May 12, 1959 S. LIPKIN 2,885,683

CAP

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FIG. 1

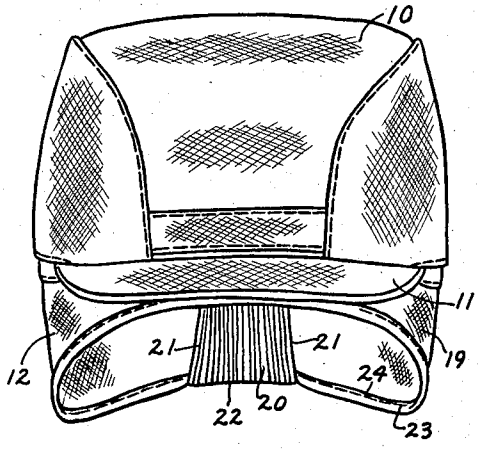


FIG. 3

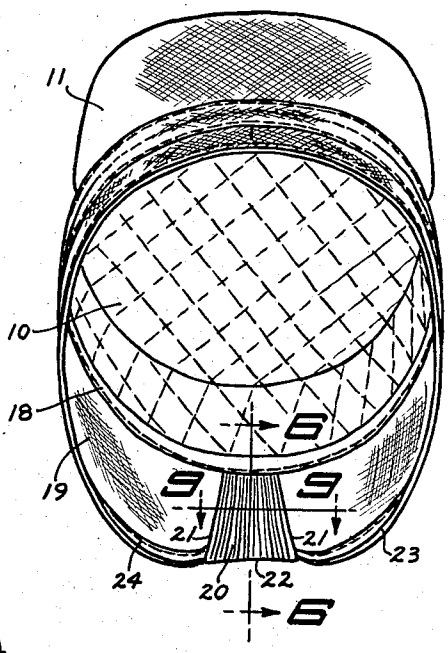


FIG. 2

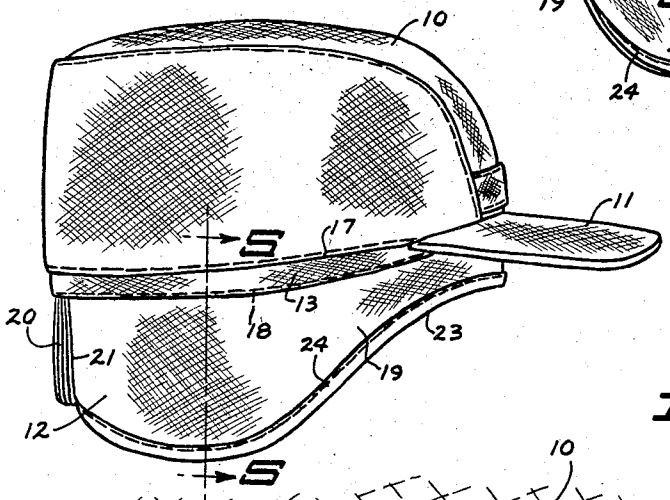
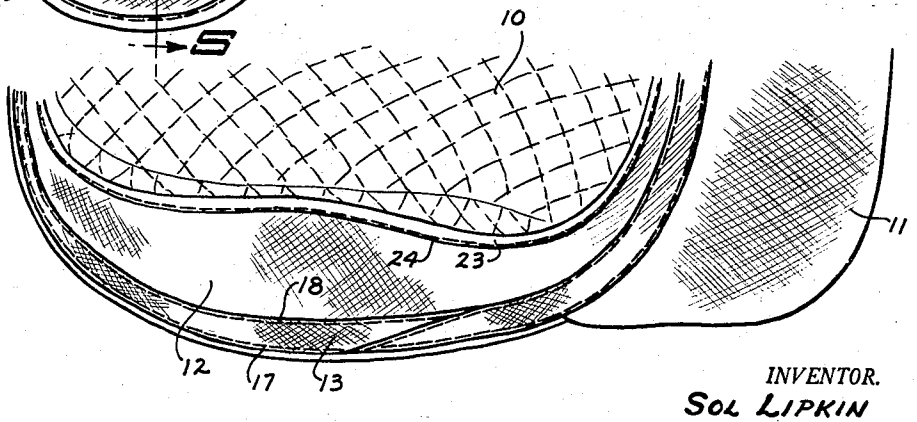


