Oct. 29, 1957 S. J. KENNEDY 2,810,913

ELASTICIZED ANTI-DRAFT HEADCOVERING

Filed April 3, 1956

Fig. 1.

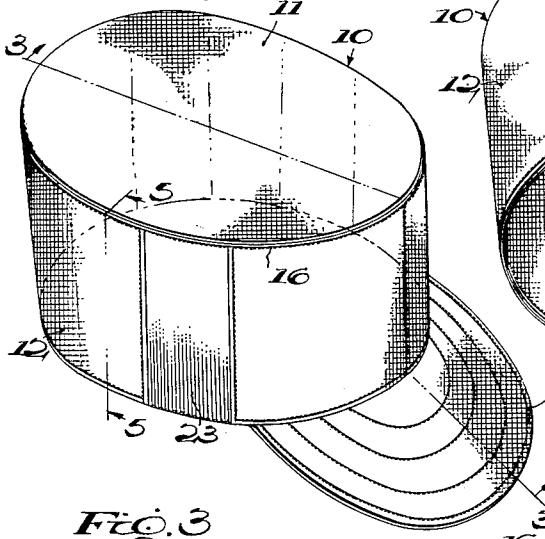


Fig. 2.

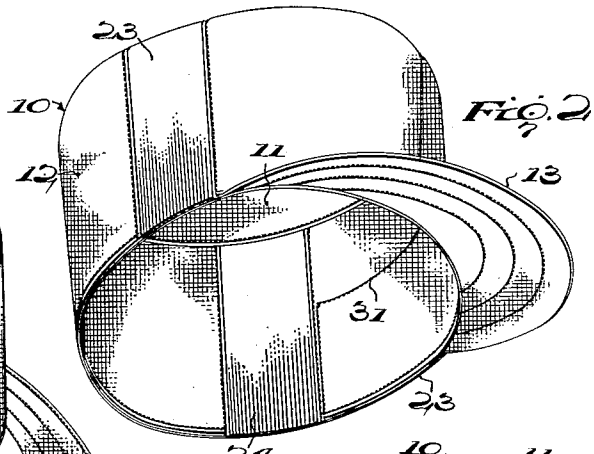


Fig. 3.

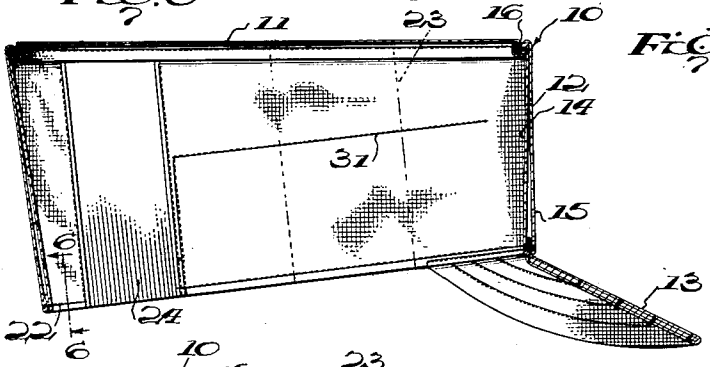


Fig. 4.

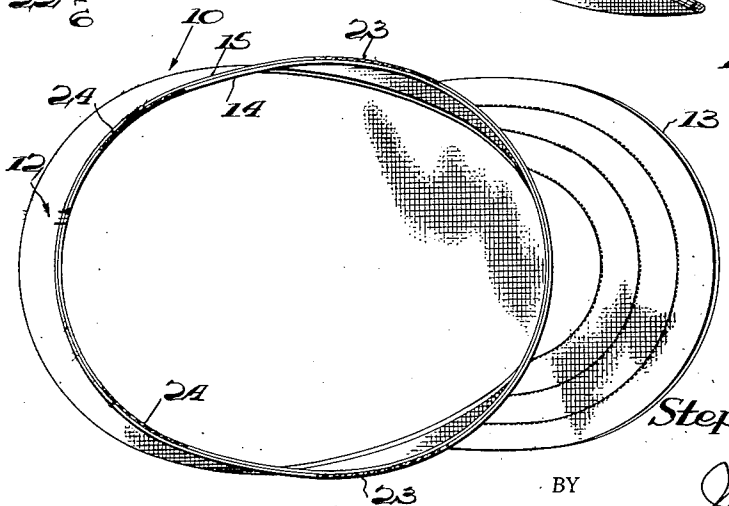


Fig. 5.

