A headgear structure with a transformable peak includes the combination of a peak and a crown (such as a baseball cap), or a peak and a strip (such as a sun visor), or any headgear with a peak, wherein the peak is provided with flexible elements in the brim or elsewhere. The flexible elements may be made of metal or non-metal having the feature of a stay-in shape upon being flexed. A peak board in the form of a soft laminate may allow the wearers to, after bending the flexible elements, adjust said peak board, thereby varying the outer appearance of the peaked headgear and satisfying different wearers' preferences.
HEADGEAR STRUCTURE WITH TRANSFORMABLE PEAK

[0001] A headgear structure with a transformable peak includes the combination of a peak and a crown (such as a baseball cap), or a peak and a strip (such as a sun visor), or any headgear with a peak, wherein the peak is provided with flexible elements in the brim or elsewhere. The flexible elements may be made of metal or non-metal having the feature of a stay-in shape upon being flexed. A peak board in the form of a soft laminate may allow the wearers to, after bending the flexible elements, adjust said peak board, thereby varying the outer appearance of the peaked headgear and satisfying different wearers’ preferences.

DESCRIPTION OF THE INVENTION

[0002] 1. Application of the Invention

[0003] The present invention relates to a headgear structure with a transformable peak, and particularly relates to a headgear structure which, in combination with a peak secured to the front edge of the crown, can be bent anytime and anywhere to form the peak style of varying bending arcs, thus enabling the wearers to match their clothing and enhance their personal style; the peaked headgear can bear different visual effects by simply changing the style of the peak, so as to be suitable to all kinds of peaked headgear structures.

[0004] 2. Brief Description of Prior Art

[0005] People adore outdoor entertainment/sports which, however, can easily cause severe sun burn. For as long as the head-wearable caps have been designed and extensively used, the styling and aesthetic effects of the caps have been of concern to the consumers. Varying caps are worn depending on different timing, occasion and clothing, rendering the derivation of various types of peaked headgear.

[0006] Taking the essential structure and style of a sports cap shown in FIG. 1 for example, the cap, basically a leisure cap (or baseball cap), has six gores seamed to form a crown 10, and a peak 20 secured to the front edge of the crown 10 to satisfy sun block requirements. The structure of the peak 20 generally includes a plastic board in-between the upper and lower fabric layers, and a seam 21 is formed on the brim of the peak 20.

[0007] The outer appearance of the conventional cap cannot be greatly varied based on the reasons that the peak 20 is usually made of rigid plastic in the form of a flat or fixed first quarter moon shape, thus preventing any method of styling. Given the single style and the unadjustable peak shape, the cap cannot provide the feature of free adjustment and shaping.

SUMMARY OF THE INVENTION

[0008] The primary object of the present invention is to provide a headgear structure with a transformable peak, the structure and design of the peak permit free bending to alter the outline thereof, rendering variation in the overall appearance of the cap and subsequently increasing its aesthetic and novelty effects.

[0009] Another object of the invention is to provide a headgear structure with a transformable peak which includes flexible elements provided on the seam portion between the top peak fabric and the under peak fabric being outer cover layers for peak board. After said flexible elements are bent and shaped, said peak board can be set to an arc shape along with the flexible elements, thus increasing the effect of varying the outer appearance of the peaked headgear. Besides, while the flexible elements can be made of metal or non-metal having the feature of being flexed and adjusted to a set shape, the peak board is in the form of a relatively soft laminate, so that after the flexible elements of the peak are bent, the rigid stress of the flexible elements is greater than the resilience of the peak board, thereby the peak board can be set to an arc shape along with the flexible elements, and the outer appearance of the peaked headgear can be varied to satisfy different wearers’ fondness.

[0010] To understand the characteristics and structure of the present invention further, a detailed description of the embodiment is further provided hereafter.

BRIEF DESCRIPTION OF THE DRAWINGS

[0011] FIG. 1 is a perspective view of a cap of prior art.

[0012] FIG. 2 is a perspective view of an embodiment according to the present invention.

[0013] FIG. 2A is a cut-away view of the middle structure of the invention taken from FIG. 2.

[0014] FIG. 3 is a perspective view of another embodiment according to the present invention.

[0015] FIG. 3A is a cut-away view of the middle structure of the invention taken from FIG. 3.

[0016] FIG. 4 schematically shows a use status of the present invention, wherein the peak of the cap can be flexed to various styles.

