Nov. 13, 1951 E. D. GERRY 2,574,637

SHOULDER PAD

Filed Oct. 10, 1946

Fig. 4

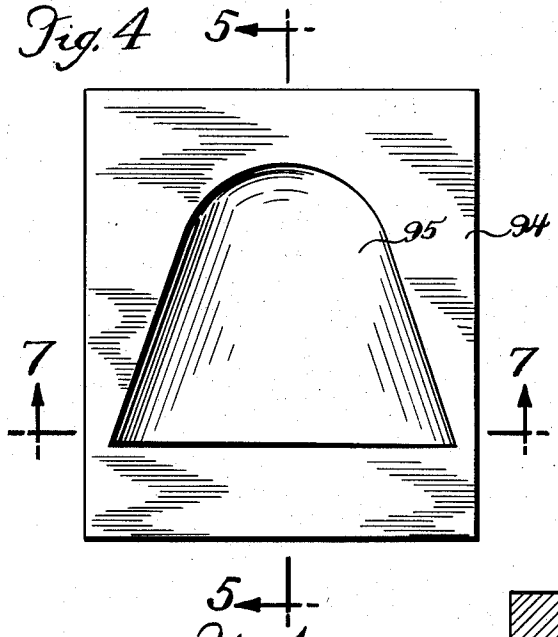


Fig. 1

Fig. 2

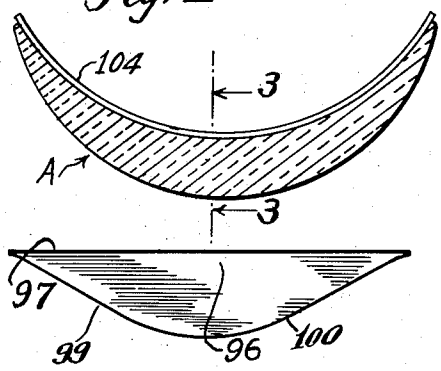
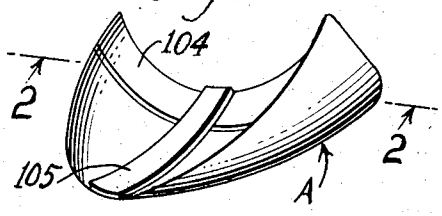


Fig. 6



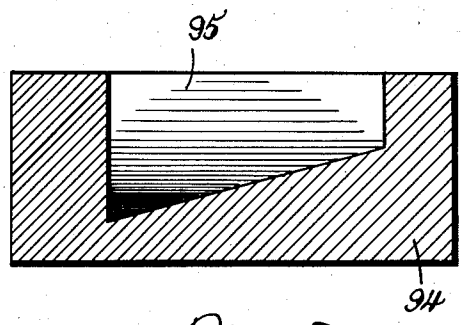


Fig. 5

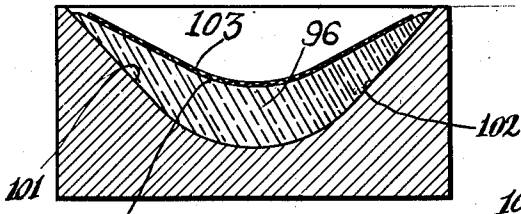


Fig. 7

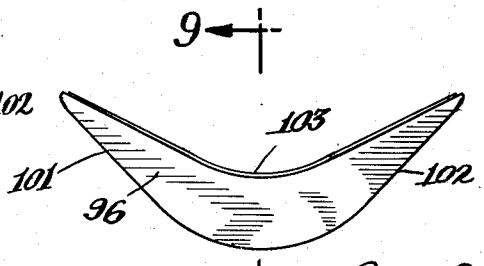


Fig. 8

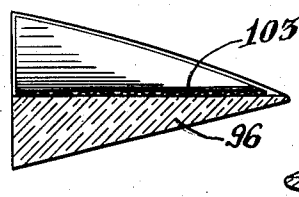
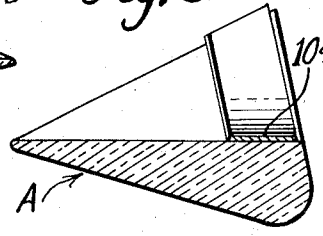


Fig. 9

Fig. 3



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SHOULDER PAD

Everett D. Gerry, New York, N. Y.

Application October 10, 1946, Serial No. 702,551

1 Claim. (Cl. 2—268)

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This invention relates generally to apparel pads but more specifically to shoulder pads.