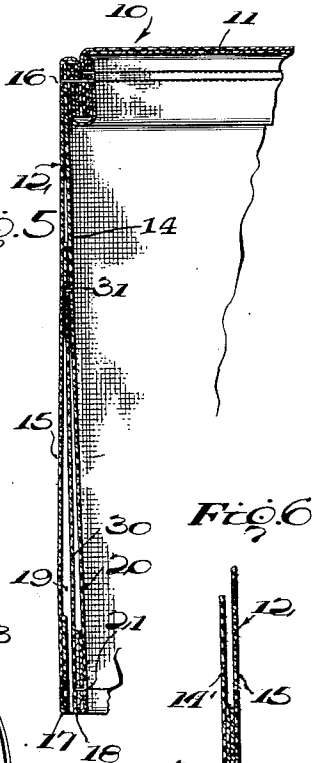


Fig. 6.

INVENTOR

Stephen J. Kennedy

BY

W. J. Eickelston

ATTORNEY

United States Patent Office 2,810,913 Patented Oct. 29, 1957

2,810,913

ELASTICIZED ANTI-DRAFT HEADCOVERING

Stephen J. Kennedy, Needham Heights, Mass., assignor to the United States of America as represented by the Secretary of the Army

Application April 3, 1956, Serial No. 575,919

10 Claims. (Cl. 2—195)

(Granted under Title 35, U. S. Code (1952), sec. 266)

The invention described herein, if patented, may be manufactured and used by or for the Government for governmental purposes, without the payment to me of any royalty thereon.

The invention relates to head coverings and more particularly to head coverings of the type which include one or more elastic inserts in the side wall area so as to allow one side of the head covering to fit heads of several different sizes.

Such head coverings are objectionable when used in cold weather because the elasticized knit fabric which forms the most satisfactory elastic insert particularly when stretched is highly pervious to air and permits the entry of drafts to the head whereby the wearer is more susceptible to head colds and like ailments. The desirability of providing means for barring the entry of drafts into such a head covering is obvious.

With the foregoing in view, it is an object of the invention to provide an improved elasticized cap which includes a novel means restricting the passage of air or drafts therethrough.

A further object is to provide an improved cap of this type wherein at least one section of the cap is of two ply construction with free lower edges, each ply including substantially impervious and pervious portions, one of said portions being elastic, and the impervious portions of the plies being entirely offset to provide a means restricting the passage of air or drafts therethrough.

Other objects and advantages reside in the particular structure and design of the invention, the construction and design of the several elements, combinations and subcombinations of such elements, all of which will be readily apparent to those skilled in the art upon reference to the attached drawing in connection with the following specification wherein the invention is shown, described and claimed.

In the drawing:

Figure 1 is a perspective view taken from above of a head covering including the invention;

Figure 2 is a view like Figure 1 but taken from below;

Figure 3 is a longitudinal, vertical sectional view taken substantially on the plane of the line 3—3 of Figure 1;

Figure 4 is a bottom plan view of the head covering;

Figure 5 is an enlarged, fragmentary, vertical sectional view taken substantially on the plane of the line 5—5 of Figure 1; and

Figure 6 is a view like Figure 5 but taken on the plane of the line 6—6 of Figure 3.

