THERMAL APPLICATOR FOR HEAD

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Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

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This invention appertains broadly to thermal applicators, and is an improvement on my invention shown in my pending application for patent, Serial No. 321,890, filed November 21, 1952, entitled “Ice Cap.”

One of the primary objects of my invention is to provide a novel headpiece particularly useful for sports wear formed from sponge material and adapted to be saturated or partially saturated with water, so that the evaporation thereof will bring about the cooling of the head or the maintaining of the head in a cool condition during the exercise of a person or when a person is exposed to the heat of the day.

Another salient object of my invention is the provision of a headpiece including a fillet and a visor formed from sponge material adapted to be saturated with water for cooling purposes, with the visor so formed as to not only provide shade for the eyes, but whereby the same can be flexed downwardly over the eyes of a person for cooling and resting the eyes, or the back of a person's neck when the headband is turned around with the visor worn in the rear.

A further object of my invention is the provision of a headband including a headband and a front or rear visor, or both, formed from sponge material, such as cellulose, reinforced at their edges by compression and stitching whereby the band and visor will hold a desired shape.

A still further object of my invention is to provide a combination headband and visor formed from sponge material which will possess a neat and attractive appearance and which will effectively bring about the cooling of a person's head and which can be manufactured and placed upon the market at a very low cost.

With these and other objects in view, the invention consists in the novel construction, arrangement and formation of parts, as will be hereinafter more specifically described and claimed and illustrated in the accompanying drawing, in which drawing:

Figure 1 is a perspective view of one preferred form of my improved headpiece;

Figure 2 is a detail fragmentary sectional view thereof taken on the line 2—2 of Figure 1, looking in the direction of the arrows;

Figure 3 is an enlarged fragmentary detail sectional view illustrating one form of means for uniting the visor with the headband;

Figure 4 is an enlarged transverse sectional view through the headband, taken on the line 4—4 of Figure 2, looking in the direction of the arrows, and

Figure 5 is an enlarged fragmentary detail horizontal sectional view taken on the line 5—5 of Figure 1, looking in the direction of the arrows, showing one method of connecting the terminals of the headband together.

Referring to the drawing in detail, wherein similar reference characters designate corresponding parts throughout the several views, the letter H generally indicates my novel headpiece, and the same includes a fillet or headband 10 and a visor 11. Both the headband 10 and the visor 11 are formed from a sponge material such as from natural sponge, or from synthetic sponge material such as cellulose or rubber. The headband is preferably formed from a sponge like material which will possess some resiliency or elasticity so as to conform to the shape of a person's head and to snugly fit around the head. In the manufacture of the headband, the same can be made from a single strip of material of the desired width and the strip can be then flexed in the form of a circle with the ends united by stitching 12, as best shown in Figs. 1 and 5.

To add strength and rigidity to the band, the marginal or peripheral edges thereof are compressed, as at 13, to form a compact mass and this edge is whipped with stitches 14. The compression of the material and the stitching reinforces the entire band and adds rigidity thereto and helps to hold the shape of the band.

The visor 11 is treated in the same fashion, i.e., the marginal edges thereof are compressed, as at 15, and the compressed edges are whipped with stitching 16. The inner edge of the visor is cut to conform to the arc of the headband and is then united to the lower edge thereof at the appropriate point by stitching 17.

In use, the headband 10 can be made in different sizes for small or large persons, but as heretofore stated, the headband does possess some elasticity so that the same can be stretched over the head, and thus snugly engage and cling to the head.

In use of my headpiece, the same is saturated, or partially saturated, with water and is then placed on the head and as the water evaporates (according to the well-known law of physics), a cooling action will take place and thus the head of the person will be maintained in a cool condition. Evaporation takes place over the entire area of the band and visor and the heat is dissipated and keeps the entire head cool. The cooling action does not depend on the initial temperature of the water but depends primarily on the evaporation of the water. Hence, the headpiece is particularly useful for sports wear or by people out in the open during the heat of the day.

As the material is flexible the visor can be flexed down over the eyes of a person to bring about the cooling of the forehead and eyes, and this will permit the resting of the eyes as well as the cooling thereof. Obviously, the headband can be turned around so that the visor will project over the back of the neck of a person and in this instance, the visor can be pressed down on the neck to bring about the cooling thereof. If preferred, both the front and back of the headband can be provided with visors.

It is preferred, that the headband and visor be only partially saturated with water and obviously where this is done, the material will effectively prevent the dripping of water down a person's head and face and the headband will then also function to absorb perspiration.

The device can be made from various colors, and if desired, the visor can be of one color and the headband of another color, so as to bring about a contrast, and hence the device constitutes an attractive piece of wearing apparel as well as a protection for the person wearing the same.

Various changes in details may be made without departing from the spirit or the scope of this invention but what I claim as new is:

As a new article of manufacture, a headpiece formed from sponge material and adapted to be initially saturated with water, including a headband completely encircling the head, and an outwardly and downwardly projecting flexible visor secured thereto, the circumferential edges of said band and the outer edge of said visor being compressed and whipped with stitching to add rigidity
to the headpiece and to confine the moisture to the larger surfaces and main portions of the article.

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