June 16, 1925. 1,542,000

B. L. PARSONS

HEADPIECE

Filed July 5, 1924

Fig. 1.

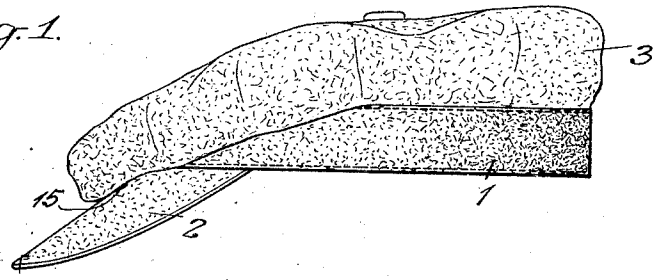


Fig. 2.

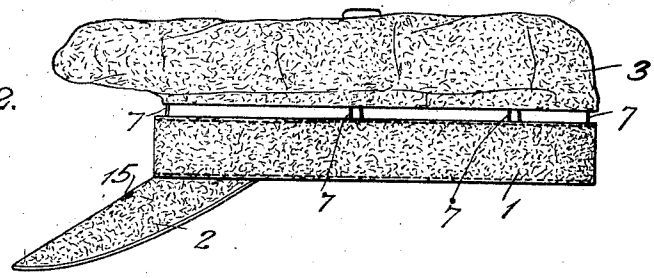


Fig. 4.

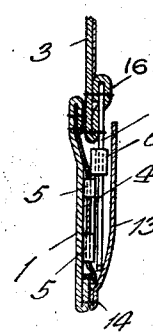


Fig. 3.

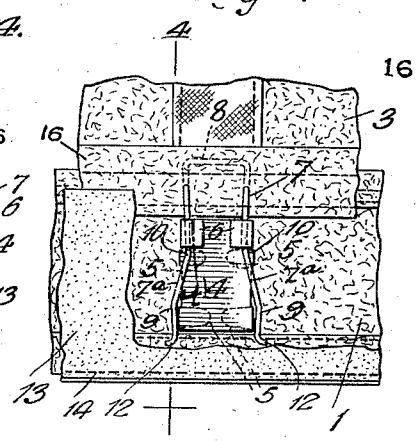
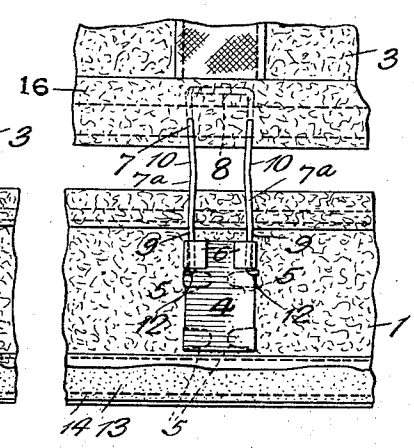


Fig. 5.



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ATTORNEYS

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UNITED STATES PATENT OFFICE.

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HEADPIECE.

Application filed July 5, 1924. Serial No. 724,190.

To all whom it may concern:

Be it known that I, BURT L. PARSONS, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Headpieces, of which the following is a full, clear, and exact description.

This invention relates to head pieces and has for an object to provide an improved head piece in the nature of a hat or cap which, while providing shade for the eyes, may be adjusted selectively to prevent or allow free circulation of the air from the exterior of the head piece into the crown; which will have the appearance of an ordinary head piece when worn in non-ventilating condition; and with which the crown may be completely separated from the band so that the band may be worn separately as an eye shade and at the same time obtain the advantage of going bareheaded. A further object is to provide an improved head piece for accomplishing the above objects which will be attractive in appearance, simple and durable in construction, which may be quickly and easily adjusted into either ventilating or non-ventilating condition and which is relatively inexpensive. Various other objects and advantages will be apparent from the following description of an embodiment of the invention, and the novel features will be particularly pointed out hereinafter in claims.

In the accompanying drawing:

Fig. 1 is a side elevation of a cap constructed in accordance with the invention, with the parts in their non-ventilating or normal relation;

Fig. 2 is a similar elevation of the same with the crown spaced from the band so as to provide for the free circulation of air from the exterior of the cap into the crown through space between the crown and band;

Fig. 3 is an inside elevation of a portion of the cap showing on a larger scale, the collapsible connections between the crown and band, the parts being in the collapsed position;

Fig. 4 is a sectional elevation of the same, the section being taken substantially along the line 4—4 of Fig. 3; and

Fig. 5 is an inside elevation of the parts shown in Fig. 3 when in their extended or ventilating relative positions.

In the illustrated embodiment of the invention, the cap is provided with a band part 1 which is adapted to surround the head, and the band part carries the usual sun shade or vizor part 2 for shading the eyes of the wearer. A crown part 3 of the shape and style usually employed in caps is superposed upon and connected to the band part by collapsible connections arranged around the band at spaced intervals.