Referring specifically to the drawing wherein like reference characters designate like parts in all views, **10** designates any suitable head covering. In the embodiment illustrated, the head covering **10** comprises a cap and includes a visor **13** and a crown formed of a top piece **11** and side wall **12**. The top piece **11** and visor **13** may be of any suitable construction but the side wall **12** is preferably formed of two plies of substantially air impervious inelastic material. In at least one section of the side wall **12** the inner ply **14** and the outer ply **15** are connected together only along their upper edges by the top seam **16** so as to have free lower edges **17** and **18** defining an inverted, open pocket **19**. In the embodiment illustrated the cap **10** has two side sections so formed, one on each side of the visor **13**. Preferably and as best seen in Figure 5, the lower portion of each inner ply **14** of each pocket **19** is itself formed of two plies **20** and **30** which are seamed together along their lower edges as at **21**. The narrow ply **30** is between the plies **15** and **20**. Its upper edge is seamed to the inner ply **20** at **31**. Elsewhere in the side wall **12** on both sides of the pockets **19**, the inner ply **14'**, Figure 6, is preferably of single ply construction and connected to the outer ply **15** by the bottom edge seam **22** as well as the top seam **16**.

To elasticize the side wall **12**, each outer ply **15** of each pocket **19** includes an air pervious portion **23** of any suitable elastic material such as elasticized knit material. In like manner, each inner ply **14** of each pocket **19** includes an air pervious portion **24** of like material. The pervious portions **23** and **24** preferably extend the entire height of the side wall **12**. Also, such portions **23** and **24** are entirely offset to prevent passage of air through the side wall **12**. Preferably, the pervious portions **23** and **24** are offset substantial distances, at least as great as the width of each pervious portion. The most efficient arrangement is the one illustrated wherein the pervious portions **23** and **24** are offset as far as possible so that the outer portions **23** are at one end of the pockets **19** and the inner portions **24** are at the other ends of such pockets.

It follows from the foregoing that a single size of head covering according to the invention will readily adapt itself to heads of several sizes. At the same time, this unique means of the invention prevents the entry of cold air through the side wall **12** despite the pervious elasticizing portions **23** and **24**. In this connection, it should be noted that the pressure of the wearer's head against the side wall **12** effectively forces plies **14** and **15** together and closes each pocket **19** against the passage of air from an outer pervious portion **23** longitudinally of a pocket to the related inner pervious portion **24**. Thus, for all air passage purposes the pockets **19** do not exist. They are necessary to permit lateral sliding of the inner and outer plies relative to each other as the side wall **12** expands or contracts to fit heads of different sizes. At the same time, an impervious wall of double thickness has been provided in the sweat band area throughout substantially the entire side wall **12**. Moreover, while the cap shown is provided with two anti-draft sections at specific locations, it is obvious that fewer or more of such sections could be provided at different places.

Consequently, while there has been shown and described what is now considered to be a preferred embodiment of the invention, it should be understood that the same is susceptible of other forms and expressions. Thus, the invention is not limited to the precise structure and design shown and described hereinabove except as hereinafter claimed.

I claim:

1. An elasticized anti-draft head covering, comprising a side wall, said wall having at least one section comprising an inner ply and an outer ply, said plies having free lower edges whereby to form an open inverted pocket, each ply of said section comprising a substantially impervious and inelastic portion and a substantially pervious elastic portion, and said pervious elastic portions being entirely offset from each other to prevent the direct passage of drafts through said pervious portions.

2. An elasticized anti-draft head covering comprising a side wall, said wall having at least one section comprising an inner ply and an outer ply, said plies having

free lower edges so as to form an open inverted pocket, each ply of said section comprising a substantially impervious and inelastic portion and a substantially pervious elastic portion, said portions extending substantially the entire height of said side wall, and said pervious elastic portions being entirely offset from each other to prevent the direct passage of drafts through said pervious portions.

