

Feb. 19, 1946.

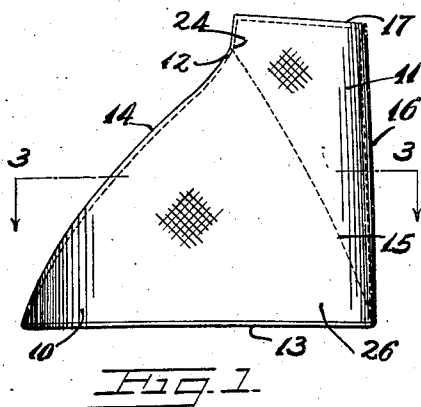
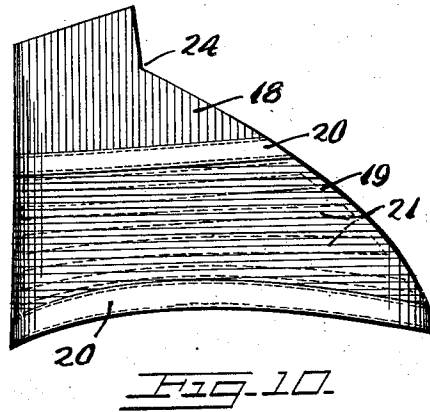
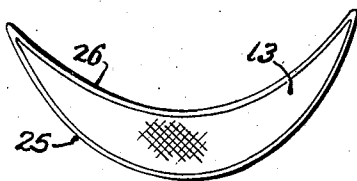
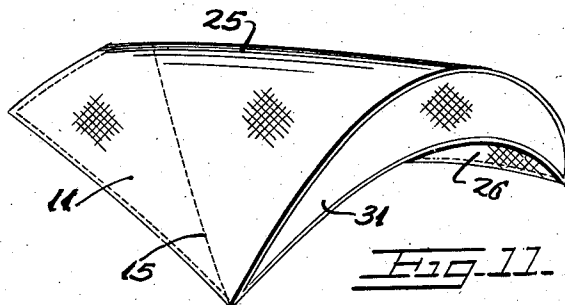
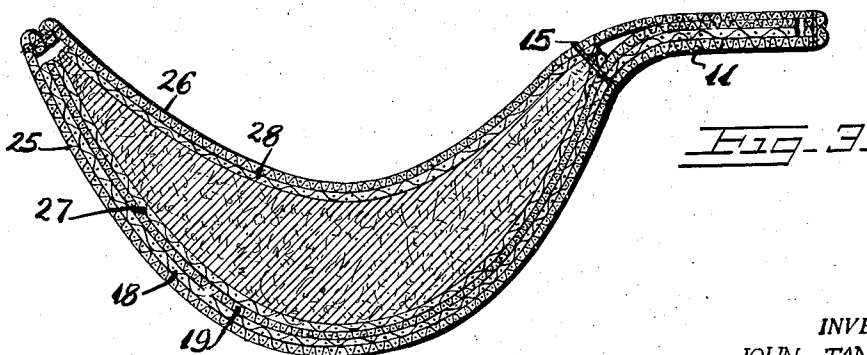
J. TANGORRA

2,395,024

SHOULDER PAD

Filed Dec. 5, 1944

2 Sheets-Sheet 1



INVENTOR.
JOHN TANGORRA
BY *John A. Polach*
ATTORNEY

Feb. 19, 1946.

J. TANGORRA

2,395,024

SHOULDER PAD

Filed Dec. 5, 1944

2 Sheets-Sheet 2

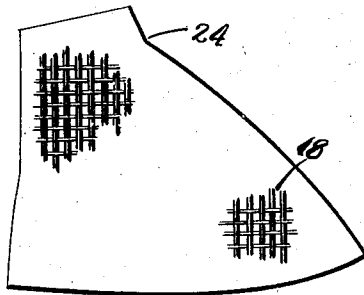


Fig. 4.

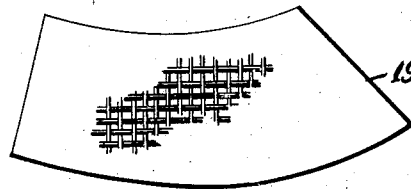


Fig. 5.

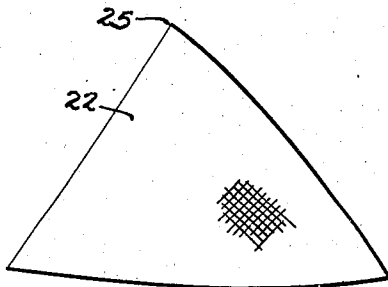


Fig. 6.

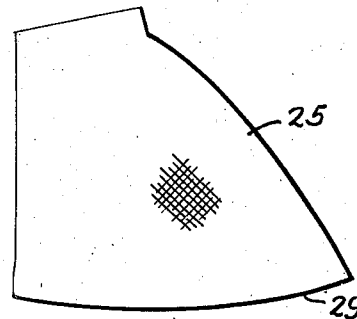


Fig. 7.

