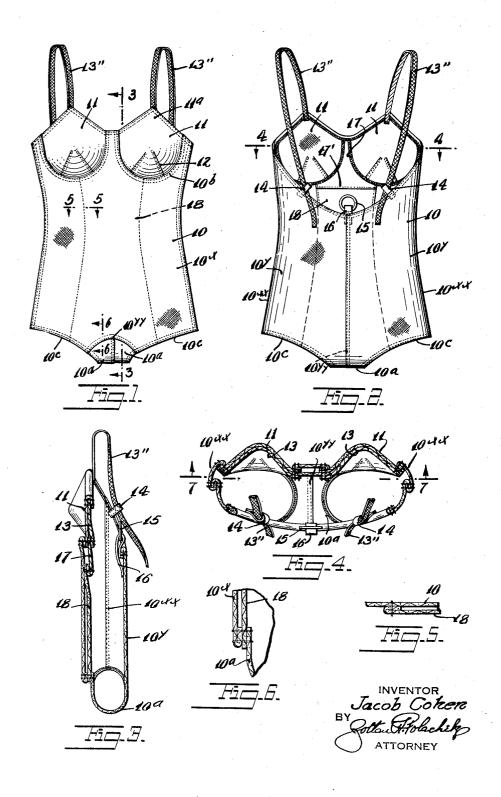
BATHING SUIT

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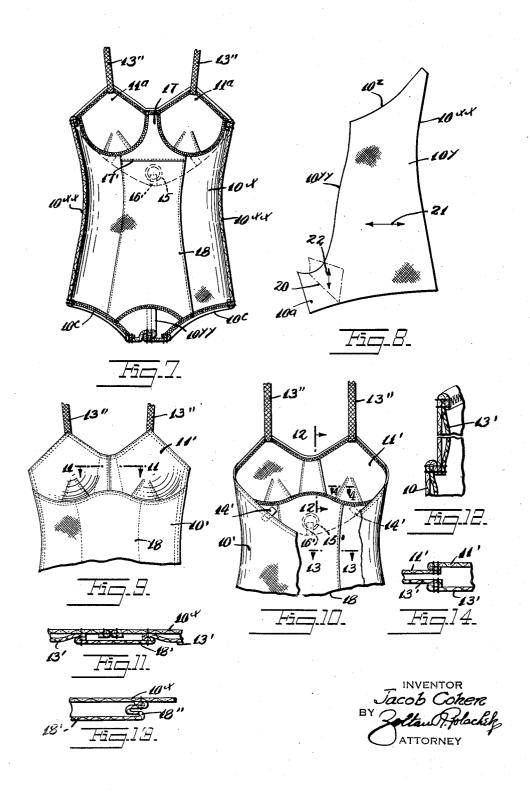
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UNITED STATES PATENT OFFICE

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BATHING SUIT

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5 Claims. (Cl. 2-67)

This invention relates to new and useful improvements in a bathing suit.

The invention has for an object the construction of a bathing suit characterized by the fact that it has a body portion of one way stretch woven elastic fabric arranged to stretch in the width. When so constructed there is no tendency for the bathing suit to stretch in the length and become deformed.

The invention also proposes to provide a continuation from the body material bent at right angles and arranged to form the crotch of the bathing suit so that it will stretch in the longitudinal direction of the bathing suit. This will prevent the crotch portion from digging into the crotch of a wearer.

Still further the invention proposes to construct the bathing suit of relatively thin woven elastic material which may become semi-transparent when wet, and provide lining material attached to the inner side of the body portion at the bust area, and mammillary organs, at the navel, and groin area to cover these portions of a wearer.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:—

Fig. 1 is a perspective view of a bathing suit constructed according to this invention.

Fig. 2 is a rear elevational view of Fig. 1. Fig. 3 is a transverse sectional view taken on the line 3—3 of Fig. 1.

Fig. 4 is a horizontal sectional view taken on the line 4—4 of Fig. 2.

Fig. 5 is a fragmentary horizontal sectional view taken on the line 5—5 of Fig. 1.

Fig. 6 is a fragmentary sectional view taken on the line 6—6 of Fig. 1.

Fig. 7 is a transverse sectional view taken on $_{45}$ the line 7—7 of Fig. 4.

Fig. 8 is an elevational view of a portion of the body portion of the garment showing particularly the continuation which hereafter is bent at right angles to form the crotch portion.

Fig. 9 is a fragmentary front elevational view of a bathing suit of modified form embodying the same invention.

Fig. 10 is a rear view of Fig. 9.

Fig. 11 is a fragmentary horizontal enlarged 55 sectional view taken on the line 11—11 of Fig. 9.

Fig. 12 is a fragmentary vertical sectional view taken on the line 12—12 of Fig. 10.

Fig. 13 is a fragmentary horizontal sectional view taken on the line 13—13 of Fig. 10.

Fig. 14 is a fragmentary horizontal sectional 5 view taken on the line 14—14 of Fig. 10.

The bathing suit, according to this invention, comprises a body portion 10 of one way stretch woven elastic fabric material arranged to stretch along the width of the body portion and contin- 10 uation portions 10° from the body portion bent at right angles to the body portion to form a crotch which then stretches in the longitudinal direction of the bathing suit. At the front the body portion 10 is provided with bust portions 15 II which have two or more suitable darts 12 to make them form-fitting, and stretchable horizontally. These bust portions are lined with material 13 which is secured to the bust inserts !! along arcuate edges 10^{6} of the body portion 10^{2} by elastic and non-elastic stitches. This lining material 13 may be either of the same material as the body fabric or of any other suitable stretchable material.

