March 4, 1958 M. H. OLSEN 2,825,328

SCALP LOOSENING TENSION BAND

Filed Sept. 25, 1956

Fig. 1

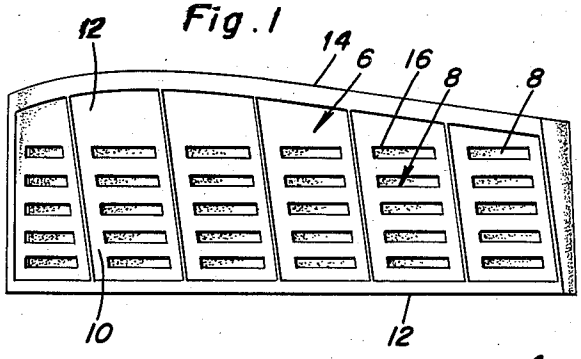
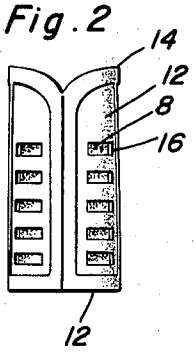


Fig. 2



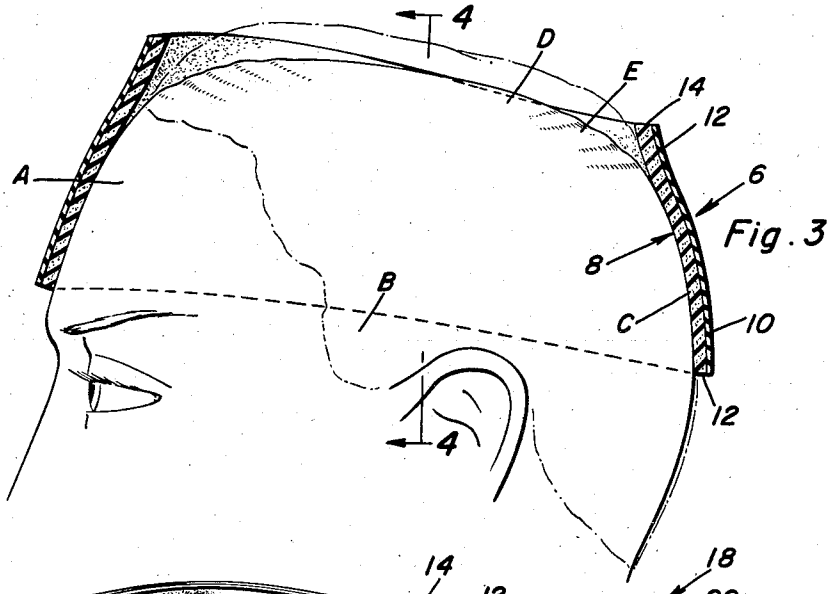


Fig. 3

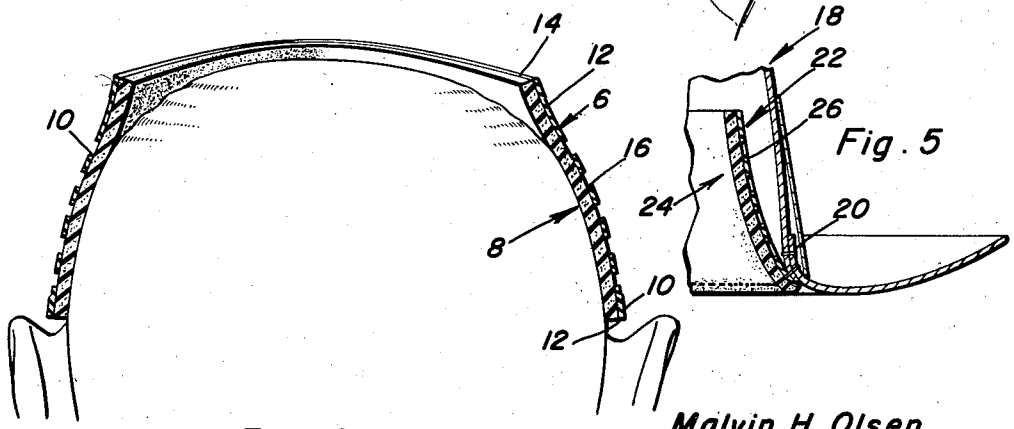


Fig. 5

Fig 4

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SCALP LOOSENING TENSION BAND

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2 Claims. (Cl. 128—76)

The present invention relates to an appliance which, though unusually simple and economical, serves in a somewhat singular fashion to enable a user thereof to relieve an undesirably existing tight scalp condition and, in so doing, to preserve his hair.

