

Dec. 13, 1938.

A. M. REIS

2,140,459

MAN'S UNDERGARMENT

Filed Dec. 17, 1937

2 Sheets-Sheet 1

Fig. 1.

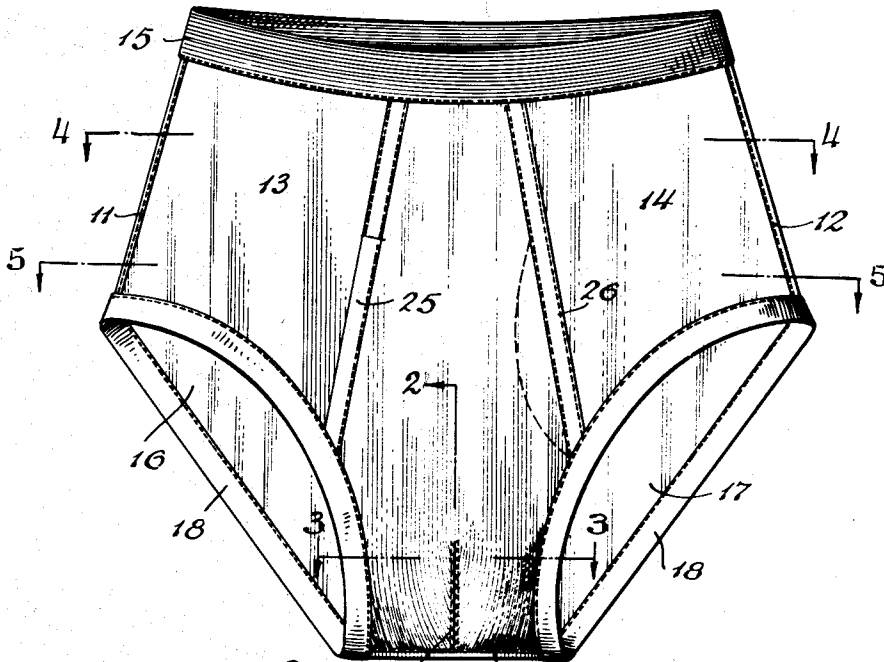


Fig. 2.

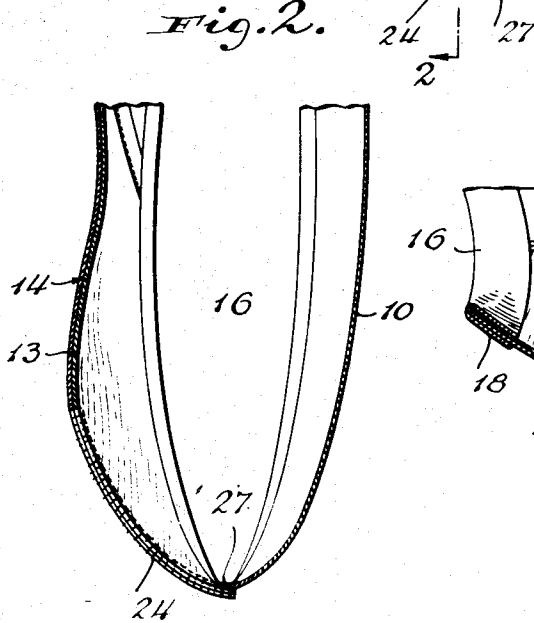
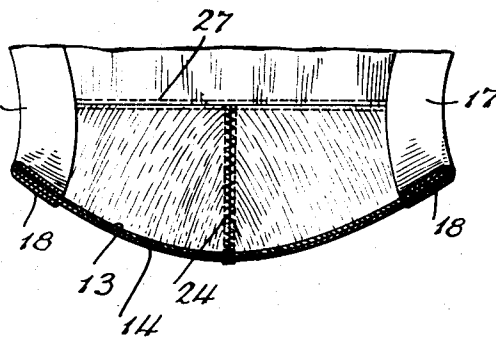


Fig. 3.



