Dec. 19, 1961 C. T. MAXWELL 3,013,276

CONSTRUCTION FOR A SLEEVED GARMENT

Filed May 20, 1959 2 Sheets-Sheet 1

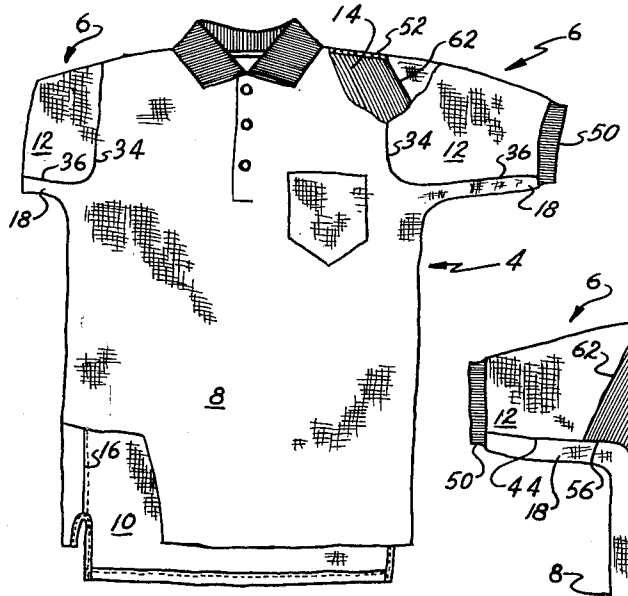


Fig. 1.

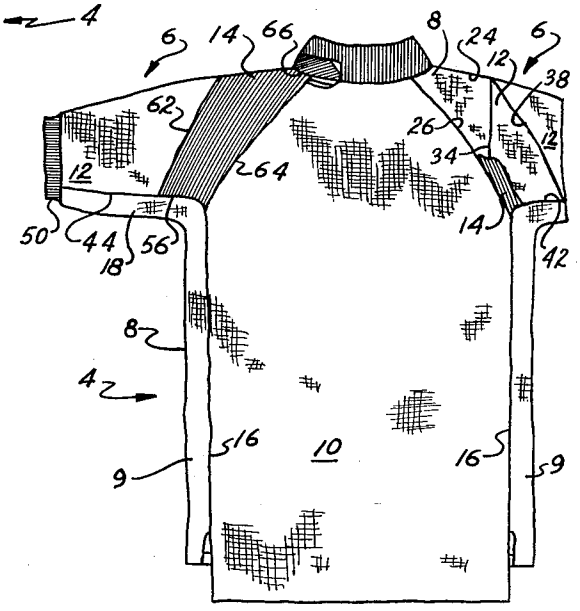


Fig. 2.

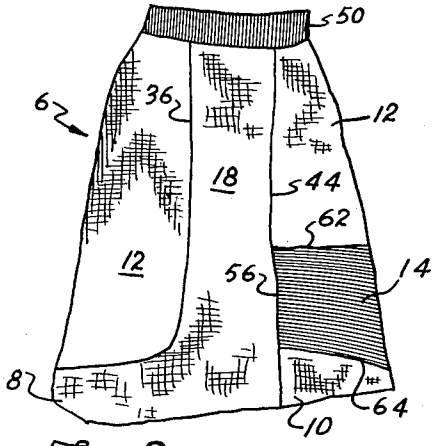


Fig. 3.

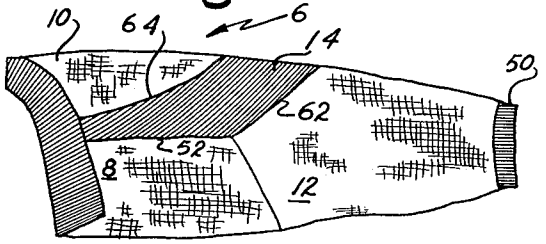


Fig. 4.

