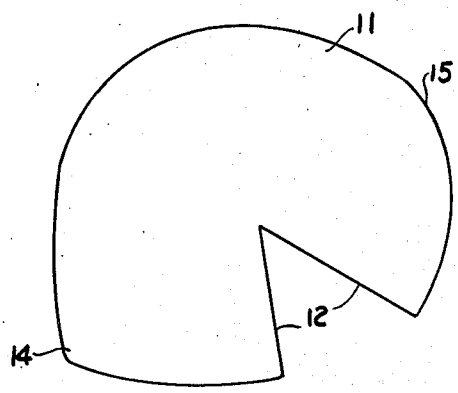




Fig. 4

Fig. 5

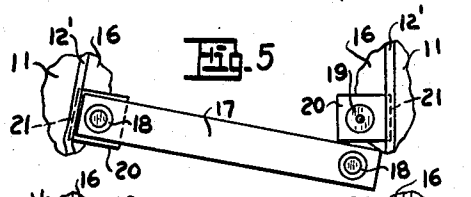



Fig. 6

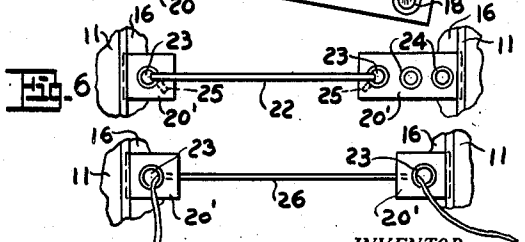



Fig. 7

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## COLD WAVE PERMANENT CAP

Johanna E. Beguhn, Detroit, Mich.

Application October 22, 1947, Serial No. 781,297

3 Claims. (Cl. 2—174)

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This invention relates to caps and more particularly to a cold wave permanent cap.

Heretofore in the construction of caps for use in effecting cold wave permanents it was desirable that the same loosely fit over the user's head, and that means be employed to interconnect spaced portions of the rear portion of said cap for drawing the same snugly around the user's head.

Heretofore this means usually included draw strings of one nature or another, or on the other hand an elastic element built within the rear portion of the cap both of which were adapted to effect gathering of the same snugly against the back of the user's head. Over a period of time it was found that the solutions employed caused the draw strings or the elastic to become stiff and inoperative. In the case of the draw strings the exertion of excessive force was required often resulting in tearing or ripping of the cap.

It is therefore the principal object of this invention to provide a novel cap construction including an excess of covering material at the rear thereof, together with suitable means for resiliently drawing said material reasonably snug against the user's head.

It is the further object of this invention to provide in a cap resilient spacer means adapted for removable attachment to spaced portions of said cap for drawing the rear portion thereof snugly together around the user's head.

It is the further object of this invention to provide a preferably resilient strap whose ends are adapted for expansive attachment to spaced portions of the material at the back of the cap for drawing the same snugly across the back of the user's head.

It is the further object of this invention to provide such a resilient or elastic strap with various means at its outer ends adapted for removable attachment to the rear loose portions of the cap for the purposes above specified. These means may include snap fasteners, hooks and eyes, or spaced loops adapted to be interconnected by some other means such as a cord, a spring, or string or wire.

These and other objects will be seen from the following specification and claims in conjunction with the appended drawing in which:

Figure 1 is a rear elevational view of the cap as secured and mounted upon the user's head.

Figure 2 is a side elevational view thereof.

Figure 3 is a front elevational view thereof.

Figure 4 is a plan view of one of the pattern elements from which the cap is constructed.

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Figure 5 is a fragmentary rear elevational view of the cap illustrating the securing strip and one means of attachment thereto.

Figure 6 is a similar view showing a different form of securing means and method of attachment; and

Figure 7 is a similar view of still another form of securing means.

It will be understood that the above drawing illustrates merely a preferable embodiment of the invention and that other embodiments are contemplated within the scope of the claims hereafter set out.

Referring to the drawing, a pattern half for the cap is shown in Figure 4 including a substantially circular pattern element 11 from which an angular sector has been cut defining the inwardly converging edges 12.

As the initial step in constructing the cap the pattern element 11 has its straight edges 12 joined together by a suitable seam designated as 12' for illustration in Figure 2. The initial step renders the pattern element concave in form to cooperatively receive one-half of the user's head.

A pair of said pattern elements are then assembled and secured together along the line 13 between the respective points 14 and 15 shown on pattern 11 in Figure 4. The cap as secured and assembled is illustrated in Figures 1, 2 and 3.

It will be noted that by virtue of the seams 12' the cap is concave recessed at its sides to cooperatively accommodate the sides of the user's head as illustrated in Figure 3.

As shown in Figure 1 the rear portion of the cap has a fullness due to the excess of cap material indicated at 16. The cap has this fullness at the rear thereof to accommodate various sizes of the users' heads.