It is submitted that one of the conditions to which baldheadedness is often traced is a tight and often seemingly unyielding scalp. In these circumstances many appliances, accessories and devices have been recommended and promoted with a view toward invigorating the scalp and temporarily loosening it with a view toward stimulating blood flow and circulation and the supply of nutrition to the hair roots. Manual manipulation in which the scalp is vigorously rubbed and equivalent practices and procedures are in vogue in the hopes that the follower of such techniques will benefit, however limited and nominal may be the results.

The instant concept has to do with a readily applicable and removable expedient which has sometimes been referred to as a truncated elastic cap but which is, as a matter of fact, more in the nature of a head encircling and embracing band. In general side elevation the "cap" resembles, at least in some respects, a well-known soldier's overseas cap. Another aspect or form of the invention pertains to a form thereof which may be either as a sweatband or a sweatband having facilities such as those which the instant concept utilizes in helping one to cope with the perplexing and disheartening problem of losing one's hair, particularly if it be thought that the situation is one in which a highly tensioned tight scalp condition is perhaps responsible.

More specifically, in carrying out the invention a scalp loosening band with tension properties incorporated in the band is appropriated for use. Its use promotes better blood circulation, stimulating and invigorating working of the scalp and hair roots looking toward preservation of one's hair. More explicitly, a preferred embodiment of the invention utilizes an elastic tight scalp loosening band which is characterized by a lower or basal portion which gently hugs and retentatively embraces and stays in place on the wearer's forehead, encircling the latter, the temples and the attending portion of the back of the head. The band also embodies a companion upper brow lifting and skin stretching portion. The latter functions when in use to stretch and tension the brow, temples and back of the head and to thus lift the same up and to, in turn, "knead" the scalp. This has been found to cause portions of the scalp to become wrinkled and loosened so as to relieve and overcome what would otherwise be a tight scalp, a condition which is thought not to be conducive to the growth and preservation of one's hair.

In reducing to practice a preferred embodiment of the invention the band is composite. That is to say, it has an outer vulcanized rubber band and a lining of sponge rubber which provides the cushioning and anti-slipping means, the outer band being perforated for ventilation purposes, and the two-parts having the aforementioned upper and lower portions with the upper portion functioning as a sort of a truncated cone which when it is under tension, having been stretched over the wearer's head, results in the aforementioned uplifting forces and the resultant loosened scalp condition in the manner and for the purposes stated.

Other objects, features and advantages will become more readily apparent from the following description and the accompanying sheet of illustrative, but not restrictive, drawings.

In the accompanying sheet of drawings wherein like numerals are employed to designate like parts throughout the views:

Fig. 1 is a side elevation of a truncated "cap" or scalp loosening tension-type band constructed in accordance with the principles of the present invention;

Fig. 2 is an end view of the same, that is a view observing Fig. 1 in a direction from right to left;

Fig. 3 is a view on a slightly enlarged scale showing how the band is capped over the head and how the upper contracted truncated conical portion tends to wrinkle the scalp and bring about the desired scalp loosening result;

Fig. 4 is a section on the line 4—4 of Fig. 3 looking in the direction of the arrows; and

Fig. 5 is a fragmentary sectional view showing how the invention may be constructed and incorporated in the interior of a hat to function both as a sweat band and scalp conditioner.