INVENTOR  
ARTHUR M. REIS  
BY  
*Loebenthal & Hirschman*  
ATTORNEYS

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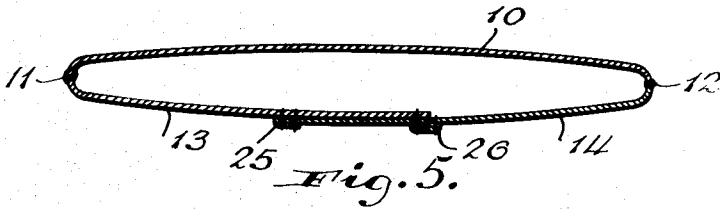
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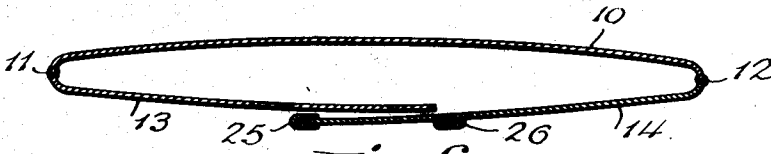
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2 Sheets-Sheet 2

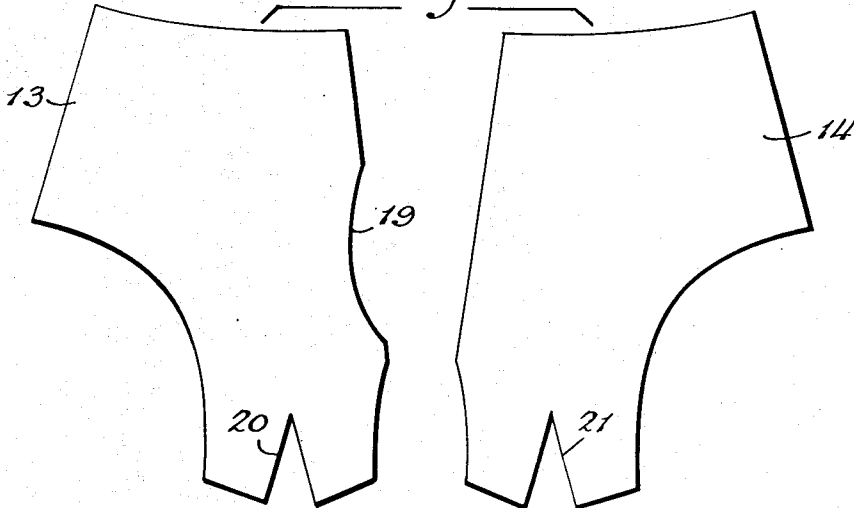
*Fig. 4.*



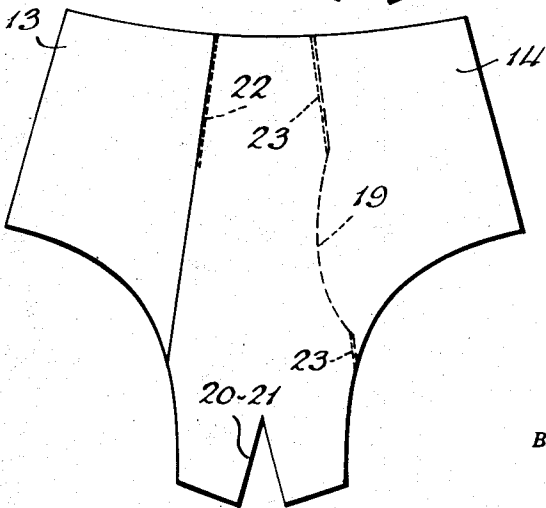
*Fig. 5.*



*Fig. 6.*



*Fig. 7.*



INVENTOR  
ARTHUR M. REIS  
BY  
*Lackeubach + Hirschman*  
ATTORNEYS

# UNITED STATES PATENT OFFICE

2,140,459

## MAN'S UNDERGARMENT

Arthur M. Reis, New York, N. Y., assignor to  
Robert Reis & Co., New York, N. Y., a corpo-  
ration of New York.

Application December 17, 1937, Serial No. 180,288

4 Claims. (Cl. 128—159)

The invention relates to men's undergarments and particularly to that type of such undergarment known in the trade as "shorts".

The primary object of the invention is to provide such undergarment of a construction which is constituted of front and back portions and an elastic waist band, the front portion comprising two sections of material, one partially overlapping the other throughout substantially the central region of the front of the garment so as to constitute a double-ply front of the garment, the lowermost region of such double-ply front forming a crotch portion conforming to the contours of the body which it overlies. This conformation to the contour of the body is produced by forming the double-ply section of the garment from two overlapping pieces of material having at their lower extremities inverted V-shaped notches, the edges of such notch being sewn together with the line of stitching extending from the lowermost extremity of the crotch portion upwardly and forwardly of the garment when worn so as to provide a pouch for correct support of the private parts of the body.