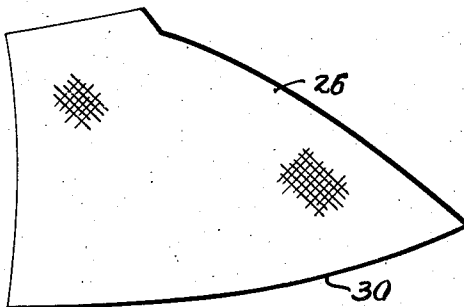


Fig. 8.

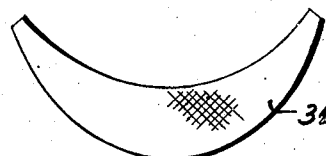


Fig. 9.

INVENTOR.
JOHN TANGORRA

BY

John H. H. H. H.
ATTORNEY

UNITED STATES PATENT OFFICE

2,395,024

SHOULDER PAD

John Tangorra, Brooklyn, N. Y.

Application December 5, 1944, Serial No. 566,652

8 Claims. (Cl. 2—268)

This invention relates to new and useful improvements in a shoulder pad for a coat, jacket or other type of garment.

More specifically, it is proposed to provide a shoulder pad including sheets of hair cloth made of woven horsehair and thread and shaped to better fit the shoulders of a person wearing a garment provided with the shoulder pads.

Still further, it is proposed to provide a shoulder pad of the aforesaid type in which the padded portion is triangular in shape with the apex of the triangle toward the wearer's neck, the pad having a forward flap portion adapted to cover the front of a person's shoulder.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a plan view of a shoulder pad adapted to be used on a person's right shoulder and constructed in accordance with this invention.

Fig. 2 is a side view of the pad.

Fig. 3 is a section on the line 3—3 of Fig. 1.

Fig. 4 is a view of a sheet of hair cloth used in making the pad.

Fig. 5 is a view of another sheet of hair cloth adapted to be superposed on the corresponding portion of the sheet of Fig. 4.

Fig. 6 is a view of the padding sheet of cotton and cloth of the pad.

Fig. 7 is a view of the top outer sheet of cloth of the pad.

Fig. 8 is a view of the bottom outer sheet of cloth of the pad.

Fig. 9 is a view of the sheet of cloth which covers the outer end of the pad.

Fig. 10 is a view of the two sheets of hair cloth, showing how they are sewed together.

Fig. 11 is a perspective view of the shoulder pad.

The shoulder pad, according to this invention includes a triangular portion 10 adapted to pad a garment, and an extension 11. The portion 10 is thickest along its center line extending from the apex 12 to the middle of the base 13 of the triangle. It tapers in opposite directions from this center line. The portion 10 has, besides the base 13 (best shown in Fig. 2) a rear edge 14 and a front edge defined by a row of stitches 15. The extension 11 has a rear edge defined by the row of stitches 15 and a front edge 16. The remain-

ing edge 17 of the pad is adapted to be positioned adjacent the neck of the garment.

The shoulder pad shown in the drawings is adapted to pad the right shoulder of a garment, with the extension 11 at the forward side of the garment. The right shoulder pad will be similar but reversed in shape. The novel features of the present invention can be best understood from a description of the construction of the shoulder pad, which is as follows:

A sheet of hair cloth 18 of the shape shown in Fig. 4 is first formed. Hair cloth is cloth which has threads of cotton, rayon or the like running in one direction and horsehairs running in the other direction, the horsehairs forming flexible stiffening members. Other materials may be used as a substitute for the horsehairs, if desired, such as relatively heavy nylon or other plastic threads. The horsehairs run vertically as viewed in Fig. 4 and the threads run horizontally.

Another sheet of hair cloth 19, of a shape shown in Fig. 5, is superposed on the bottom of the sheet 18, as is best shown in Fig. 10, and is secured thereto along the top and bottom edges by tape 20 sewed thereto, and by stitches 21 running back and forth horizontally across the two sheets. Thus the bottom or outer end of the pad is stiffened by two sheets of hair cloth while the top or inner end is stiffened by only one sheet. Moreover, the horsehairs of sheet 19 run horizontally so that they cross the hairs of sheet 18 when superposed thereon.

The padding of the shoulder pad is formed by a triangular wad of cotton lined on one side by heavy gauze and on the other side by muslin, the heavy gauze being adjacent the hair cloth and further acting as stiffening means. This padding is shown in Fig. 6 and indicated by the numeral 22. It forms the interior of the pad triangular portion 10. The apex 23 of the padding is positioned at the point 24 on the horsehair sheet 18, forming the aforementioned apex 12.