FIG. 4



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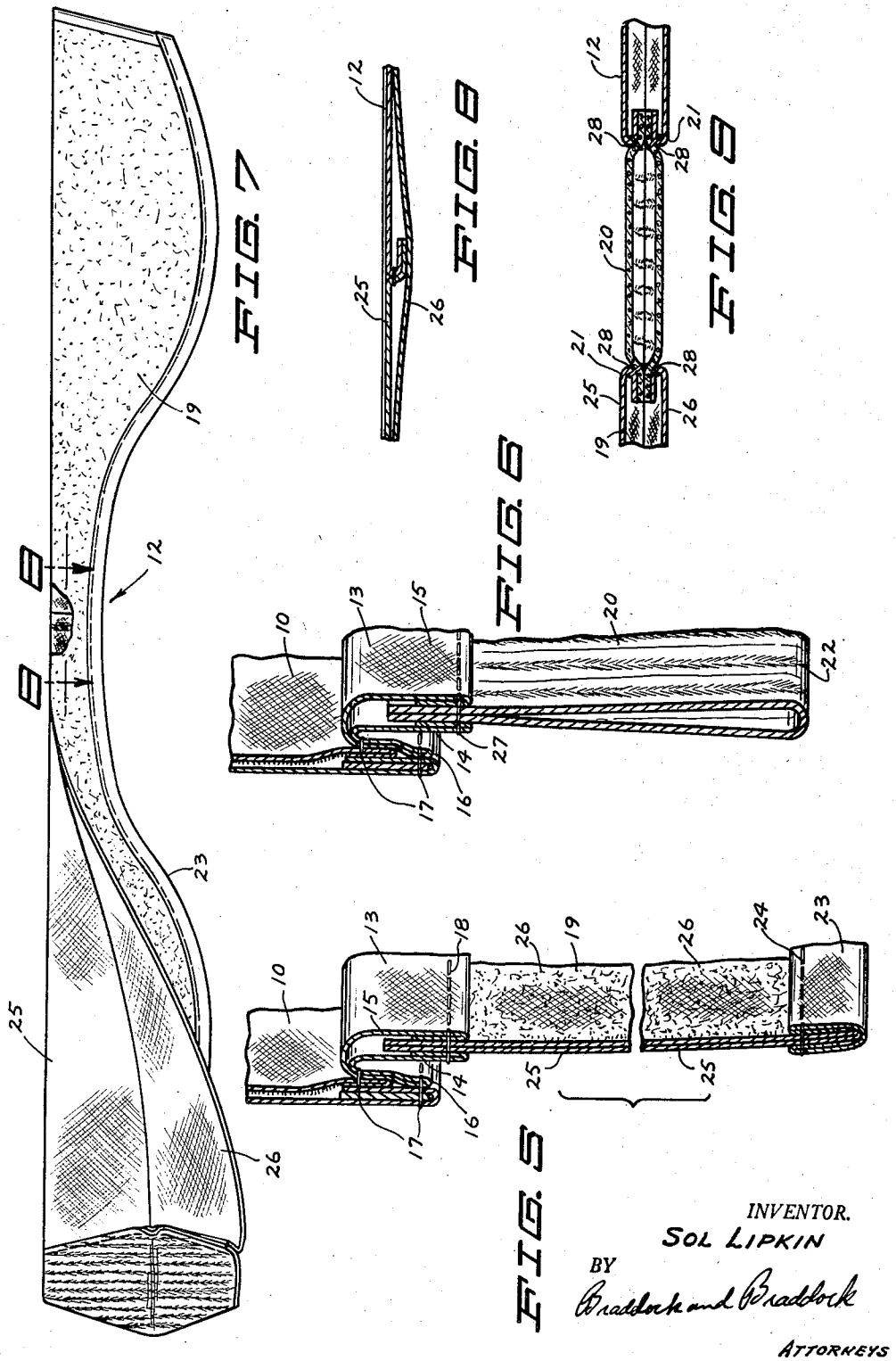
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CAP

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United States Patent Office

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CAP

Sol Lipkin, Minneapolis, Minn.

