April 12, 1966 F. A. ROBISON 3,245,088

SUNBATHING HEADGEAR

Filed Feb. 3, 1964

FIG. 1.

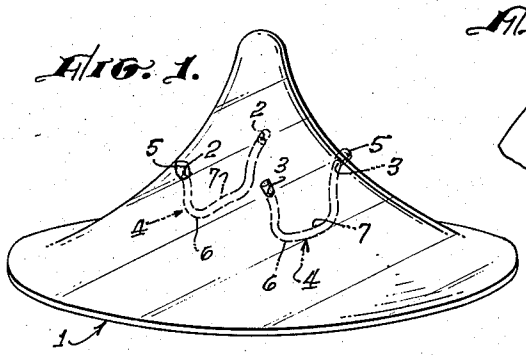


FIG. 2.

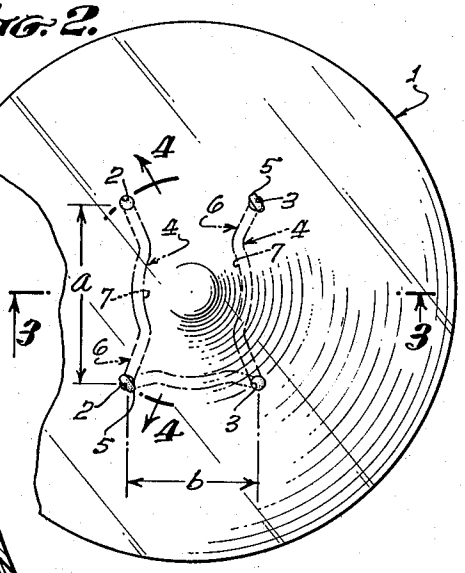


FIG. 3.

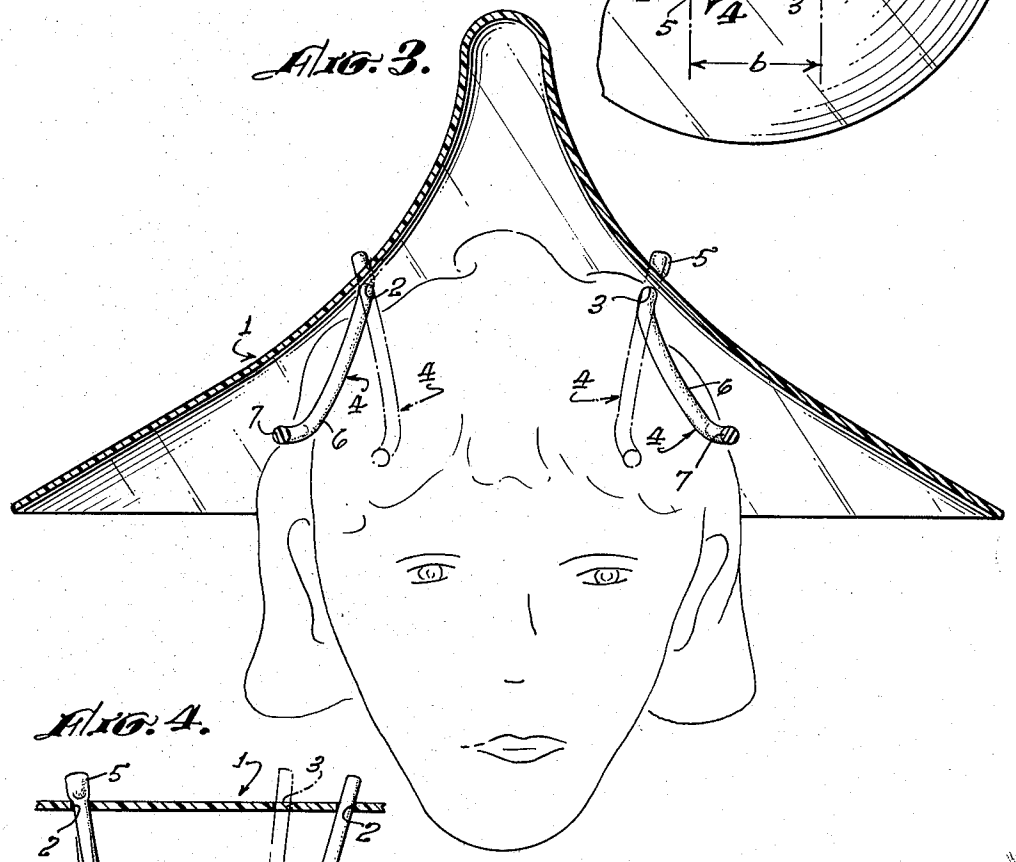
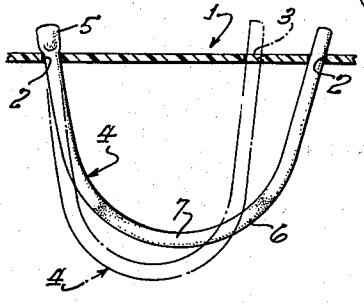


FIG. 4.



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SUNBATHING HEADGEAR

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This invention relates to sunbathing accessories and particularly to headgear therefor.

The principal object of the invention is to provide a sunbathing hat formed of a transparent plastic which is, however, substantially impenetrable by the infrared rays of the sun and which, is additionally provided with means for causing it to be firmly held on the head of the wearer and at the same time to be readily adjustable to suit a wide range of head sizes.

Another object of the invention is to provide a hat of the above character which is of simple construction, is readily and economically manufactured, is readily packed for shipment and is effective for its intended purpose.