The main object of the invention resides in the provision of a light, resilient, economical and durable shoulder pad body adapted to be supplied with or without a cover member to clothing manufacturers, consumers and tailors in various sizes and shapes and which is adapted for application to articles of clothing of various grades, designs and qualities.

A further object of the invention resides in the provision of a resilient shoulder pad body construction which lends itself to the retention of shape, condition of pliability and elasticity. The shoulder pad body as described may be provided with a fluid-tight and air-tight cover for attachment to a garment to augment protection against steaming, moistening, dry cleaning fluids and heat attendant upon cleaning and pressing of the garment to which the pad is attached.

A further object of the invention resides in the provision of a shoulder pad body which gives the shoulders of garments smoothness and symmetry.

Other objects of the invention reside in the efficiency, economical manufacture, durability and sanitation of the shoulder pad body.

These objects and other incidental ends and advantages of the invention will hereinafter appear in the progress of the disclosure and as pointed out in the appended claim.

Accompanying this specification are drawings showing preferred forms of the invention wherein:

Figure 1 is a view in perspective showing a shoulder pad body provided with means applied by the said device for creating a desired curvature along both axes of the shoulder pad body.

Figure 2 is a sectional view of Figure 1 across the plane 2—2 thereof.

Figure 3 is a sectional view of the shoulder pad body across the plane 3—3 of Figure 2.

Figure 4 is a plan view of a mold for introducing a shoulder pad body to effect a curvature of the flat wall.

Figure 5 is a sectional view of Figure 4 across the plane 5—5 thereof.

Figure 6 is an end view in elevation of the shoulder pad body before introduction into the mold shown in Figure 4.

Figure 7 is a sectional view of Figure 4 across the plane 7—7 thereof showing a shoulder pad body compressed therein with means applied to the shoulder pad body for retaining the curvature of the original flat wall of the shoulder pad body.

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Figure 8 is an end view in elevation of the shoulder pad body removed from the mold and showing the means for retaining a curvature thereon.

Figure 9 is a sectional view of Figure 8 across the plane 9—9 thereof.

Shoulder pad body A as shown in Figures 1–3 shows a non-resilient strip of fabric or other non-resilient material 104 adhesively secured on the shoulder-engaging face adjacent the transverse edge thereof, said strip causing and retaining a curvature along the transverse axis. Strip 105 lies along the other axis of shoulder pad body A on the shoulder-engaging face and causes and retains a curvature along the said axis.

In the embodiment of the invention shown in Figures 4–9, numeral 94 represents a mold block having a recess 95 in the shape of a conic section taken along the conic axis. The shoulder pad body 96 having a flat shoulder-engaging face and being larger than the recess 95 is compressed when forced therein and assumes the shape shown in Figure 13 wherein the upper flat wall 97 of shoulder pad body 96 is curved as at numeral 98 and wherein the curved side walls 99 and 100 of the pad body are given a greater curvature as at numerals 101 and 102. When the pad body is thus compressed within the recess 95 of mold 94 a fabric piece 103 containing an adhesive thereon may be applied to the upper curved surface 98 of the shoulder pad body while compressed in mold 94. Following any required drying period, the pad is removed from mold 94 and thereafter retains its curved formation.

Blocks having recesses of various sizes may be used, and if desirable a male die carrying the fabric and having a desired curvature may be utilized to impress such curvature on the pad body disposed within the recess.

It is distinctly understood that minor variations and modifications in the construction of the completed shoulder pad body may be resorted to without departing from the spirit of the invention and the scope of the appended claim.

I claim:

A shoulder pad of substantially triangular shape comprising a resilient, integral body having a normally convex upper surface and tapering along the side edges from the base, a strip of non-resilient material adhesively secured to the lower surface adjacent the transverse edge of said base to retain said lower surface in concaved condition about an axis normal to said base, and a second strip of non-resilient material adhesively

secured to the lower surface along the mid-portion from base to apex of said body to retain said lower surface in concaved condition about an axis normal to said first mentioned axis, thereby providing two curvatures conforming to the shoulder surface of a wearer.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
641,526	Lowenthal	Jan. 16, 1900
2,172,499	Chassaing	Sept. 12, 1939
2,329,496	Walcoff	Sept. 14, 1943
2,400,210	Royce	May 14, 1946
2,421,895	Leebow	June 10, 1947
2,422,161	Zacks	June 10, 1947