Application March 14, 1957, Serial No. 646,167

4 Claims. (Cl. 2—172)

The invention herein has relation to a cap with turn-down inband for protecting the head, ears, neck, etc. of a wearer.

The present application is a continuation-in-part of my applications Serial No. 404,675, for Cap, filed January 18, 1954, now abandoned, and Serial No. 481,901 for Cap, filed January 14, 1955, now abandoned.

A cap made according to the invention will include a crown and a continuous double thickness inband of novel and improved construction assembled with the crown in new and improved manner selectively to be situated within the crown or turned down to position therebeneath to be in covering relation to the head, upper forehead, the ears and the rearward portion of the neck of a wearer. The inband will consist of an elongated piece of material continuous about the front, sides and portions of the rear of the crown and an expansible gore connecting end edges of the elongated piece, covering an upper portion of the neck, exerting a pull on said end edges and keeping said elongated piece in contact with the covered portions of the wearer. A cap made according to the invention additionally can include a visor upon and a lining within the crown.

In the accompanying drawings forming a part of this specification,

Fig. 1 is a front elevational view of a cap made according to the invention as when applied to use with the inband in turned down position;

Fig. 2 is a side elevational view of the disclosure of Fig. 1;

Fig. 3 is a perspective view of the cap as it would appear from beneath with the inband in turned down position;

Fig. 4 is an enlarged fragmentary plan view of the cap as it would appear from beneath with the inband at a position between its turned down and turned up positions;

Fig. 5 is a detail sectional view, taken on line 5—5 in Fig. 2;

Fig. 6 is a detail sectional view, taken on line 6—6 in Fig. 3;

Fig. 7 is a plan view of the inband as when in laid out, partially unfolded condition;

Fig. 8 is a detail sectional view, taken on line 8—8 in Fig. 7; and

Fig. 9 is a detail sectional view, taken on line 9—9 in Fig. 3.

The new and improved cap includes a crown **10** to be fitted upon the head of a wearer, a visor **11** extending forwardly from the front portion of the crown, a continuous turn-down inband **12** at the front, opposite sides and rear of said crown, and a continuous U-shape connecting strip **13** including a pair of legs **14, 15** and a fold

16 joining the legs **14, 15**. The connecting strip **13** is stitched, as at **17**, along the interior marginal edge of the crown and about the whole of the circumference thereof to have the fold **16** of the strip adjacent the lower edge of the crown and so that the legs **14, 15** thereof extend normally upwardly into the crown. The interior edge of the continuous turn-down inband **12** is stitched, as at **18**, between the legs **14, 15**. The inband selectively can be turned up into the crown against the inside surface thereof, or turned down, as in the drawings, in covering relation to the head, the forehead, the ears and the upper portion of the neck of a wearer of the cap.

The continuous turn-down inband **12** is constituted as an elongated piece of material **19** and an expansible gore **20**. The elongated piece **19** is continuous about the front, sides and portions of the rear of the crown and is adapted to extend, when the inband is turned down, over the upper forehead, ears and portions of the rear of the neck at the sides thereof. End edges of said elongated piece are denoted **21, 21**. The expansible gore **20** desirably can consist of customary fabric into which elastic material, such as threads of rubber, are interwoven. As shown, the expansible gore **20** is composed as a length of material bent upon itself, as at **22**, at an unsecured edge of the continuous turn-down inband. A binding strip **23** is stitched, as at **24**, to and continuously about the exterior edge of the elongated piece **19**.

Said elongated piece of material of the turn-down inband **12** is constituted as two separate plies, represented **25** and **26**, respectively, in superimposed relation, as disclosed in Figs. 5, 7, 8 and 9 of the drawings. The inner edge of the plies **25, 26** are straight and the inner edge portions of said plies of the elongated piece **19** are secured by the stitching **18** to and between the exterior edge portions of the legs **14, 15** of the connecting strip **13**, and the outer edge portions of said plies are secured by the stitching **24** between folds of the binding strip **23**. The ply **26** is a single piece of material as shown. The ply **25** also is continuous but constituted as two pieces of sewed together material. The outer edge of the elongated piece **19** is curvilinear at each side thereof and generally S-shaped to provide a relatively narrow forehead covering portion, a relatively wide ear covering portion and a narrowing rear covering portion. Each of the end edges **21, 21** of said elongated piece extends at an angle to the secured edge thereof.