The collapsible connections each comprise a stamping 4 of sheet metal having integral edge tongues 5 which, when the stamping is placed against the inner face of the band proper, may be attached to the band by pinching the tongues into the same, the tongues during the pinching being turned back upon a face of the stamping as illustrated. The stamping is also provided with a pair of integral edge tongues 6 which are turned over toward one another upon the outer face of the stamping and in spaced relation to the outer face, so as to form with the outer face of the stamping, a pair of open opposed guide grooves which extend in a direction between the crown and band.

A U-shaped spring wire 7 is secured at its cross arm 8 to the crown part, so that the free arms 7^a thereof will depend from the inner face of the crown part. The free ends of the arms are normally divergent and have, at different points in their lengths, suitable changes in direction 9 and 10, and these free arms are sprung together and into the open opposing grooves formed by the tongues 6 as shown clearly in Figs. 3 and 5. When the crown part abuts against the upper edge of the band as shown in Figs. 1, 3 and 4, the changes in direction 10 of the arms will be just below the guides so that the crown part will be yieldingly held against the band.

When the crown is pulled outwardly into the position shown in Figs. 2 and 5, in which its lower edge is spaced from the upper edge of the band, the depending arms will be sprung together and the points in change of direction 9 will be just above the grooves so as to yieldingly hold the crown in its upper spaced relation to the band. The free ends of the arms may be turned or offset laterally as at 12, so as to form stops which engage with the tongues 6 and normally limit the separating movement of the crown relatively to the band.

The usual sweat band 13 may be secured at 14 to the lower edge of the band so

as to extend upwardly within the band and conceal the connections between the crown and band. The crown and fore piece may also be provided with cooperating snap fastening elements 15, so that the forward end of the crown may be secured to the fore piece or detached therefrom as usual in cap constructions. The U-shaped wire 7 may be secured at the cross arm 8 to the crown part in any suitable manner such as by stitching it thereto, but preferably it is attached to the crown part by threading the free arms downwardly through an upwardly and inward turned flange 16 of the crown part, after which the upper end of the flange may be secured, such as by stitching, to the body of the crown part, which effectively anchors the U-shaped wire in proper position.

In the use of the cap with the crown part collapsed upon the band part, it will have the appearance of an ordinary cap which is shown in Fig. 1. When it is hot or one desires to ventilate the crown part, it is merely necessary to pull the crown part outwardly to the limit normally permitted by the collapsible connections, and during this movement, the spring arms will be sprung together and move from the position shown in Fig. 3 into the position shown in Fig. 5. The points in change of direction 9 of the spring arms will then, in resting upon the upper ends of the grooves, yieldingly hold the crown part in elevated or spaced relation with respect to the band part.

The cap may be worn as usual with either the forward part connected to the fore piece as shown, or separated therefrom, as desired. Air from the exterior of the cap may freely enter the crown through the spaces between the crown part and band part, the connections offering little obstruction to the spacing thus provided, and this ventilation is not only advantageous for its effect upon the scalp and hair, but it also assists in keeping the head of the wearer cool. To close the cap into its normal position shown in Fig. 1, it is merely necessary to press the crown part toward the band part, the free arms of the U-shaped wire springing apart as the crown part approaches the band part until the points in change of direction 10 engage beneath the tongues 6 and yieldingly hold the crown part in abutting relation with the band part.

It frequently happens that a person desires to go bareheaded but, at the same time, desires some shade or protection for the eyes and face. One may, if desired, completely disconnect the crown part from the band part, in which case the band part may be worn as an ordinary eye shade so as to provide the desired portection for the eyes and face and at the same time leave the scalp exposed. To disconnect the crown part from the band part, it is merely necessary to spring the free arms of the U-shaped wire together so as to disengage them from the grooves formed by the tongues 6, whereupon the crown part will be entirely released from the band part. The forward part of the crown may be severed from the fore piece by opening the snap connection 15. The crown part may be reattached to the band part by springing the arms together and into the grooves formed by the tongues 6.

It will, therefore, be obvious that a head piece constructed in this manner may be worn either in ventilating or non-ventilating condition and changed from either condition to the other in an instant in a very simple and practical manner and, when desired, the crown may be readily and quickly detached from or applied to the band part so that the band part with its fore piece may be worn separately as an eye shade whenever desired. Such a head piece is always comfortable and attractive in appearance.

It will be obvious that various changes in the details, which have been herein described and illustrated in order to explain the nature of the invention and one embodiment of the same, may be made by those skilled in the art within the principle and scope of the invention as expressed in the appended claims.

I claim:

1. A head piece comprising a band part, a separate crown part, and resiliently yieldable collapsible connections between the parts at spaced intervals around the band for selectively and yieldingly holding the parts either spaced apart to permit free circulation of air from the exterior of the head piece directly into the crown through the spaces between the connections, or together to close said spaces.

2. A head piece comprising a band part, a separate crown part, and resiliently yieldable collapsible connections between the parts at spaced intervals around the band for selectively and yieldingly holding the parts either spaced apart to permit free circulation of air from the exterior of the head piece directly into the crown through the spaces between the connections, or together to close said spaces, said connections being operable to permit complete separation of said parts.

