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(54) **Element for fixing goggles to a bathing cap**

(57) The invention relates to an element (3) which is used to fix goggles (6) to a bathing cap (1) and which is particularly suitable for caps and goggles of the type used by persons participating in underwater activities. The inventive element is characterised in that it comprises a flexible part (3) which is made from heat-sealable material and which takes the form of an irregular hexagon.

The aforementioned flexible part is divided into two halves which can be heat sealed to one another and to both hemispheres of the cap (1) during the production thereof. For said purpose, the part is joined to the surface of the cap along the smaller sides of the hexagon such as to provide a transverse opening for the passage of the ties (5) used to fix the goggles.

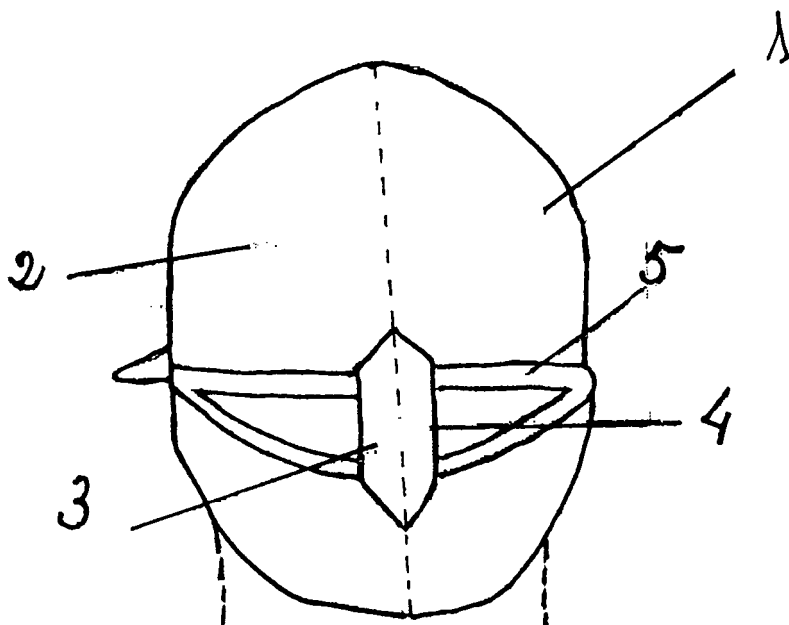


FIG.1

Description

Object of the invention

[0001] The present invention talks about a piece of subjection of goggles to bathing cap, that such contributes to essential characteristics of newness and notables average the well-know ones and used advantages with respect to for aims in the present state of the technique of swimming.

[0002] But in individual, the invention proposes the fact to incorporate in a bathing cap of conventional type, an element that allows at any moment to maintain the goggles of swimming to this cap, without possibility that these are lost accidentally, but so that the goggles can be separated of the cap when the user wishes it, with views to the cleaning of the same ones or also to its substitution, according to it agrees.

[0003] To this end, the proposal of the invention consists of a piece of a material of manufacture of the cap, whose piece adopts an extended configuration and is enabled to constitute, after its entailment to the cap, a species of pin for the braces of the glasses, so that both elements (the goggles and the cap), are left mutually united.

[0004] The field of application of the present invention is included/understood, obvious, within the industrial sector dedicated to the manufacture of sport complements for the bath, such as caps and similar.

Antecedents and Summary of the invention

[0005] The fact that between the medical instructors of swimming, an extended liking to the use of goggles exists very, mainly when is known by all in general this activity is made in the sea or swimming pool and the medical instructor of the same one wishes "to see" under the water with the purpose of observing the marine bottom and the peculiarities that this present.

[0006] Nevertheless, and since habitually the glasses are used normally with smaller frequency and are a separated and independent article of any other element, the circumstance that also usually occurs they leave in places different from those from the cap, habitual which frequently, the effective loss of the glasses takes place, or in a while being given the user does not know the place in which it left them.

[0007] For that reason, he would be desirable to be able to have the possibility of tying elements, the cap and the goggles, so that the user can have the set at the moment at which he wishes to use it, and with no need of wasting time in the search of anyone of them.

