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⑯ Cap, provided with protecting members, particularly for water-polo players.

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Description

The present invention relates to a cap, particularly for water-polo players, of the general type specified in the preamble of claim 1.

A cap of this kind is known from US-A-3454962.

As it is known, water-polo players have to wear, for rule, during a game, a cap of different colour from that of the competing team, the cap having printed thereon a number effective to mark the player.

Presently these caps are generally made of a very thin fabric and, accordingly, they are not capable of suitably protecting the players. More specifically, several head parts of the players are exposed and susceptible to impacts and the like.

A very delicate zone is that of the pavilion, because impacts and water sprays can cause dangerous obstructions of the ears. Another delicate zone is that of the orbital arches which, upon impact, are easily susceptible to painful and dangerous wounds.

US-A-3454962 discloses a cap in which ear guards are provided in the form of bowl shaped members which have outwardly bent peripheral flanges for fastening to cap flaps. The bowl shaped members provide protection for the ear region of the players, however the outwardly bent peripheral flanges define a projecting edge all around the bowl shaped members which can cause injury to the players.

Furthermore, the riveted pins provided for fastening the flanges to the cap flaps have heads projecting both outside of the flanges and inside the cap flaps. The heads of the pins may be subjected to impacts with foreign bodies during playing and these impacts would then be transmitted to the head of the players by the pins, causing local annoying compressions onto the head of the players.

Another drawback of the known cap of US-A-3454962 is that the outwardly bent peripheral flanges increase the dimensions of the bowl shaped ear guards, making wearing more unsatisfactory because the flanges have a planar extension while the cap have to be fitted over a head where the region around the ears is not very planar.

Protecting ear guards are also known from US-A-2758304 and USA-3628191, however these ear guards form an integral part respectively of a rigid helmet and a headgear for wrestlers and are not provided on a semielastic cap like a cap for water polo players.

The task of the present invention is that of overcoming the above drawbacks by providing a cap particularly for water polo players which suitably protects the players reducing annoying compressions and the danger of injury for the wearer.

This task is solved by the characterizing features of claim 1.

Owing to the fact that the contour of the bowl shaped members overlies the respective flanges

5 all around the periphery thereof, except in the region of the draining opening, the external dimensions of the bowl shaped members can be held satisfactorily large to allow unhindered entering and escape of water, while the planar flanges contact a smaller region around the ears which is substantially planar and thus they do not cause undesired trouble during wearing. Furthermore, the pins remaining inside the peripheral recesses of the bowl shaped members are no longer subjected to impacts with foreign bodies and therefore they do not transmit to the wearer's head annoying compression stresses. The inwardly bent flanges do no longer provide a projecting peripheral edge which could cause injury to the players.

10 15 20 25 Further characteristics and advantages of the invention will become more apparent from the following detailed description of a cap particularly for water-polo players, illustrated by way of an indicative and not limitative example in the accompanying drawings, where:

Fig. 1 is a perspective schematic view of the cap;

Fig. 2 is a cross-sectional view showing the zone of the cap where the bowl shaped members are provided; and

Fig. 3 is an exploded perspective view showing the bowl shaped members and the fixing means therefor

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sired water stagnations from occurring in the inside of the bowl shaped members 10.

In order to fasten the bowl shaped members 10 to the body 1 there are provided counterflanges 20, which are located in the inside of the body 1, at respective openings formed in the body 1, and have integral pins 21, for penetrating corresponding holes 22 of the flanges 12. The pins 21 are then riveted on the flanges 12. In this manner, a firm coupling of the bowl shaped members 10 to the cap is obtained. This type of coupling, moreover, affords the possibility of not stretching the semielastic material forming the body 1, and it does not require time consuming and expensive operations for applying the bowl shaped members 10.

As visible in the drawings, the contour of the bowl shaped members 10 overlies the respective flanges 12 all around the periphery thereof except in the region of the draining opening 13, whereby recesses are defined in the peripheral portion of the bowl shaped members 10 for receiving the riveted pins 21 such that the latter do not project from the contour of the bowl shaped members 10.

In order to suitably protect also the eyebrow arches of the player, at the front portion of the edge of the body 1 there is advantageously applied an elongated protecting member 23, preferably made of a profile of closed cell rubber.

The described cap can be used as any other conventional cap employed by water polo players, with the great advantage of suitably protecting both the pavilion regions and eyebrow regions.

