Aug. 22, 1950 M. J. RAGO 2,519,602

GIRDLE

Filed Nov. 1, 1947

Fig. 1

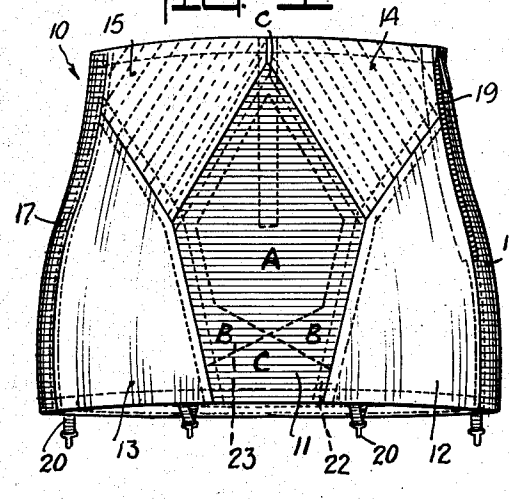


Fig. 2

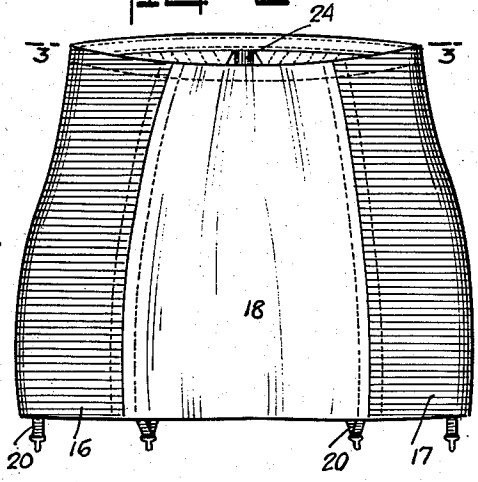


Fig. 3

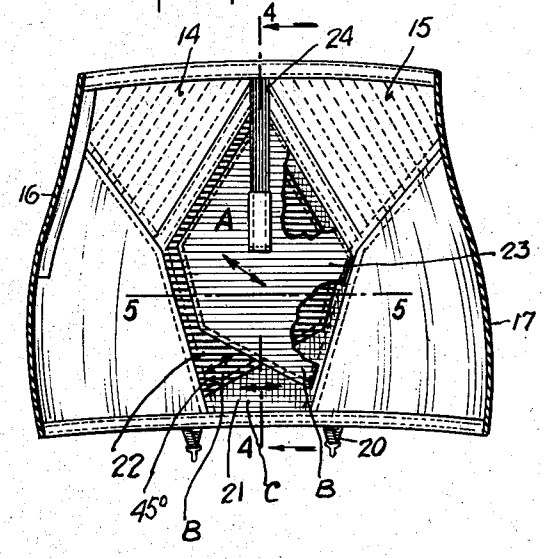


Fig. 4

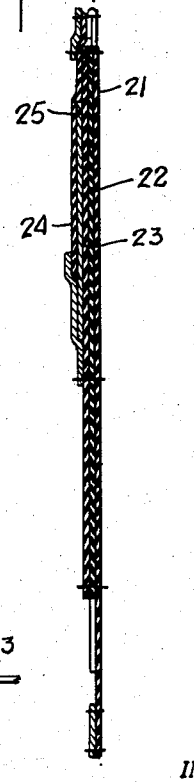
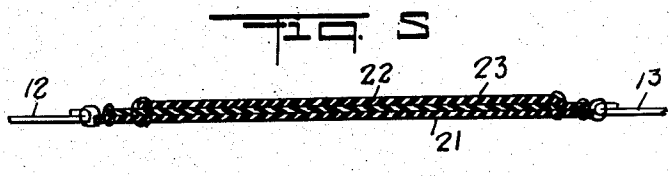


Fig. 5



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Patented Aug. 22, 1950 2,519,602

UNITED STATES PATENT OFFICE

2,519,602

GIRDLE

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Application November 1, 1947, Serial No. 783,565

4 Claims. (Cl. 2—43)

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This invention relates to foundation garments.