[0008] In this sense, the present invention proposes a solution by means of which it is possible to eliminate the associated disadvantages the devices of the previous technical, by means of the provision of a bathing cap provided with an element of retention for the goggles, and that it prevents that these last ones can separate

accidentally of the cap. The basic characteristics of this disposition are contained and explained in the part of vindication 1.

[0009] Of essence, the element hereby developed invention consists of a piece of material flexible, susceptible to be united by sealed-thermos to the cap during the same process of manufacture of this one, by the back part of the cap, and that constitutes a pin for the braces of the goggles. Thus, when the user this using the set, both elements of goggles and cap mutually does not remain tie to each other, whereas, in necessary case, the user can make the separation of these elements by means of the liberation of the union between the adjustable end of the brace and the own body of the goggles. Is a simple solution that it solves of effective way the raised disadvantages, and that are practical effective and easy and economic to implement.

Brief description of the Drawings

[0010] These and other characteristics and advantages of the invention, will be made clear from the description detailed that follows of a preferred form of accomplishment, given solely and non-limited, in reference to the drawings which they are accompanied in that more clearly:

Figure 1 shows a view in back cash settlement of a cap constructed according to the invention, applied to a user,

Figure 2 illustrates a view in lateral cash settlement of the same representation of figure 1.

Description of a form of favourite accomplishment

[0011] Description of the form of accomplishment preferred of the invention is going to be carried out with the aid of the annexed drawings, by means of which the same numerical references are used to designate the equal or similar parts. Thus, making reference in the first place to figure 1, a representation in later cash settlement of a cap provided with the piece of the invention can be appear is fixated, as its use.

According to he appears represented, the bathing cap 1 is formed, like is habitual, by two halves, with which each one covers a hemisphere of the head of the user, that is to say, are located in the parts left and right of the user, being both halves supported to each other throughout an intermediate line, indicated in scheme form by means of numerical reference 4.

[0012] In agreement with the invention, the piece of propose retention consists of an element of extended general form, indicated by means of numerical reference 3, formed preferably as a irregular hexagon, and that in correspondence with the form of construction of the cap, also appears divided in two parts following the lengthwise direction, according to the portion of central line 4, each

one of whose parts this associate also to the one of halves of the cap, being made union among them and with these halves of the cap, by means of a "sealed-thermos", operation, during the same process of construction of the cap.

The union of piece 3 to the cap is made by the ends of that, that is to say, the sides that adopt pointed configuration in the positions upper and lower of the representation.

[0013] With a disposition of the commented type, piece 3 superposed to the material of cap 1, constitutes a flexible pin, as a bridge, that lets pass between the piece the cap, the braces of bath goggles, simultaneously that makes the due effect of retention of these braces, avoiding the undesired separation of the goggles. This situation can also be assessed in the commented figure, in which braces 5 of the glasses can be appreciated surrounding the head by the user, supported on the cap, but passing below the pin or bridge provided by piece 3.

[0014] Figure 2 corresponds with a representation in lateral cash settlement of the same content of figure 1. This figure demonstrates clearly to the form of use of the set formed by cap 1 and goggles 6. According to it is appraised, the usually used goggles are of conventional type, that is to say, of the type of which 5 subjects by an end to the body of the goggles by means of a releasable enlistment display the braces Poe the user. As it is understood, this characteristic of separation of enlistment between the body of the goggles 6 and braces 5, it is in that extremely beneficial case to the effects of the invention, since it can be taken advantage of by the user when it wishes to retire the goggles of the cap, for example with views to the cleaning or substitution those, since it will be enough with carrying out such liberation of braces 5 with respect to goggles 6, and to exert a traction on the braces in sense opposed to the one of introduction under piece 3, until these braces are totally free and separated of the rest of cap 1.

[0015] It is not considered the content necessary to make but extensive of this description so that an expert in the matter can include his reach and the advantages derived from the invention, like developing and taking to the practice the object of the same one.