With the foregoing objects in view, together with such additional objects and advantages as may subsequently appear, the invention resides in the parts, and in the construction, combination and arrangement of parts disclosed, by way of example, in the following specification of a presently preferred embodiment of the invention, reference being had to the accompanying drawings which form a part of said specification and in which drawings:

FIG. 1 is a perspective view of a hat embodying the invention,

FIG. 2 is a larger, fragmentary top plan view of the hat shown in FIG. 1;

FIG. 3 is a still larger scale medial sectional view taken on the line 3—3 of FIG. 2, and

FIG. 4 is a somewhat diagrammatic illustration of the mode of adjustment of the head engaging portions of the hat for size as taken on the line 4—4 of FIG. 2.

Referring to the drawings, the illustrated embodiment of the invention comprises a hat formed of a hollow body of modified conical configuration in which the outer side surface is somewhat concave and the inner surface correspondingly convex whereby the upper portion of the wall structure is substantially vertical. Preferably, this body structure is formed from a suitable rigid plastic sheet by a vacuum forming process. The plastic sheet is preferably of a type of material which is pervious to ultraviolet rays and relatively impervious to infrared rays.

The hat body at about the vertical plane representing the head of a wearer is provided with four holes extending therethrough and disposed to form a rectangle of greater length than width and comprising two holes **2, 2** spaced apart a distance designated as "*a*" on FIG. 2 and a corresponding pair of holes **3, 3** spaced apart at the same dimension along a line parallel to and laterally spaced from a line containing the holes **2, 2** by a dimension "*b*" which is somewhat less than the dimension "*a*." These holes are each inwardly and downwardly slightly inclined toward the axial line of the hat body.

The head engaging means comprises a pair of generally U-shaped rods **4, 4** of resilient rigid plastic of a diameter closely fitting the holes **2, 2** and **3, 3,** said rods having one end thereof flattened slightly as at **5** to prevent passage of said end through the hole. The rebent end portion **6** of the rods are preferably laterally outwardly curved as at **7** to conform somewhat to the curvature of the head of a wearer.

The rods are inserted from the outside of the hat at diagonally opposite ones of the holes **2** and **3** and the ends opposite the flattened ends thereof are inserted either through the other hole of the pair through which the rod was initially inserted or through the adjacent hole of the opposite pair of the holes. When the pair of rods **4, 4** are inserted respectively in the holes **2, 2** and **3, 3,** these rods are spaced apart a distance of the minor dimension "*b*" and when one of the rods extends from one of the holes **2** to the adjacent one of the holes **3** while the other of the rods extends from the other of the holes **3** to the adjacent one of the holes **2** the rods are again parallel but are spaced laterally apart from each other a distance equal to the greater dimension "*a*." As initially formed, the rebent ends **6** of these rods are U-shaped at a slightly greater curve than will accommodate the distance between the holes in the hat and thus hold themselves in position by reason of being under tension when compressed to enter one or the other of the holes opposite the hole engaged by the flattened end **5.**

FIG. 4 illustrates diagrammatically the fact that a rod **4** extending between a pair of holes **2, 2** may, alternatively, be compressed sufficiently to extend between a hole **2** and a hole **3** as is also indicated in dotted lines in FIG. 2.

Since the holes **2** and **3** are somewhat inclined downwardly and toward the axial line of the hat, the loops formed by the rods **4, 4** must be sprung apart laterally to fit over the head of a wearer and thus when engaged on the head of a wearer hold the hat firmly in place. Where the hat is to be worn by a child, the rods **4** would be placed so as to extend between the pairs of holes and when worn by an adult, the free ends of the rods would be swung to the adjacent hole of the opposite pair thus slightly cutting down the width of the loop formed by the rods but increasing the lateral distance between the two rods to suit the head of the adult.

While in the foregoing specification there has been disclosed a presently preferred embodiment of the invention, it is not to be inferred therefrom that this invention is, in fact, limited to the precise details of construction thus disclosed by way of example and it will be understood that the invention includes as well, all such changes and modifications in the parts, and in the construction, combination and arrangement of parts as shall come within the purview of the appended claims. For example, the hat need not be of the illustrated configuratiton but may be of any other configuration to which the novel holding means may be applied.

I claim:

1. Sunbathing headgear comprising a hat formed from a sheet of rigid, transparent plastic and comprising a generally conical configuration, and a head engaging means detachably connected to said hat and depending from the under side of said hat and comprising a pair of resilient rods of U-shaped configurattion and each having the ends thereof detachably engaging a pair of holes in the hat which are spaced apart a distance other than the distance between the rod ends whereby the rods are subjected to stress incident to engagement with the hat and are maintained in such engagement by the imposed stress, said rods extending in spaced parallel relation to each other; said rods adapted to resiliently grip the opposite sides of the head of a wearer.

2. Sunbathing headgear as claimed in claim **1** in which said head engaging members normally extend in downwardly converging directions with the bent ends thereof disposed at a lesser distance apart than the ends thereof connected to said hat whereby springing said rebent ends apart from each other provides said resilient gripping on the head of the wearer.

3. Sunbathing headgear comprising a hat formed from a sheet of rigid, transparent plastic and comprising a generally conical configuration, and a head engaging means detachably connected to said hat and depending from the

underside of said hat and comprising a pair of resilient, U-shaped members having the ends thereof connected to said hat in lines extending in spaced parallel relation to each other; said members being adapted to resiliently grip the opposite sides of the head of a wearer, said hat being provided with holes extending therethrough and in which said holes are arranged to define a rectangle of greater length than width and in which holes the ends of said members are removably received whereby when said members are positioned in the pairs of said holes defining the longer sides of said rectangle, they are spaced apart the lesser distance represented by the width of said rectangle and vice versa.

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