After the padding 22 has been superposed on the double horsehair sheet shown in Fig. 10 and formed as aforesaid by the sheets 18 and 19, it is sewed thereto and then this structure is covered on opposite sides by sheets of black cloth 25 and 26, shown respectively in Figs. 7 and 8. Sheet 26 is smaller than sheet 25. Similarly, the two sheets of the padding 22, namely the gauze sheet 27 and the muslin sheet 28 are of different size, the muslin being the smaller. Thus the finished shoulder pad is curved with the hair cloth upward on the concave side and the muslin downward on the convex side. The stitches 15 are

made after the sheets 25 and 26 have been sewed in place. The finished pad is best shown in Figs. 1 and 11. The base edges 29 and 30 of the sheets 25 and 26 respectively are connected by a sheet of black cloth 31, best shown in Fig. 9.

The pad constructed as aforescribed has many advantages over the well known types of shoulder pads now in use. The edge 16 of the extension runs substantially true horizontally when worn by a person so that it, together with the extension 11, provides a smoothness at the front of the garment at the shoulder, preventing wrinkling and bunching such as usually occurs where a shoulder pad has only the padded portion. It will be noted that extension 11 is not padded but is stiffened by the horsehairs, and it is stiffened less adjacent the neck than it is adjacent the arm, which is proper for best action. Furthermore, in the portion of the pad having the double layer of hair cloth with the hairs crossing, sagging of the pad is prevented as any sagging tendency is uplifted by the support of the hairs of one sheet of cloth on the hairs of the other sheet.

A further advantage of the shoulder pad of the present invention is that the portion near the neck can bend freely in one direction (the direction the hairs run in) but cannot bend freely in the opposite direction, whereas in the portion having the double hair cloth construction, the pad cannot bend freely in any direction. Thus this double construction provides, for all practical purposes, a wrinkle-proof padding preventing the pad from getting out of shape.

While I have illustrated and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

1. A shoulder pad comprising a curved triangular body of padding material, a sheet of hair cloth adjacent the outer concave side of said body with the hairs of said cloth running perpendicular to the base of said body and with threads of said cloth running parallel to said base, said sheet having an extension beyond said body, a cover for said sheet and body, and a row of stitches through said cover and sheet along the inner edge of said body.

2. A shoulder pad comprising a triangular body of padding material having a wad of cotton, a gauze liner on one side of said wad and a muslin liner on the other side of said wad, a sheet of hair cloth adjacent the outer side of said body and engaging said gauze liner with the hairs of said cloth running perpendicular to the base of said body and with the threads of said cloth running parallel to said base, said sheet having an extension beyond said body, and a cover for said sheet and body.

3. A shoulder pad comprising a triangular body of padding material, a sheet of hair cloth adjacent the outer side of said body with the hairs of said cloth running perpendicular to the base of

said body and with the threads of said cloth running parallel to said base, said sheet having an extension beyond said body, another sheet of hair cloth superposed on said first mentioned sheet outwardly of the apex of said body only, and a cover for said sheet and body.

4. A shoulder pad comprising a triangular body of padding material, a sheet of hair cloth secured to said body with the hairs of said cloth running perpendicular to the base of said body and with the threads of said cloth running parallel to said base, said sheet having an extension beyond said body, another sheet of hair cloth secured to said body and first mentioned sheet and having its hairs perpendicular to said hairs of said first mentioned sheet, and a cover for said sheet and body.

5. A shoulder pad comprising a triangular body of padding material, a sheet of hair cloth secured to said body with the hairs of said cloth running perpendicular to the base of said body and with the threads of said cloth running parallel to said base, said sheet having an extension beyond said body, another sheet of hair cloth secured to said body and to a part of first mentioned sheet only, and having its hairs perpendicular to said hairs of said first mentioned sheet, and a cover for said sheet and body.

6. A shoulder pad comprising a triangular body of padding material with its base at the outer end of said pad, a sheet of hair cloth secured to said body with the hairs of said cloth running perpendicular to the base of said body and with the threads of said cloth running parallel to said base, said sheet having an extension inwardly of said body, another sheet of hair cloth secured to said body and the portion of said first mentioned sheet outwardly of said extension and having its hairs perpendicular to said hairs of said first mentioned sheet, and a cover for said sheet and body.

7. A shoulder pad comprising a triangular curved body of padding material, a large sheet of hair cloth secured to the concave side of said body with the hairs of said cloth running perpendicular to the base of said body and with the threads of said cloth running parallel to said base, said sheet having an extension beyond said body, a small sheet of hair cloth secured to said body and to a portion only of said first mentioned sheet and having its hairs perpendicular to said hairs of said first mentioned sheet whereby a part of said pad is stiffened by a single layer of hairs and another part is stiffened by a double layer of hairs, and a cover for said sheet and body.

8. A shoulder pad comprising a triangular curved body of padding material, a large sheet of hair cloth secured to the concave side of said body with the hairs of said cloth running perpendicular to the base of said body and with the threads of said cloth running parallel to said base, said sheet having an extension beyond said body, a small sheet of hair cloth secured to said body and to a portion only of said first mentioned sheet and having its hairs perpendicular to said hairs of said first mentioned sheet whereby a part of said pad is stiffened by a single layer of hairs and another part is stiffened by a double layer of hairs, and a cover for said sheet and body, said hairs of said double layer crossing each other.

JOHN TANGORRA.