3. In a head piece, a band part, a crown part, and collapsible connections between the parts at spaced intervals around the band for holding the parts selectively either spaced apart or together, said connections comprising a member secured to one of said parts and having grooves extending in a direction between said parts, and a second

member secured to the other of said parts and having a pair of resilient stretches running in said grooves, said stretches having changes in direction at different points in their length cooperating with the grooves to hold the stretches at different adjusted positions in the grooves.

4. In a head piece, a band part, a crown part, and collapsible connections between the parts at spaced intervals around the band for holding the parts selectively either spaced apart or together, said connections comprising a member secured to one of said parts and having grooves extending in a direction between said parts, and a second member secured to the other of said parts and having a pair of resilient stretches running in said grooves, said stretches having changes in direction at different points in their length cooperating with the grooves to hold the stretches at different adjusted positions of the grooves, the stretches having lateral offsets therein cooperating with the other member to limit the separation of the parts.

5. In a head piece, a band part, a crown part, and collapsible connections between the parts at spaced intervals around the band for holding the parts selectively either spaced apart or together, said connections comprising a member secured to one of said parts and having grooves extending in a direction between said parts, and a second member secured to the other of said parts and having a pair of resilient stretches running in said grooves, said stretches having changes in direction at different points in their length cooperating with the grooves to hold the stretches at different adjusted positions in the grooves, the stretches having lateral offsets therein cooperating with the other member to limit the separation of the parts, the grooves having sufficient clearance for the stretches to permit disengagement of the latter from the grooves by springing them laterally therein.

6. In a head piece, a band part, a crown part, and collapsible connections between the parts at spaced intervals around the band for holding the parts selectively either spaced apart or together, said connections comprising a member secured to one of said parts and having grooves extending in a direction beween said parts, a U-shaped wire secured at its base to the other of said parts with its arms diverging when free and sprung into said grooves, said arms having corresponding but opposite changes in direction at different points in their lengths for engagement with the grooves to hold the arms at different adjusted positions in the grooves and thus space the said parts or hold them together.

7. In a head piece, a band part, a crown part, and collapsible connections between the parts at spaced intervals around the band for holding the parts selectively either spaced apart or together, said connections comprising a member secured to one of said parts and having grooves extending in a direction between said parts, a U-shaped wire secured at its base to the other of said parts with its arms diverging when free and sprung into said grooves, said arms having corresponding but opposite changes in direction at different points in their lengths for engagement with the grooves to hold the arms at different adjusted positions in the grooves and thus space the said parts or hold them together, the free ends of the arms being turned laterally to normally prevent complete separation of said parts.

8. In a head piece, a band part, a crown part, and collapsible connections between the parts at spaced intervals around the band for holding the parts selectively either spaced apart or together, said connections comprising a member secured to one of said parts and having opposing open grooves extending in a direction between said parts, a U-shaped wire secured at its base to the other of said parts with its arms diverging when free and sprung into said grooves, said arms having corresponding but opposite changes in direction at different points in their lengths for engagement with the grooves to hold the arms at different adjusted positions in the grooves and thus space the said parts or hold them together, the free ends of the arms being turned laterally to normally prevent complete separation of said parts, said parts being completely separable by springing the arms laterally in the grooves to disengage them therefrom.

9. In a head piece, a band part, a crown part, and collapsible connections between the parts at spaced intervals around the band for holding the parts selectively either spaced apart or together, said connections comprising a metal stamping secured to one of said parts by integral teeth which are clinched into said part, said stamping having integral tongues extending in spaced relation with a face of the stamping to form guides running in a direction between said parts, and a wire member secured to the other of said parts and having a plurality of resilient stretches running in said guides and permitting separation or approach of said parts, said stretches having changes in direction at different points in their length for cooperation with the grooves to hold said parts either in separated or abutting relation.

10. In a head piece, a band part, a crown part, and collapsible connections between the parts at spaced intervals around the band for holding the parts selectively either spaced apart or together, said connections

comprising a metal stamping secured to one of said parts by integral teeth which are clinched into said part, said stamping having integral tongues extending in spaced relation with a face of the stamping to form guides running in a direction between said parts, and a wire member secured to the other of said parts and having a plurality of resilient stretches running in said guides and permitting separation or approach of said parts, said stretches having changes in direction at different points in their length for cooperation with the grooves to hold said parts either in separated or abutting relation, said stretches having lateral offsets to cooperate with said stamping in normally limiting separation of said parts.

11. In a head piece, a band part, a crown part, and collapsible connections between the parts at spaced intervals around the band for holding the parts selectively either spaced apart or together, said connections comprising a metal stamping secured to one of said parts by integral teeth which are clinched into said part, said stamping having integral tongues extending in spaced relation with a face of the stamping to form open guides running in a direction between said parts, and a wire member secured to the other of said parts and having a plurality of resilient stretches running in said guides and permitting separation or approach of said parts, said stretches having changes in direction at different points in their length for cooperation with the grooves to hold said parts either in separated or abutting relation, said grooves having sufficient lateral clearance to permit disengagement of said stretches therefrom by springing them laterally therein.

In witness whereof, I hereunto subscribe my signature.

BURT L. PARSONS.