Broadly, it is an object of the invention to provide a foundation garment with a front central panel which supports the abdomen without binding or constricting the abdominal muscles.

More particularly, it is an object of the invention to provide a central front panel comprising different plies of stretchable material providing greater and lesser stretch upon the various parts of the abdomen.

A further object of the invention is to provide a central front panel, the central part of which comprises three plies of stretchable material for maintaining the greatest support upon the abdomen and lesser support at the extremities of the abdominal ligaments.

Still a further object is to provide overlapping plies of stretchable material for stretchability in different directions having greater support in some sections than in others.

Another object of the invention is to provide a foundation garment constructed to give the desired support where needed in greater and lesser degree depending upon the area to be supported.

For a fuller understanding of the nature and objects of the invention, reference is had to the following detailed description in connection with the accompanying drawings, in which:

Fig. 1 is a front perspective view of a foundation garment incorporating my improvement.

Fig. 2 is a rear view thereof.

Fig. 3 is a vertical section taken through line 3—3 of Fig. 2 showing the inside of the front, parts being broken away.

Fig. 4 is an enlarged sectional view taken through line 4—4 of Fig. 3.

Fig. 5 is an enlarged sectional view taken through line 5—5 of Fig. 3.

Referring to the drawings, numeral 10 represents a girdle or foundation garment comprising a front central panel 11 consisting of several layers of stretchable material, as will hereinafter be described. On either side of the central panel 11 are side panels 12 and 13 which in some instances may be of nonstretchable material and for certain types of girdles of material stretchable vertically. On either side and at the upper portion of the central panel 11 are panels 14 and 15 which are preferably made of nonstretchable material; however, for certain models panels 14 and 15 may be made of horizontally stretchable material.

Attached to the upper and lower panels 12 to 15, inclusive, are vertical side panels 16 and 17

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which are made of stretchable material which may stretch either horizontally or vertically, or both horizontally and vertically depending upon the style and type of girdle desired.

Attached between side panels 16 and 17 is a back panel 18 which may be made of either nonstretchable material or material stretchable vertically, depending upon the style and type of girdle desired. At one side, between upper and lower panels 12 and 14 and side panel 17 there is a separable fastener 19 for opening the girdle as is well known in the art.

At the base of the girdle 10 are hose supporters 20 distributed as is also well known in the art.

The front central panel 11 is made of three pieces of elastic material, the outside material 21 is stretchable horizontally; the intermediate panel 22 is stretchable diagonally, at approximately a 45° angle, and the inside panel 23 is stretchable diagonally in the opposite direction to that of panel 22 at approximately a 45° angle. Panel 21 covers the central area of a five sided figure, as shown in Fig. 1 by the horizontally shaded central section. Panels 22 and 23 are smaller in area than panel 11, as shown by the dotted lines in Fig. 1 and the differently shaded areas in Fig. 3. Panels 22 and 23 are stitched to panel 21 along their edges providing a three-ply section A at the central portion of the garment; two-ply section B around the sides of the central panel 11; and one-ply sections at the upper point of panel 11 and along the lower base of panel 11.

Section A containing three plies of material stretchable in various directions, as hereinbefore mentioned, gives the greatest support to the abdominal muscles at the same time providing sufficient stretchability without constricting the abdominal ligaments. Sections B are comprised of two plies of material; that is, the outer panel 21 and either the intermediate panel 22 or the inside panel 23 creating a lesser degree of support to the abdominal ligaments which diverge away from the central part of the abdomen. Sections C are of single ply material. The lower section C requires the greatest amount of stretchability horizontally because when the wearer is seated or is walking the greatest stretch is required at that portion.

Pockets 24 for stiffening members 25 may be added wherever desired, depending upon the type and model, as is well known in the art.

It is obvious that various modifications may be made in the details of construction and arrangement of parts without departing from the general spirit of the invention.

