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D. W. KATZ

2,191,169

MEN'S SHORTS

Filed Sept. 26, 1938

Fig. 1.

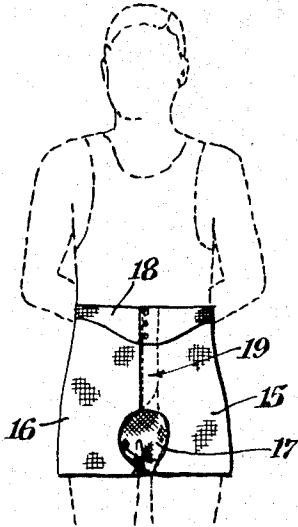


Fig. 2.

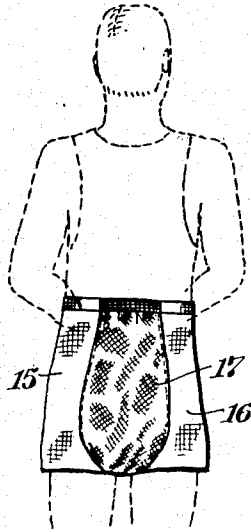


Fig. 5.

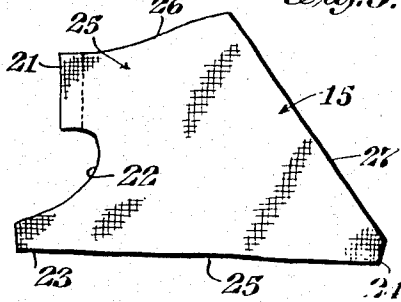


Fig. 6.

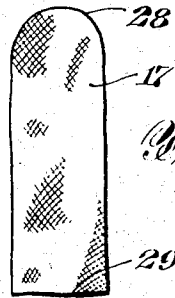


Fig. 3.

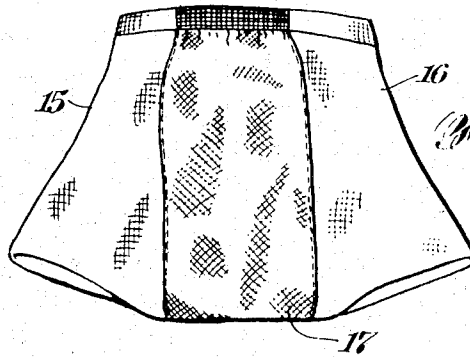
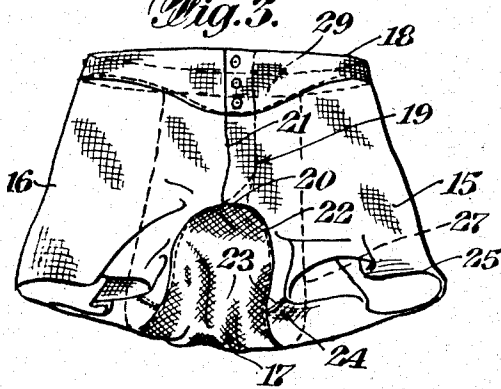


Fig. 4.

Fig. 7.

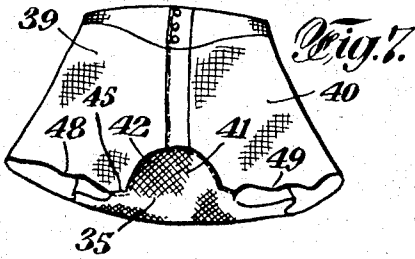


Fig. 8.

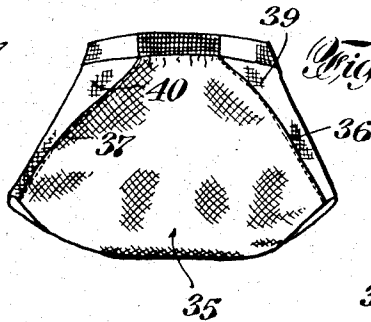


Fig. 10.

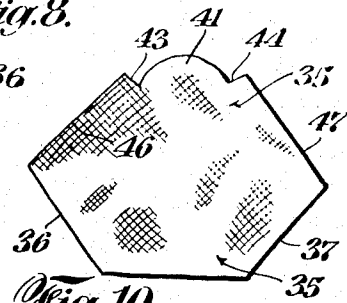
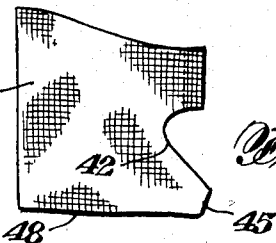


Fig. 9.