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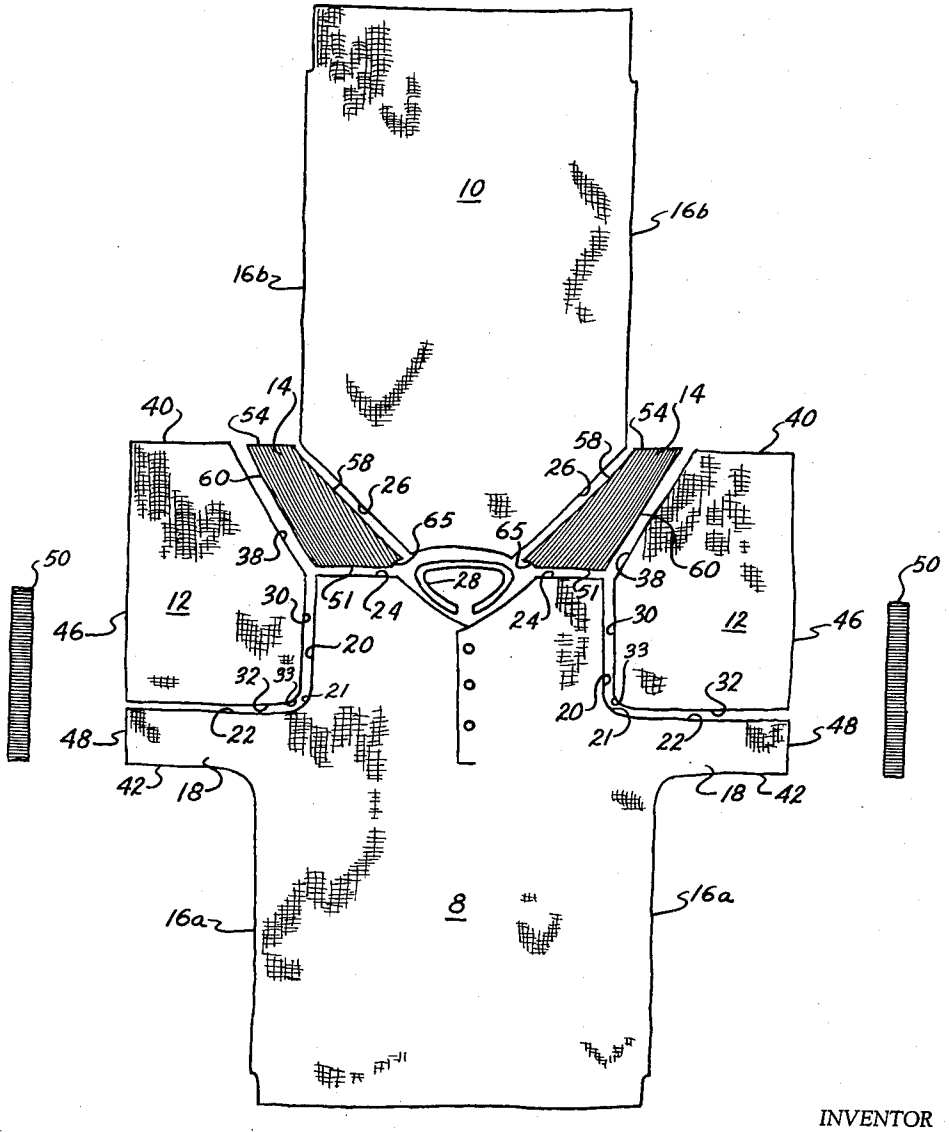


Fig. 5.

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CONSTRUCTION FOR A SLEEVED GARMENT

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1 Claim. (Cl. 2—115)

This invention relates to sleeved garment construction and particularly to sport shirt construction which permits the wearer substantially unrestricted freedom of arm movement.

The principal object of this invention is to provide an improved construction for a sleeved garment enabling unrestricted arm movement and eliminating a major cause of irritation and chafing to the underarm of the wearer.

Another object of this invention is to provide a sleeved garment of the above type which is of simple construction.

The above and other objects and advantages of this invention will be apparent from the following description and with reference to the drawings.

In the drawings:

FIG. 1 is a front view of a sport shirt embodying this invention and with portions cut away;

FIG. 2 is a view of the back of the shirt shown in FIG. 1, and with portions cut away;

FIG. 3 is a view showing the underarm construction of this shirt;

FIG. 4 is a view showing the shoulder construction of the shirt; and

FIG. 5 is a pattern type view showing the panels which form the shirt.

Referring now in detail to the drawings, FIG. 1 shows one type of sport shirt embodying this invention. The shirt is fabricated of a suitable material and includes a body portion 4 and sleeves 6. While the shirt illustrated has short sleeves, this invention is equally applicable to shirts having long sleeves.

As best seen in FIG. 5, the shirt comprises a front panel 8, back panel 10, two sleeve sections or panels 12, and two shoulder insets 14. The front panel is of sufficiently greater width than the back panel so that seams 16, FIG. 2, joining side edges 16*a* of the front panel to side edges 16*b* of the back panel are located completely on the back of the shirt. The font panel 8 thus provides not only the front, but also the side portions of the garment.