[0016] However, it must be understood that the invention has been described according to an accomplishment preferred of the same one, reason why can be susceptible of modifications without it supposes alteration some of the foundation of this invention, being able to affect such modifications, in special to the form, the size and/or the materials of manufacture whenever these conserve their flexible character and are enabled to support the operations of linked sealed-thermos or similar ones.

by the medical instructors of sub aqueous activities, **characterized** because it consists of a flexible piece (3), of sealable-thermos material, formed as a irregular hexagon, divided in two halves susceptible to be thermos-sealed to each other and with both hemispheres of the cap (1) during the manufacture of this one, whose piece (3) is united to the surface of the cap (1) by the smaller sides of the hexagon, leaving a passage in transverse direction that admits the lodging to its traverse of the braces (5) of subjection of the goggles (6).

Claims

1. Piece of subjection of goggles to bathing cap, applicable in individual types of caps and goggles used

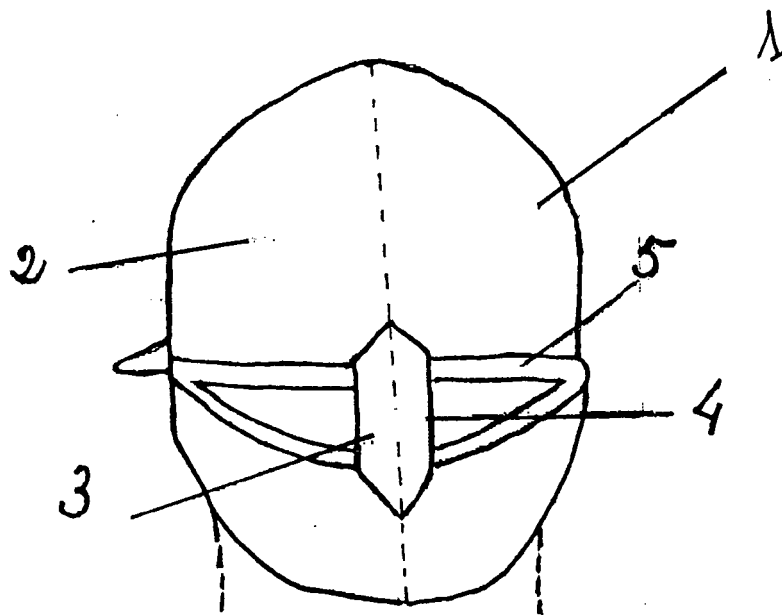


FIG.1

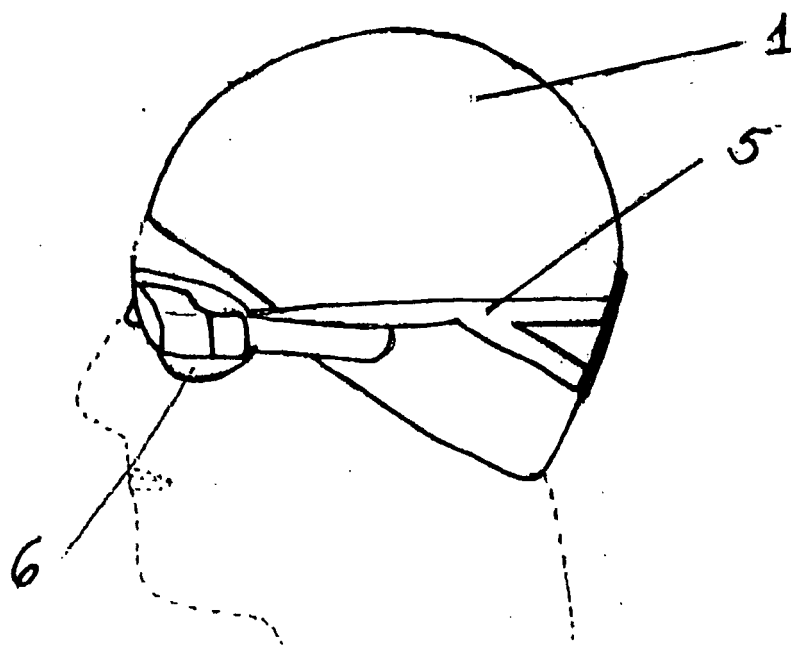


FIG.2