A further object of the invention is to provide a construction of an undergarment of the general type indicated, in which unsightly seams and piecings are eliminated by the use of a concealed fly so that a trim, smart appearance of the garment is assured, the fly remaining closed and invisible at all times.

A still further object of the invention is to provide the garment with ample cloth material throughout the seat portion of the garment so that the gathering of the material of the garment into the crotch, characterizing the structures of the prior art, is eliminated.

A further object of the invention is to provide a finish upon the leg openings of the garment which will prevent the garment material from riding up along the thighs of the wearer.

In its broadest aspect, my inventive structure provides, by means of the "dart" embodied in the fabrication of the garment in the front portion of the crotch section, an automatic pouch for the private parts, whereby a contour of such front portion of the crotch member is secured substantially like the normal contour of the body so as to provide a normal support, without discomfort to the wearer.

A particular embodiment of my invention is illustrated in the accompanying drawings, in which Fig. 1 is a front view of an undergarment constructed in accordance with my invention; Fig. 2 is a section taken on the line 2—2 of Fig.

1; Fig. 3 is a section on the line 3—3 of Fig. 1; Fig. 4 is a section on the line 4—4 of Fig. 1; Fig. 5 is a section on the line 5—5 of Fig. 1; Fig. 6 is a plan view of the two sections of material constituting the front portion of the garment; and Fig. 7 is a plan view of such front section with the two fabric portions of Fig. 6 superimposed so as to have one partially overlap the other.

Referring more particularly to the drawings, in which similar reference characters identify similar parts in the several views, the garment comprises a rear portion 10, to which at each side are joined by stitching 11 and 12, front portions 13 and 14 respectively. An elastic waist band 15 extends throughout the upper periphery of the garment. The sections 10, 13 and 14 are constituted preferably of knitted material so cut and positioned as to impart to the garment body a transverse resiliency.

The garment is provided with the usual leg openings 16 and 17 which, in the preferred embodiment are provided with trimmings 18 in the nature of tapes running substantially throughout the leg opening. Such tapes are constituted of knitted material doubled over to receive the marginal edge portions of the leg openings, between the flaps thereof.

The front portion 13 is cut from a blank of material in substantially the form shown in Fig. 6 with an arcuate recess 19, in the vertical edge thereof. The lower portion of the section, when it is cut from the blank, is provided with an inverted V-shaped notch 20. The front section 14 is of substantially similar contour but is cut without an arcuately recessed vertical edge, such section likewise being provided at its lowermost extremity with an inverted V-shaped notch 21.

In assembling the two sections 13 and 14, the latter is superimposed upon the former so as to have a portion thereof overlap a portion of the former, with the V-shaped notches 20 and 21 exactly one above the other. The two sections of material are joined together by stitching 22 extending from the upper edge of the sections partially along the free edge of the section 14 and by stitching 23 extending throughout the edge of the section 13 except along the edge of the arcuate recess 19, as shown clearly in Fig. 7.

When the two sections 13 and 14 have been thus assembled, the edges of the material constituting the V-shaped notches are sewn together by stitching 24 so as to form a "dart". The effect of sewing together the edge portions of such V-shaped notches is to produce a rounding of the lower portion of the two front sections, as

indicated clearly in Fig. 2, thereby forming a pouch conforming substantially to the contour of the parts of the body of the wearer which the lower region of the overlapped front sections 5 overlie, when the garment is worn.

Tapes 25 and 26 of knitted material doubled over to receive between the flaps thereof, the marginal edge portions of the sections 13 and 14, are secured by a double line of stitching to the 10 edges of the sections 13 and 14.

The lowermost-edges of the two front sections 13 and 14 are secured to the lowermost edge of the rear section 10 by stitching 27.

The above described construction results in an 15 undergarment having a number of novel features not heretofore embodied in garments of this general class. One of such features is the provision of two partially overlapping sections of material to form the front portion of the garment, constituting a double gore in which such overlapping sections 20 of material are each provided with inverted V-shaped notches superimposed one upon the other. When the sections are assembled and have the edge portions of such notches secured together 25 by a line of stitching, the "dart" thus formed provides a crotch section for the garment which constitutes an automatic pouch for the parts of the body which it overlies when the garment is worn. This construction affords a correct, normal 30 support for such parts of the body without discomfort to the wearer.