I claim:

1. A girdle comprising a multiple-panel body encircling construction, having stretchable vertical side panels, and front and back panels, said back panel attached between said vertical side panels, said front panel comprising an outer bisymmetrical pentagonal piece stretchable horizontally, an intermediate piece stretchable diagonally, and an inside piece stretchable diagonally in a direction opposite said intermediate piece, said three pieces of said front panel of pentagonal shape, said intermediate and inside pieces being of the same size and smaller than said outer piece, said intermediate and inside pieces placed one over another in opposite directions providing a three-ply hexagonal central portion, said central portion giving the greatest support to the abdominal muscles while providing stretchability, a two-ply portion around said hexagonal central portion, said two-ply portion providing a lesser degree of support to the abdominal ligaments and diverging from the central part of the abdomen, and a single ply portion at the base of said front central panel providing the greatest amount of stretchability horizontally at the base of said front central portion.

2. A girdle comprising a multiple-panel body encircling construction, having vertical side panels, and front and back panels, said back panel attached between said vertical side panels, said front panel comprising an outer bisymmetrical pentagonal piece stretchable horizontally, an intermediate piece stretchable diagonally, and an inside piece stretchable diagonally in a direction opposite said intermediate piece, said three pieces of said front panel of pentagonal shape, said intermediate and inside pieces being of the same size and smaller than said outer piece, said intermediate and inside pieces placed one over another in opposite directions providing a three-ply hexagonal central portion, said central portion giving the greatest support to the abdominal muscles while providing stretchability, a two-ply portion around said hexagonal central portion, said two-ply portion providing a lesser degree of support to the abdominal ligaments and diverging from the central part of the abdomen, and a single ply portion at the base of said front central panel providing the greatest amount of stretchability horizontally at the base of said front central portion, a separable fastener at the side of said girdle for opening and closing said girdle.

3. A girdle comprising a multiple panel body encircling construction, having vertical side panels, and front and back panels, said back panel attached between said vertical side panels, said front panel comprising an outer bisymmetrical pentagonal piece stretchable horizontally, and intermediate piece stretchable diagonally, and an inside piece stretchable diagonally in a direction opposite said intermediate piece, said three pieces of said front panel of pentagonal shape, said intermediate and inside pieces being of the same size and smaller than said outer piece, said intermediate and inside pieces placed one over another in opposite directions providing a three-ply hexagonal central portion, said central portion giving the greatest support to the abdominal muscles while providing stretchability, a two-ply portion around said hexagonal central portion, said two-ply portion providing a lesser degree of support to the abdominal ligaments and diverging from the central part of the abdomen, and a single ply portion at the base of said front central panel providing the greatest amount of stretchability horizontally at the base of said front central portion, a separable fastener at the side of said girdle for opening and closing said girdle, and hose supporters at the base of said girdle.

4. A girdle comprising a multiple-panel body encircling construction, having opposed lower front side panels, opposed upper front side panels, stretchable vertical side panels, and front and back panels, said back panel attached between said vertical side panels, said front panel comprising an outer bisymmetrical pentagonal piece stretchable horizontally, an intermediate piece stretchable diagonally, and an inside piece stretchable diagonally in a direction opposite said intermediate piece, said three pieces of said front panel of pentagonal shape, said intermediate and inside pieces being of the same size and smaller than said outer piece, said intermediate and inside pieces placed one over another in opposite directions providing a three-ply hexagonal central portion, said central portion giving the greatest support to the abdominal muscles while providing stretchability, a two-ply portion around said hexagonal central portion, said two-ply portion providing a lesser degree of support to the abdominal ligaments diverging from the central part of the abdomen, and a single ply portion at the base of said front central panel providing the greatest amount of stretchability horizontally at the base of said front central portion, a separable fastener at the side of said girdle for opening and closing said girdle, hose supporters at the base of said girdle, and pockets and stiffening members at the upper portion of said girdle.

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REFERENCES CITED

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

UNITED STATES PATENTS

Number	Name	Date
1,945,093	Strait	Jan. 30, 1934
2,092,900	Wipperman	Sept. 14, 1937
2,168,009	Van Praag	Aug. 1, 1939
2,418,242	Williams	Apr. 1, 1947
2,445,322	Fridolph	July 20, 1948
2,484,265	Brown	Oct. 11, 1949