Referring now to the drawings and particularly to Figs. 1 to 4 inclusive it is to be kept in mind that the novel appliance, as a structural entity, is such that it may be described either as a truncated conical "cap" or, alternatively, as an elastic band which embraces and is yieldingly retained on the wearer's head in the manner illustrated in Figs. 3 and 4. Regardless of a fitting generic name or titled, the appliance will be made in prescribed sizes, similar to men's hats. Perhaps, however, the sizes may be worked out satisfactorily as small, medium, large, extra large and so on. In any event the over-all band is preferably endless and when selecting one for use it should be chosen so that it snugly hugs the head in the manner illustrated and is stretched and therefore under constant yielding tension. Construed otherwise, the appliance comprises an outer vulcanized rubber tension band **6** and a cushioned lining **8** therefor. Both components **6** and **8** are preferably endless and the lining is a fine grade of sponge rubber or an equivalent product which conformingly yields and offers comfort to the features encompassed thereby. As is perhaps best evident from Figs. 3 and 4 the finished cap or band is ovate in plan and truncated conical in elevation. Considering the parts **6** and **8** as a composite endless band it will be noticed that the latter is made up of what may be described as a lower half portion **10** and an upper gradually tapering or truncated half portion **12**. The lower edge, or edges, is straight as at **12** and the upper edge, or edges, is slightly contoured so that it has a high crown portion above the frontal portion of the wearer's scalp and a lower rear portion. The result is that when in use and properly fitted, of course, the lower half portion encompasses the forehead A, temples B and rear portion of the head C above the nape of the neck. When thus applied under tension the facial tensions in the forehead, temples B and head portion C are tautened upwardly and this gently eases the scalp upwardly, that is the portion D resulting in wrinkles as at E and consequent loosening of the scalp. This conditions the scalp, that is, overcomes a tight scalp condition, promotes free circulation of blood in the loosened scalp and diminishes to a minimum strangulation of the hair roots. Experience has shown the result to be more efficacious and convenient that tiresome massaging with the fingers of one's hands.

The appliance approprates itself conformingly and with requisite nicety to the head and cranium, producing upward lifting forces. The tension band **6** supplies sufficient adhesive tension of the lower half portion **10** so that the appliance remains comfortably yet reliably in place. The properly gauged inherent resilient properties of the over-all appliance results in the production of upward forces causing the scalp and band to move upwardly throughout the circumference of the band. The limit of this upward motion is reached when sufficient tension is created in the skin of the lower portions of the face and scalp to balance the aforesaid resultant upward forces. Subjected to this conditioning the scalp is invigorated and stimulated and yet is relaxed and amply loosened. Experience has also shown that the appliance tends to lift face muscles upward and likewise tends to relieve undue wrinkling of the wearer's forehead.

It is also to be noticed that the outer band is preferably provided with a multiplicity of ventilating and air circulating holes **16**. One might notice too that in side elevation the band is shaped somewhat like a soldier's overseas cap, which gave rise to and accounts for the truncated "cap" idea previously touched upon.

It is further to be mentioned that since the lining will be soft and pliant to a requisite degree, the device may be worn at any time, even while one is sleeping.

As brought out in Fig. 5 the appliance may be incorporated in a hat as at **18**. That is to say, the basal portion of the device will be stitched in place as at **20** and will take the place of a sweatband in a hat. It is thought unnecessary to go into detail here other than to mention that the outer tension band is the same as already described and is conveniently denoted at **22** and the cushioned lining is denoted at **24**. The ventilating holes are denoted at **26**.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly all suitable modifications and

equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. For use in loosening one's scalp, promoting better blood circulation, stimulating and invigorating the scalp and hair roots and thus preserving the user's hair, an elastic tight-scalp loosening band having a lower portion which gently hugs yet retentively embraces and stays in place on the wearer's forehead, temples and back of the head, and a companion upper open top brow lifting and skin stretching portion which "kneads" and gathers the top of the scalp, causing portions thereof to become wrinkled, whereby to relieve and overcome what would otherwise be a tight scalp, a condition which is thought not to be conducive to the growth of hair, said band being endless, having a given head-size, and being susceptible of incorporation in a hat to serve, if desired, as a so-called sweatband, said band being interiorly lined with a compressibly resilient pad functioning as a cushion and also having aerating and ventilating means, said lower portion being approximately ovate in plan and said upper portion being slightly less in circumference than said lower portion.

2. A scalp loosening appliance which is readily applicable and removable and is constantly under tension when worn comprising a truncated conical cap, said cap being generally ovate in plan and embodying upper and lower contiguous half portions and being made up of an endless elastic tension band provided with ventilating holes, and a lining for the interior surface of said band, said lining being constructed from sponge rubber.

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