The supporting effect provided by such double-gore front section of the garment is enhanced by the provision of the folded over tapes extending 35 throughout the edges of the two overlapping sections of material constituting the mid-front of the garment.

A further novel feature of my garment is the concealed fly which is produced by this construction, whereby unsightly seams and piecings are 40 eliminated, the fly remaining closed and invisible at all times. A trim, smart appearance of the garment when worn is thus assured.

A further novel feature of the garment, as 45 clearly shown in Fig. 1, is the provision of ample cloth material in the back portion of the garment, so that an extra full seat coverage for the garment is provided. This feature of my novel construction 50 eliminates the objectionable gathering of the seat material into the crotch, characterizing the prior art constructions of this type of men's undergarments. The full seat covering thus provided, prevents slippage of the material and effects a complete covering of the seat in addition 55 to the graceful contouration of the garment upon the body. By this construction, also, the leg openings are given such shape and contour, by the cutting of the material constituting the various sections of the garment, as to give a symmetrical 60 finish to the garment and to assist the garment material in holding its place upon the body, thereby preventing the garment from getting out of shape.

My novel garment is characterized by a complete 65 absence of any patches or piecings and is thereby given a flatter appearance than similar garments of the prior art.

The main feature of my novel garment is, however, to be found in the provision of what, for 70 lack of a better term, I describe as a "dart" construction of the crotch portion constituted by the lower section of the front of the garment, whereby a substantially normal support for the private parts of the body is secured without discomfort 75 to the wearer.

While I have described a particular embodiment of my invention, it is obvious that various changes in the described structure may be made without departing from the invention.

I claim:

1. An undergarment of the class described comprising front and back portions and an elastic waist band secured to the top margins of said front and back portions, said front portion being formed of two front sections of material overlapped a substantial distance to form a double 10 ply fly front of substantial width, said front sections having registering inverted V-shaped notches extending upwardly from their lowermost margins and sewed together to form a dart, the 15 lowermost margins of said front sections being secured to the lowermost margin of said back portion by stitching forming a seam connected with said dart, said front and back portions having complementary margins forming leg openings 20 and having bindings of substantially inelastic tape, said seam forming a substantially inelastic connection between said leg opening bindings, said overlapped front sections having marginal 25 bindings of substantially inelastic tape each providing a substantially inelastic connection between said elastic waist band and one of said leg opening bindings.

2. An undergarment according to claim 1, the overlapped margins of said front sections being 30 secured to the adjacent section throughout a part only of their length extending downwardly from the elastic waist band to form means of egress from the interior to the exterior of said garment and to provide for free movement of the unattached overlapped portions of the sections with respect to one another for accommodating free 35 movements of a wearer.

3. An undergarment of the class described comprising an elastic waist band, a front portion comprising a pair of front sections overlapped for a 40 substantial distance adjacent the mid portion of the front portion of the undergarment and having substantially inelastic marginal tape bindings secured at their upper ends to said elastic waist 45 band, said overlapped sections having therein registering inverted V-shaped notches extending upwardly from their lower margins and stitched together to form a dart, a back portion secured at each side margin to one of said front sections and having its lowermost margin secured to the lowermost margins of said front sections by stitching 50 forming a seam connected with said dart, said front and back portions having complementary margins forming leg apertures, leg aperture bindings connected with the above mentioned marginal tape bindings and formed of substantially 55 inelastic tape, said leg aperture bindings being connected by said above mentioned seam, said waist band, said marginal tape bindings and said seam defining in the undergarment a pouch of double thickness and providing substantially inelastic marginal support therefor, and said dart providing for shaping of the pouch for conformation to the anatomy of a wearer and resistance 60 to lateral displacement of the pouch with respect thereto.

4. An undergarment of the class described comprising front and back portions and an elastic waist band secured to the top margins of said 70 front and back portions, said front portion being formed of two front sections of material to form a front of substantial width, a crotch section having an inverted V-shaped notch extending upwardly from its lowermost margin and having its 75

edges sewed together to form a dart, the lowermost margins of said crotch section being secured to the lowermost margin of said back portions by stitching forming a seam connected with said dart, said front and back portions and crotch section having complementary margins forming leg openings and having throughout a major portion thereof bindings of substantially inelastic

tape, said seam forming a substantially inelastic connection between said leg opening bindings, said front sections having marginal bindings of substantially inelastic tape each providing a substantially inelastic connection between said elastic waist band and one of said leg opening bindings.

ARTHUR M. REIS.