Claims

1. A cap particularly for water polo players, comprising a body (1) of semielastic material for fitting over the head of a player and bowl shaped members (10) on lateral portions of the body (1) in a region corresponding to the ears of the player, said bowl shaped members (10) each having a plurality of through holes and draining opening (13) and a peripheral flange (12) for fastening to the body (1) by means of riveted pins (21), characterized in that said bowl shaped members (10) are made of a rigid material in a manner known per se, and in that the contour of the bowl shaped members (10) overlies the respective flanges (12) all around the periphery thereof except in the region of the draining opening (13), whereby recesses are defined in the peripheral portion of the bowl shaped members (10) for receiving said riveted pins (21) such that the latter do not project from the contour of the bowl shaped members (10).

2. A cap as claimed in claim 1, characterized in that said flanges (12) are fastened to the body (1) by cooperation with respective counterflanges (20) arranged inside the body (1) and having integral pins (21) penetrating holes (22) of said flanges (12) being riveted thereon.

3. A cap as claimed in claim 1, characterized in that it has an elongated protecting member (23) in

the front region for protecting the eyebrow region of the player, said protecting member (23) being made of a profile of closed cell rubber.

Patentansprüche

1. Käppchen, insbesondere für Wasserpolspieler, bestehend aus einem Körper (1) aus einem halb-elastischen Werkstoff zur Anpassung auf dem Kopf eines Spielers und becherartigen Elementen (10) auf seitlichen Abschnitten des Körpers (1) in einem den Ohren des Spielers entsprechenden Bereich, wobei jedes becherartige Element (10) eine Vielzahl von Durchgangslöchern und eine Ablassöffnung (13) sowie einen Umfangsflansch (12) zur Befestigung am Körper (1) durch genietete Bolzen (21) aufweist, dadurch gekennzeichnet, dass die becherartigen Elemente (10) in an sich bekannter Weise aus einem steifen Werkstoff ausgebildet sind und dass die Kontur der becherartigen Elemente (10) den jeweiligen Flanschen (12) rings herum ihren Umfang ausgenommen im Bereich der Ablassöffnungen (13) überlappt ist, wobei Ausnehmungen im Umfangsbereich der Becherartigen Elemente (10) zur Aufnahme der genieteten Bolzen (21) ausgebildet sind, so dass die letzteren aus dem Umfang der becherartigen Elemente (10) nicht herausragen.

2. Käppchen nach Anspruch 1, dadurch gekennzeichnet, dass die Flansche (12) am Körper (1) in Zusammenwirkung mit jeweiligen innerhalb des Körpers (1) angeordneten Gegenflanschen (20) befestigt sind, an welchen Zapfen (21) angeformt sind, die durch Löcher (22) der Flansche (12) hindurchgreifen und an diesen angenietet sind.

3. Käppchen nach Anspruch 1, dadurch gekennzeichnet, dass ein langgesetztes abstehendes Stück (23) im stirnseitigen Bereich zum Schützen des Bereiches der Augenbrauen des Spielers vorgesehen ist, wobei das abstehende Stück (23) aus einem Gummiprofil mit geschlossener Zellstruktur besteht.

Revendications

1. Chapeau, particulièrement pour joueurs de polo aquatique, comprenant un corps (1) en matière demi-élastique apte à être adapté sur la tête d'un joueur et des éléments (10) à forme de calotte sur des portions latérales du corps (1) dans une zone correspondante à les oreilles du joueur, chaque desdits éléments à calotte ayant une pluralité de trous passant et une ouverture de drainage (13) et un flasque périphérique (12) pour la fixation au corps (1) au moyen de tourillons rivetés (21), caractérisé en ce que lesdits éléments à calotte (10) sont réalisés en matière rigide d'une manière connue, et en ce que le profil des éléments à calotte (10) est superposé sur les flasques respectifs (12) autour de toute la périphérique de ces derniers à l'exception de la zone de l'ouverture de drainage (13), de manière que des encoches sont définies dans la portion périphérique des éléments à calotte (10) pour recevoir lesdits tourillons rivetés (21) de manière que ces derniers

ne sont pas en saillie du profil des éléments à calotte.

2. Chapeau selon la revendication 1, caractérisé en ce que lesdits flasques (12) sont fixés au corps (1) au moyen de la coopération avec des counter-flasques respectifs (20) disposés à l'intérieur du corps (1) et ayant des tourbillons intégraux pénétrant dans des trous (22) desdits flasques (12) et

étant rivetés sur ces derniers.

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3. Chapeau selon la revendication 1, caractérisé en ce qu'il est pourvu d'un élément de protection allongé (23) dans la région frontale pour protéger la région des sourcils du joueur, ledit élément de protection (23) étant réalisé par un profilé en caoutchouc à cellules fermées.

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