[0017] FIG. 5 schematically shows a use status of the present invention, wherein the peak of the cap can form various styles via forcible bending.

[0018] FIG. 6 is a front view shows a use status of the present invention, wherein the peak of the cap can form various styles via forcible bending.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0019] FIG. 1 shows an outer appearance of a cap of prior art. As previously described, the peak thereof cannot be freely adjusted, and thus decreases the value of its utility.

[0020] As shown in FIGS. 2 and 2A, a cap according to an embodiment of the invention is formed of a cap crown 10 and a peak 20 via a seam, and the structure of the peak 20 includes a peak board 30 provided inside thereof, the upper and lower sides of the peak board are sheathed by a known fabric layer. Flexible metal cords 22 are invisibly provided inside of the seam in the front of the peak board 30 (as shown in FIG. 2A). In this way, the peak will become integrated with the cap crown.

[0021] The metal cords 22, which may be bent to certain angles can be common metal, such as copper, iron, aluminum, etc., whereas the sheathing fabric layer is water-proof. The cords may also be made of flexible non-metal, so as to avoid rust.
As shown in FIGS. 3 and 3A, while comparing the embodiment of the invention with the cap shown in FIG. 2, it can be seen that the flexible metal cord 22 can be replaced by a metal cord 23 sheathed by a water-proof plastic sheet 24, so that the sheathing fabric layer of the peak board 30 must not necessarily be water-proof and no rust would occur to the metal cords 23 sheathed inside thereof.

Referring to FIGS. 4 and 6, as the peak 20 is provided with the flexible elements, the present invention can permit the wearers to freely bend the peak board 30, thereby causing the flexible metal cords 22 provided on the front edge of the peak board 30 to change their arc shapes, thus styling the intended shape of the peak 20a.

Referring to FIGS. 5 and 6, as the peak board 30 provided on the peak 20 is in the form of a soft laminate, so long as the metal or non-metal cords are flexed, the peak can greatly change its shape via forcible bending as shown, and therefore the peak 20b becomes a fashionable style as illustrated, which is liked by youth. That is one of the benefits of the invention for making the cap style younger and more attractive in appearance.

In addition, the appended drawings only show the flexible elements invisibly provided inside of the peak, like the design concept of the invention, if the flexible elements are provided on the seams in-between the top and under peaks of the cap (as shown in part B of FIG. 4). It can also obtain the feature of flexing the peak to different shapes and thus is included in the scope of this invention.

In conclusion, the invention can improve the dull style of the prior art, by providing the flexible elements in the peak to enable a change of the style thereof and, in turn, the style of the cap. Therefore, the effect of varying the cap style with matching decorations on the cap can be reached. The utility of the peak according to the invention is greatly increased, since it can suit all kinds of peaked headgear, and with the doubtless value, the inventor of the invention claims the exposure.

1. A headgear structure with a transformable peak, including the formation of a peak and a crown (such as a baseball cap), or a peak and a strip (such as a sun visor), or any headgear with a peak, characterized in that:
   - the brim portion of the peak is provided with flexible elements which can be bent to adjust the shape of the peak; and a peak board is in the form of a relatively soft laminate, so that after being bent and shaped, the rigid stress of the flexible elements is greater than the resilience of the peak board, thereby the peak board can be set to an arc shape along with the flexible elements, thus increasing the effect of varying the outer appearance of the peaked headgear.
2. The headgear structure with a transformable peak according to claim 1, wherein the flexible elements are made of metal.
3. The headgear structure with a transformable peak according to claim 1, wherein the flexible elements are made of non-metal.
4. The headgear structure with a transformable peak according to claim 1, wherein the flexible elements are invisibly provided inside of the peak.
5. The headgear structure with a transformable peak according to claim 1, wherein the flexible elements provided are exposed outside of the peak.
6. The headgear structure with a transformable peak according to claim 1, wherein the flexible elements are provided on the seam portion in-between the top peak fabric and the under peak fabric which are outer cover layers for peak board, in order to make said flexible elements an outline of said peak.
7. The headgear structure with a transformable peak according to claim 1, wherein the flexible elements are made of metal and sheathed by a water-proof plastic tube.
8. The headgear structure with a transformable peak according to claim 1, wherein the flexible elements are made of metal and sheathed by a water-proof rubber tube.