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# UNITED STATES PATENT OFFICE

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## MEN'S SHORTS

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Application September 26, 1938, Serial No. 231,641

1 Claim. (Cl. 2—224)

This invention relates to men's shorts, and particularly to loose-fitting undergarments of this category made of substantially non-elastic material such as loom fabrics and provided with a high fly front.

Men's shorts of this type generally have two independent leg portions extending upwardly towards the crotch of the wearer in a substantially inverted V-formation, and joined to a middle back portion to form the apex of the inverted V at a point below the fly but considerably above the lower terminal edges of the leg portions. Although this is the conventional structure almost exclusively employed, it is nevertheless known to possess certain shortcomings which have heretofore been accepted as necessary evils. The said V-shaped formation does not, because of its very construction, afford sufficient room for the male wearer, causing him general discomfort. This condition is considerably aggravated by the fact that there is an accumulation of seams and bunching of material at the apex of the inverted V, which is, in the conventional garments referred to, in the direct region of the crotch,—thereby causing chafing and considerable irritation to the wearer.

It is primarily to overcome the aforesaid shortcomings in men's garments of the class described that I have conceived this invention which presents a structure wherein the objectionable inverted V crotch is eliminated and the seams disposed at regions remote from the immediate vicinity of the crotch, and providing sufficient room for comfort.

In conventional shorts containing the above-referred to V-shaped crotch, the apical portion of the garment is almost always in contact with the wearer, generally causing a very rapid wearing out of such portion and requiring frequent mending or replacement thereof. It is also another object of this invention to obviate this danger by eliminating in shorts of this character, any crotch portion in close proximity to the male's anatomy in such region.

It is a further object of my invention to permit considerable freedom of movement of the wearer without the use of elastic material, a result which is readily made possible in the garment of my invention by disposing the necessary middle portion thereof at a bias to permit vertical and horizontal flexing of the portion underlying the crotch.

And another object of this invention is to provide a relatively simple, readily fabricated

and inexpensive garment to accomplish the aforesaid results.

Other objects, features and advantages will appear from the drawing and the description hereinafter given.

Referring to the drawing, Figure 1 is a front view of a pair of shorts containing my invention, illustrating its position on the figure of a man represented by dash lines.

Figure 2 is a rear view of Figure 1.

Figure 3 is a somewhat detailed front view representation of a pair of shorts containing my invention, showing the various pieces constituting the garment.

Figure 4 is a rear view of the garment of Figure 3.

Figure 5 is a pattern of one of the leg portions of the garment of Figure 3.

Figure 6 is a pattern of the middle portion of the garment of Figure 3.

Figure 7 is front view representation of a modified form of my invention.

Figure 8 is a rear view of the garment of Figure 7.

Figure 9 is a pattern of one of the side portions of the garment of Figure 7, and

Figure 10 is a pattern of the middle portion of the garment of Figure 7.

In the drawing, and particularly in the form of my invention illustrated in Figures 1 to 6 inclusive, the garment comprises two side or leg portions 15 and 16, the middle portion 17, the belt portion 18, and the fly portion 19. It will be noted that the fly 19 is of the short variety, extending down from the belt to a point considerably above the lowermost portion of the garment.

In the preferred form of my invention, the middle portion 17 extends down from the rear of the belt to the lowermost level of the leg portions 15 and 16, and then continues uninterrupted up to the bottom extremity 20 of the fly,—the said middle portion being entirely flanked throughout the length thereof by leg portions 15 and 16. The arrangement is such as to produce a substantially T-shaped juncture at said extremity 20, and as to be entirely devoid of any inverted V-shaped or other indented formation extending up to the crotch.

It will be observed that there are three main elements to the garment,—the leg portions 15 and 16 and the middle portion 17. The parts are readily cut out from simple patterns and sewed together in assembled relation to form the shorts constituting my invention. Referring to

Figure 5 which is the pattern of portion 15, one side thereof consists of the fly edge 21, underneath which is the undercut portion 22 and then the bottom short edge 23 which is to be joined in the finished garment to the opposite short edge 24, as is clearly shown in Figure 3. Connecting the edges 23 and 24 is the bottom leg edge 25 which forms the lower leg rim of the portion 15. The top edge 26 is to join the belt portion 18 as indicated in Figures 3 and 4; and connecting the edges 24 and 26 is the diagonally disposed edge 27 which is to be joined in the finished article to the middle portion 17. It is of course understood that leg portion 16 is identical in configuration to portion 15, but complementary thereto.