The front panel 8 is cut to the shape indicated in FIG. 5 and includes extensions or strips 18 which extend integrally from the side edges 16*a* of the panel. These strips provide the underarm portions of the garment sleeves 6, as best shown in FIG. 3. The panel 8 is also provided with armhole edge portions 20 which extend upwardly from curved edges 21 to shoulder edges 24. The curved edges 21 fair with the upper side edges 22 of the strips 18. The armhole edges 20 are disposed inwardly of the side edges 16*a* of the front panel.

The back panel 10 includes armhole edge portions 26 which taper inwardly from the side edges 16*b* to the neckband edge of the back panel. A neckband 28 is shown in FIG. 5.

The sleeve sections or panels 12 are cut generally to the shape indicated in FIG. 5 and include edge portions 30 and 32 joined by a curved edge portion 33. These edges are attached to the edges 20, 21 and 22 on the front panel by means of seams 34 and 36, shown in FIG. 1. Each of the sleeve sections 12 includes an edge 38 which tapers outwardly from the shoulder edge 24 of the front panel 8 terminating at edge 40. The edge 40 is of shorter length than lower edges 42 of strips 28. The edges 40 are joined to the outer portions of the edges 42 by seams

44, FIGS. 2 and 3. The outer ends 46 and 48 of the sleeve panels 12 and strips 18 are connected to binding strips 50.

With the front and back panels connected together by seams 16, and the sleeve panels 12 secured to the opposite side edges of the strips 18 in a manner described, edges 38 of the panels 12 are spaced outwardly of the edges 26 of the back panel. As shown in FIG. 2 this leaves an opening in the back of the garment which is defined by edges 24, 38, 26, and the inner portion of edge 42. The insets 14 are secured to the edges defining this opening.

As shown in FIG. 5, the insets 14 include edges 51 adapted to mate with the edges 24 of the front panel; these edges being joined together by shoulder seams 52, FIGS. 1 and 4. The insets further include edges 54 which are of a length approximately equal to the free inner portion of the edge 42 of extension 18. These edges are joined together by seams 56 shown in FIGS. 2 and 3. Other edges 58 and 60 of the insets 14 are attached to opposing edges 26 and 38 respectively by seams 62 and 64, FIG. 2. The free edge portion 65 of the insets are joined to the neckband 28 by seams 66, FIG. 2.

The construction of this garment locates the stretch insets 14 in the back of the garment such that they are not only part of the sleeve construction but also part of the garment body. The insets are cut from a stretch material which is highly flexible in nature. This results in a shirt construction which permits substantially unrestricted arm movement. However, the front of the shirt presents a clean uncluttered appearance since the stretch insets are wholly located on the back of the shirt. This appearance is further enhanced by the fact that the body seams 16 are also located on the back of the shirt.

As shown in FIGS. 1, 2 and 3, the underarm portions of this garment are of seamless construction; the seams 36 and 44—56 being located on the front and back portions respectively of the sleeves 6. This construction eliminates a source of irritation to the underarm of the wearer.

Having thus described this invention, what is claimed is:

Sleeved garment construction comprising a single piece front panel member having integral armpit and underarm extension strip portions lying outwardly and laterally from the upper section and at each side thereof, said panel member having upper parallel vertical side edge portions disposed at the front of the shirt above said strip portions, the top edge of said panel having a centrally cut collar portion with shoulder top seam edges at each side thereof, and integral side portions below said strip portions extending rearwardly and reversely to lie with their edges in parallel oppositely facing relation inwardly of the side edges at the back of the garment; a back panel member with parallel side edges and vertical seams joining the said parallel edges of the front and back panels, the upper edges of said back panel above said seams being convergent and terminating in a rear collar section opposed to said central collar section of the front panel; sleeve sections joined to the upper edge of each of said underarm extensions at the front of the garment, the adjacent upper side edge of the front panel and to the outer portion of the lower edge of said underarm extension, the inner edge of said sleeve section at the back of the garment being in spaced relation to the said upper edges of the back panel from the outer ends of each top shoulder seam edge of the front panel; inset sections of elastic stretch material joined to said top seam edges of the front panel, to the spaced sleeve and back panel edges, and to the inner portions of said lower edges of the underarm portions above the armpit area thereof; and a neckband joined to the collar portions of said panels and the corners of said inset sections

between said panels, said elastic insets providing stretchable areas substantially overlying each shoulder area at the back of the garment from the top of the shoulders to the edges of the armpit areas for unrestricted arm movement.

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