The expansible gore **20** is situated centrally of the crown at the rear thereof and tapers in direction from its location of jointure with the crown to the outer edges of the elongated piece **19** of the turn-down inband. Each of the opposite side edges of each fold of the expansible gore is stitched, as at **28**, to the adjacent end edge portion of a ply, **25** or **26**, as the case may be, of the elongated piece **19**, and the opposite side edge portions of said expansible gore folds lie between said plies **25** and **26**, as clearly disclosed in Fig. 9. Edge portions of the folds of said expansible gore adjacent the crown are stitched, as at **27**, to and between the legs **14, 15** of the connecting strip **13**, as well as between the end edges **21, 21** of said elongated piece. The end edge portions of the plies **25, 26** are folded inwardly of the elongated piece **19** and the side edge portions of the folds of the expansible gore lie between the inwardly folded end edge portions of said plies **25, 26**. The stitching **18, 27** secures the end portions of the folds of the expansible gore **20** and the end portions of the plies **25, 26** of the elongated piece **19** in overlapping relation. The unse-

cured edge of the expansible gore, bent upon itself at 22, terminates flush with the curvilinear edges of the rearward end portions of the elongated piece of material to extend as a relatively smooth projection of the curvilinear side edges of said elongated piece.

The continuous turn-down inband 12 will be of width at the front thereof to lie in snug covering relation to the front and sides of the forehead, at the sides thereof to lie in snug covering relation to the ears and at the rear thereof to lie in snug covering relation to an upper portion of the rear of the neck of a wearer.

The expansible gore 20 will become partially stretched over the rear of the neck in direction transversely of the crown upon application of the cap to the head with the inband 12 turned down, and the stretched expansible gore will resiliently retain the full length of the binding strip 23 in engaged relation with the front and sides of the forehead, the opposite sides of the face beneath the ears and portions of the neck at opposite sides of said expansible gore. The ears of a wearer will lie within the ear covering portions. With movement of the head to different positions the inband will be capable of becoming increasingly stretched. No matter what may be the relative position of the head and neck of a wearer, the continuous inband and its binding strip will be snugly fitted. The expansible gore will expand in response to movements of the head which increase the circumference of the inband and contract with head movements which permit the circumference of the inband to become decreased. The inband of a cap made according to the invention can be readily and easily placed in covering relation to the head, ears and neck of a wearer.

Inasmuch as the turn-down inband 12 is continuous, the whole of the head of a wearer, the ears and the upper portion of the rear of the neck are completely covered and protected, it being here noted that an important purpose of a cap with turn-down inband is protection of parts of a wearer below the lower edge of the crown of a head covering when worn without turn-down inband.

The connecting strip 13 is incorporated in such a way that two thicknesses thereof are between the head and the crown of the cap when the inband is up and four thicknesses are so positioned when the inband is down. The thickness of the connecting strip is doubled when the inband is turned down. The additional bulk holds the cap and inband more snugly in place than would otherwise be the case. The action of the expansible gore will be effectively transmitted equally to all portions of the elongated piece and the cap will be held snugly in place.

What is claimed is:

1. A cap comprising a crown adapted to be fitted upon the head, a continuous U-shaped connecting strip including a pair of legs and a fold joining said legs to each other, said strip being secured along an interior marginal edge of the crown to have said fold adjacent the lower edge of said crown, said legs of said U-shaped strip extending normally upwardly into said crown, a continuous normally upwardly positioned turn-down inband secured along an edge thereof between the legs of said U-shaped connecting strip for the whole circumference thereof, said continuous turn-down inband being constituted as an elongated piece of material continuous about the front, sides and portions of the rear of said crown and an expansible gore at the rear of the crown, said elongated piece of material having a straight secured edge, a pair of end edges and on each side of the longitudinal center line of the crown a curvilinear outer edge generally S-shaped to provide a relatively narrow forehead covering portion, a relatively wide ear covering portion and a narrowing rear neck covering portion, said inband lying in snug covering relation to the head and ears and upper portion of the rear of the neck when extended downwardly from the crown, each of said end edges extending at an angle to the secured edge of said elongated piece of material, said expansible gore filling the space and extending between and being connected to said end edges and having an unsecured edge extending as a relatively smooth projection of the curvilinear outer edges of the elongated piece, and a binding strip secured to said curvilinear edges of the elongated piece of material, said elongated piece being constituted as two separate plies in superimposed relation, each of said plies being continuous across the front of the crown, and said expansible gore being constituted as a length of material folded down upon itself at its unsecured edge.

2. A cap comprising a crown adapted to be fitted upon the head, a continuous U-shaped connecting strip including a pair of legs and a fold joining said legs to each other, said strip being secured along an interior marginal edge of the crown to have said fold adjacent the lower edge of said crown, said legs of said U-shaped strip extending normally upwardly into said crown, a continuous normally upwardly positioned turn-down inband secured along an edge thereof between the legs of said U-shaped connecting strip for the whole circumference thereof, said continuous turn-down inband being constituted as an elongated piece of material continuous about the front, sides and portions of the rear of said crown and an expansible gore at the rear of the crown, said elongated piece of material having a straight secured edge, a pair of end edges and on each side of the longitudinal center line of the crown an outer edge generally tapered to provide a relatively narrow forehead covering portion, a relatively wide ear covering portion and a rear neck covering portion, said inband lying in snug covering relation to the head and ears and upper portion of the rear of the neck when extended downwardly from the crown, each of said end edges extending at an angle to the secured edge of said elongated piece of material, said expansible gore filling the space and extending between and being connected to said end edges and having an unsecured edge extending as a relatively smooth projection of the outer side edges of the elongated piece, and a binding strip secured to said outer edges of the elongated piece of material, said elongated piece being constituted as two separate plies in superimposed relation, each of said plies being continuous across the front of the crown, and said expansible gore being constituted as a length of material folded down upon itself at its unsecured edge.

3. The combination as specified in claim 2 wherein the end edge portions of the plies of said elongated piece are folded inwardly thereof, the side edge portions of the folds of said expansible gore lie between the inwardly folded end edge portions of said plies and the opposite side edges of each fold of the expansible gore are stitched to end edges of a ply of the elongated piece adjacent thereto.

4. A cap comprising a crown adapted to be fitted upon the head, a continuous U-shaped connecting strip including a pair of legs and a fold joining said legs to each other, said strip being secured along an interior marginal edge of the crown to have said fold adjacent the lower edge of said crown, said legs of said U-shaped strip extending normally upwardly into said crown, a continuous normally upwardly positioned turn-down inband secured along an edge thereof between the legs of said U-shaped connecting strip for the whole circumference thereof, said continuous turn-down inband being constituted as an elongated piece of material continuous about the front, sides and portions of the rear of said crown and an expansible gore at the rear of the crown, said elongated piece of material having a straight secured edge, a pair of end edges and an outer edge spaced from said straight secured edge to provide forehead, ear and rear neck covering portions, said inband lying in snug covering relation to the head, ears and upper portions of the rear of the neck when extended downwardly from the crown, each of said end edges extending at an angle to the secured edge of said elongated piece, said expansible gore filling the space and extending

between and being connected to said end edges and having an unsecured edge extending as a relatively smooth projection of said outer side edge of the elongated piece, and a binding strip secured to said outer edge of said elongated piece, the elongated piece being constituted as two separate plies in superimposed relation, each of said plies being continuous across the front of the crown, said expansible gore being constituted as a length of material folded upon itself at its unsecured edge, end edge portions of the plies of the elongated piece being folded inwardly thereof, side edge portions of the folds of the expansible gore lying between the inwardly folded end edge portions of said plies and opposite side edges of each fold of said expansible gore being stitched to the end edges of a ply of the elongated piece adjacent thereto.

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