3. An elasticized anti-draft head covering comprising a side wall, said wall having at least one section comprising an inner ply and an outer ply, said plies having free lower edges so as to form an open inverted pocket, each ply of said section comprising a substantially impervious and inelastic portion and a substantially pervious elastic portion, said portions extending substantially the entire height of said side wall, said impervious portions being substantially wider than said elastic pervious portions, and said pervious elastic portions being entirely offset from each other to prevent the direct passage of drafts through said pervious portions.

4. An elasticized anti-draft head covering comprising a side wall, said wall having at least one section comprising an inner ply and an outer ply, said plies having free lower edges so as to form an open inverted pocket, each ply of said section comprising a substantially impervious and inelastic portion and a substantially pervious elastic portion, said portions extending substantially the entire height of said side wall, said impervious portions being substantially wider than said elastic pervious portions, and said pervious elastic portions being offset from each other a distance at least as great as the width of each elastic section to prevent the direct passage of drafts through said pervious portions.

5. An elasticized anti-draft head covering, comprising a side wall, said wall having at least one section comprising an inner ply and an outer ply, said plies having free lower edges whereby to form an open inverted pocket, each ply of said section comprising a substantially impervious and inelastic portion and a substantially pervious elastic portion, said elastic portions being substantially narrower than said impervious portions, and said elastic portions being sufficiently offset from each other to provide therebetween a wall section formed of parts of said impervious portions of said inner and outer plies.

6. An elasticized anti-draft head covering, comprising a side wall, said wall including opposite side sections, each section comprising an inner ply and an outer ply, said inner and outer plies of said side sections having free lower edges, each side section being an open inverted pocket, each ply of each side section comprising a substantially impervious inelastic portion and a pervious elastic portion, and said pervious elastic portions of each ply of said side sections being entirely offset from each other to prevent the direct passage of drafts through said pervious portions.

7. An elasticized anti-draft cap comprising a crown and a visor, said crown comprising a front section coextensive in width to said visor and comprising at least one ply of impervious inelastic material, said crown including a rear section likewise comprising at least one ply of impervious inelastic material, said crown including a side section on either side of said visor and connecting said front and rear sections together, each side section comprising an inner ply and an outer ply, said inner and outer plies of said side sections having free lower edges, each side section being an open inverted pocket, each ply of each side section comprising a substantially impervious inelastic portion and a pervious elastic portion, and said pervious elastic portions of each ply of said side sections being entirely offset from each other to prevent the direct passage of drafts through said pervious portions.

8. An elasticized anti-draft head covering, comprising a side wall, said wall including opposite side sections each comprising an inner ply and an outer ply, said inner and outer plies of said side sections having free lower edges, each side section being an open inverted pocket, each ply of each side section comprising a substantially impervious portion and a pervious portion, said pervious portions of each ply of said side sections being entirely offset from each other to prevent the direct passage of drafts through said pervious portions, and one portion of each ply being elastic.

9. An elasticized anti-draft head covering, comprising a side wall, said wall including opposite side sections each comprising an inner ply and an outer ply, said inner and outer plies of said side sections having free lower edges, each side section being an open inverted pocket, each ply of each side section comprising a substantially impervious portion and a pervious portion, said pervious portions of each ply of said side sections being entirely offset from each other to prevent the passage of drafts through said pervious portions, and portions of like characteristics in each ply being elastic.

10. An elasticized anti-draft head covering, comprising a side wall, said wall including opposite side sections each comprising an inner ply and an outer ply, said inner and outer plies of said side sections having opposite ends and free lower edges, each side section being an open inverted pocket, each ply of each side section comprising a substantially impervious inelastic portion and a pervious elastic portion, said pervious elastic portions of each side section being located at opposite ends of said inner and outer plies and said pervious elastic portions of each ply of said side sections being entirely offset from each other to prevent the direct passage of drafts through said pervious portions.

References Cited in the file of this patent

UNITED STATES PATENTS

857,258	Rosenbaum	June 18, 1907
1,512,316	Sherman	Oct. 21, 1924
1,755,293	Goldstein	Apr. 22, 1930

FOREIGN PATENTS

391,569	France	Sept. 1, 1908