In effecting the cold wave permanent, after the curls are formed and saturated with the solution employed, the cap is positioned over the user's head as shown in Figures 1, 2 and 3.

A spacer or connecting strap 17, preferably elastic, has a pair of snap fastener elements 18 at its outer ends which as shown in Figure 5 are adapted for cooperative attachment with snap fastener elements 19 on the cap. Referring to Figure 5 a pair of tabs 20 are suitably secured at 21 to the lateral seams 12' forming a part of the cap elements 11.

As above described and as viewed in Figure 1, the excess of cap material 16 is positioned between the two lateral seams 12'. Tabs 20 have secured thereon the snap fastening elements 19

which are adapted for respective attachment with snap fastening elements 18 on the ends of securing strap 17.

Normally one of the ends of strap 17 is secured to the rear of the cap as in Figure 5.

*Operation*

After the cap is mounted on the user's head the enlarged rear portion of material 16 forming a part of said cap is evenly positioned across the rear of the user's head, and the free end of strap 17 is drawn across the outside of material 16 gathering the same to snugly bear against the back of the user's head. The free end of said strap as in Figure 5 is then attached by means of the snap fastener elements 18 and 19 to the opposite side of element 16 whereby the cap assumes the final position upon the user's head as shown in Figure 1.

Strap 17 is preferably elastic and is thus effective to cooperatively hold the portions 16 of the cap snugly against the back of the user's head.

In Figure 6 the tabs 20' are shown with a slight variation in the means of attachment for the resilient securing strap 22 which is also preferably elastic. Tabs 20' are similarly secured to the rear portions of the cap adjacent the seams 12', and have therein the eyes 23 and 24.

Hooks 25 are adapted for cooperative securing engagement within eyes 23 of tabs 20' for effectively securing the back portion 16 of the cap snugly around the back of the user's head.

Additional spaced eyes 24 are shown in one of the tabs 20' to permit some adjustment depending on the size of the user's head.

A slight variation is shown in Figure 7 wherein the eyes 23 are adapted to be interconnected by the cord 26 whose free ends may be drawn together and tied, thereby drawing together the spaced tabs 20'.

It is contemplated that there may be various other means employed for interconnecting and drawing together the respective tabs 20 and 20', and the means shown in Figures 5, 6 and 7 are merely illustrative of such attaching means.

The cap shown in Figures 1, 2 and 3 is preferably constructed of a thin chemically resistant substance having certain characteristics of flexibility, such as a thin plastic transparent substance for example.

Once the strap 17 is properly secured, the slack portion 16 extending below said strap is adjustable thereunder, whereby the cap may be properly adjusted to the user's head with all contacting peripheral portions snugly engaging the same.

Having described my invention reference should now be had to the claims which follow for determining the scope thereof.



I claim:

1. In a cap for use in applying a cold wave permanent, a pair of substantially circular concave elements joined to each other throughout at least one-half of their corresponding peripheral portion, fastening means mounted upon the rear portion of said cap in spaced relation, and a resilient strap normally shorter than the distance between said fastening means adapted for respective attachment at its ends to said fastening means for drawing up and maintaining said cap as well as all contacting peripheral portions of the cap snugly against the user's head.

2. In a cap for use in applying a cold wave permanent, a pair of substantially circular concave elements joined to each other throughout at least one-half of their corresponding peripheral portions, a pair of tabs mounted upon the rear portion of said cap in spaced relation, and a resilient strap normally shorter than the distance between said tabs adapted for respective attachment at its ends to said tabs for drawing up and maintaining said cap as well as all contacting peripheral portions of the cap snugly against the user's head.

3. In a cap for use in applying a cold wave permanent, a pair of substantially circular concave elements joined to each other throughout at least one-half of their corresponding peripheral portions, a pair of tabs mounted upon the rear portion of said cap in spaced relation, fastening means on said tabs, a resilient strap normally shorter than the distance between said fastening means, and fastening means thereon adjacent its outer ends respectively attachable to said first fastening means for drawing up and maintaining said cap as well as all contacting peripheral portions of the cap snugly against the user's head.

JOHANNA E. BEGUHN.


**REFERENCES CITED**

The following references are of record in the file of this patent:

UNITED STATES PATENTS

| Number | Name | Date |
|---|---|---|
| 241,149 | Northrup | May 10, 1881 |
| 1,516,796 | Seilaz | Apr. 7, 1921 |
| 1,600,530 | Becker et al. | Sept. 21, 1926 |
| 1,618,297 | Reinhold | Feb. 22, 1927 |
| 1,766,749 | Husman | June 24, 1930 |
| 2,051,594 | Dubin | Aug. 18, 1936 |

FOREIGN PATENTS

| Number | Country | Date |
|---|---|---|
| 781,313 | France | Apr. 13, 1935 |
| 811,941 | France | Apr. 26, 1937 |