One half of the upper curved front section 28 of middle portion 17 is joined to edge 22 (of leg portion 15) from point 20 to the juncture of edges 23 and 24, the remaining portion up to the rear edge 29 being joined to the edge 27 of leg portion 15. And it is of course evident that the other half of the curved section 28 is similarly secured to the corresponding portions of leg portion 16.

When the three main portions 15, 16 and 17 together with the belt portion 18, are operatively sewed together, they will form a pair of men's shorts wherein the leg portions are not separated to form two independent parts converging upwardly to the crotch, but are rather joined by the middle portion 17 at their innermost and preferably their lowermost portions, thereby providing considerable roominess below the crotch for comfort. And it will be noted that the entire section of portion 17 directly underlying the region of the crotch is smooth and free of seams or junctures, thereby obviating the danger of irritation and chafing. The arrangement is such that the only seams near such region are those formed by the edges 23 and 24 and in the vicinity thereof, and it is evident that in such locations they are sufficiently remotely positioned as to be entirely harmless, and also not subject to excessive wear.

Inasmuch as portions 15 and 16 are not absolutely independent leg portions as in conventional shorts, it is preferred and highly desirable to position middle portion 17 on a bias as indicated, so as to permit both longitudinal and transverse stretching thereof, thereby allowing freedom of movement of both leg portions 15 and 16 and such flexibility as may be necessary. With this arrangement it is apparent that no special elastic material is required to permit freedom of movement, and that the entire garment can be made from a single piece of loom fabric.

For a loose fitting garment of this class having a high fly front, my invention is particularly adaptable. This is due to the fact that the lowermost terminal of the fly can serve as a juncture for the uppermost front section of middle portion 17, which is necessary in accordance with this invention.

In Figures 7 to 10 of the drawing is illustrated a somewhat modified form of my invention, the middle portion 35 being relatively wider at the bottom thereof than corresponding portion 17,

and consisting of downwardly diverging lateral sides 36 and 37 rather than the parallel sides of portion 17. Hence middle portion 35 includes not only the section of the garment corresponding to said portion 17, but also a part of the legs corresponding to parts of portions 15 and 16.

Specifically, the leg portions 39 and 40 of this modified form of my invention are joined to edges 36 and 37 of the middle portion 35. The upper rounded portion 41 is joined to the undercut portion 42 of leg portion 39 and the corresponding undercut of leg portion 40; and the edges 43 and 44 are joined to edge 45 of the leg portion 39 and the corresponding edge of leg portion 40 whereby the edges 46 and 47 of the middle portion 35 are joined to edges 48 and 49 to form full laterally enclosed leg members. With the exception of the modified patterns, this form of my invention provides substantially the same completed garment as the first described form, with identical advantages.

It is of course understood that the structures above described and shown in the drawing are illustrative of my invention and not employed by way of limitation, inasmuch as numerous changes and modifications may be made therein within the scope of the appended claim without departing from the spirit of this invention.

What I claim is:

A pair of loose-fitting men's shorts of fly-front construction comprising two leg portions and a middle piece, the leg portions having bottom edges positioned below the level of the lowermost point of the fly, the middle piece extending downwardly along the rear of the garment to substantially the level of said bottom edges and continuing uninterruptedly forwardly and upwardly to form a substantially T-shaped juncture with the bottom extremity of the fly, the width of the upwardly extending portion of the middle piece being sufficient to form a roomy pouch-like region at the front of the garment below the fly, each of said leg portions comprising an upper edge, a substantially vertical fly edge extending down from said upper edge, a recessed portion of curved configuration thereunder and extending first inwardly from said fly edge substantially horizontally and then gradually curving downwardly and outwardly, a bottom short edge below said recessed portion, an oppositely positioned short edge attached to said first-mentioned bottom short edge, a lowermost horizontal edge joining said short edges and forming the bottom periphery of the leg portion, said lowermost edge being of greater length than said upper edge, and a diagonal edge joining the juncture of said short edges and said upper edge; and said middle portion comprising two substantially parallel vertical edges and a front and rear edge, the said parallel edges being joined to the corresponding diagonal edges of the said leg portions and extending into and being joined to the said recessed portions, the said front edge of the middle portion being joined to the inwardly extending horizontal edges of the said recessed portions of the leg portions to form the said T-shaped juncture with the bottom extremity of the fly.

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