The upper portions of the bust inserts II are 25 formed with pointed sections 112 to which woven or other elastic shoulder straps 13" are attached. These shoulder straps 13" are capable of extending over one's shoulders and pass through loops 14 attached on the top back edge of the body 30 section. This top back edge is cut low, as clearly shown in Fig. 2. The straps 14 may be tied together or may be tied to a smooth, non-friction ring 15 which is supported by an elastic loop element 16 attached at the center of the back 25 portion of the body portion. The provision of the stretchable continuation portion 10a and the elastic loop element 16 permits the garment to stretch longitudinally, during bending. The elastic loop and ring arrangement may also be used (1) for loops 14.

Within the bathing suit and between the bust sections 11 and secured upon the body portion there is non-stretching lining material 17. This non-stretching lining material terminates at a horizontal line 17' and from this line downwards there continues additional lining material 18. This lining material 18 is of a similar material to that of the body elastic fabric and is extended only along the front portion of the bathing suit and extends completely down to and includes the crotch portion. With this construction it is possible that the body material 10 may be of material which is transparent when it becomes wet. The lining materials are depended upon to cover the 55

bust, the navel and other front portions of the wearer's body, that would show a shadow through the unlined material alone.

The free edges of the body portion such as the edges 18° and other edges are finished with stretchable selvage edge stitching or the like. The lining material 18 may be of the same material as the body portion 19, or may be of other stretchable fabric material. Similarly, the lining material 13 may be of fabric material or the same material used to make the body of the bathing suit.

The body portion 10 is formed from three distinct sections. There is a front section 10x which 15 connects at the sides of the garment with a pair of adjacent longitudinal back sections 10y. The adjacent edges 10yy of these back sections are cut so that at the lower extremity there is a projecting portion 10x. This projecting portion is bent 20 at right angles along the line indicated by reference numeral 20 so that there is a right angle projecting section indicated by the dotted lines in Fig. 8.

The arrow 21 schematically indicates that the 25 back section 10 may stretch in the width only. The arrow 22 indicates that the projection section 10 may now stretch only in the longitudinal direction. When this projection section 10 is used to form the crotch it will be noticed that the 30 crotch will be extendible longitudinally of the body of the bathing suit.

The seam 10³⁷ is stitched with elastic thread and extends completely around the crotch and terminates at the front portion of the crotch portion. The seam 10³⁷ may be of any construction as for example, by having the edges interengaged and sewed down with elastic thread as clearly shown in Fig. 7. Referring again to Fig. 8 it is pointed out that the top side 10³ of the portion 40 shown represents the neck opening of the body portion. The side 10³² is the side which is seamed with the front portion 10³. The bottom edge forms a portion of the leg opening at the bottom of the body portion.

In Figs. 9-14 inclusive another form of the invention has been disclosed. According to this form the bathing suit has a body portion 10' which is connected with a bust portion II'. This bust portion distinguishes from the prior bust 50 portion in that it is formed from directly connected bust sections. These bust sections have lining material 13' at their inner sides. The body portion ic' is also provided with lining material 18' extended down along the inner face of the 55 front of the body portion. This lining material 18' in this particular form of the invention is of stretchable standard cloth material. For this reason along the longitudinal sides it is formed with several folds 18" (see Fig. 13). These folds 60 will open up to permit the body portion to stretch.

Shoulder straps for this bathing suit are indicated by the reference numerals 13". They are adapted to engage through the loop elements 14" mounted on the back of the body portion. They are furthermore adapted to engage through a ring 15" secured on a loop 16" which is also attached upon the back of the body portion.

In other respects this form of the invention is similar to the previous forms and similar parts may be recognized by the identical reference numerals.

It is to be understood that the stitches at certain locations must also be made elastic, by using

elastic thread, for the purpose of permitting the garment to stretch.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I 10 claim as new, and desire to secure by United States Letters Patent is:—

1. In a garment, a trunk comprising a body portion formed of a material adapted to stretch around the body, and a crotch portion composed 15 of two parts extending side by side through the crotch from front to rear and each connected at its front and rear ends to the body portion and being adapted to stretch through the crotch from front to rear, the adjacent edges of said 20 crotch parts being overlapped, and an elastic seam securing said overlapping portions together.

2. In a garment, a trunk including front and back portions, said back portion including two 25 back sections secured to each other along one edge to form a central seam, said back sections including body portions formed of a material adapted to stretch around the body, said back sections having at their lower adjacent edges pro- 30 jecting portions extending therefrom substantially in the direction of stretch of the body portions and adapted to stretch in substantially the same direction, said projecting portions having adjacent edges overlapping, an elastic seam 35 securing said overlapping edges together, said projecting portions extending through the crotch from rear to front in the direction of stretch and having their free ends secured to the front of the trunk portion, whereby the material will stretch 40 from front to rear through the crotch.

3. In a garment, a trunk including front and back portions, said back portion including two back sections secured to each other along one edge to form a central seam, said back sections 45 being formed of a material adapted to stretch around the body, said back sections having at their lower adjacent edges integral projecting portions extending therefrom substantially in the direction of stretch, said projecting portions hav- 50 ing adjacent edges overlapping, and an elastic seam securing said overlapping edge together, said projecting portions extending through the crotch from rear to front in the direction of stretch and having their free ends secured to the 55 front of the trunk portion, whereby the material will stretch from front to rear through the crotch.

4. In a garment as claimed in claim 1, a loop of elastic material connected to the top of the 60 back and arranged to stretch vertically, a ring mounted on said loop, and shoulder straps connected to the front of the garment and adapted to be secured to said ring.

5. In a garment as claimed in claim 3, a loop 65 of elastic material connected to the top of the back along the line of connection of said back portions and arranged to stretch vertically, a ring mounted on said loop, and shoulder straps connected to the front of the garment and adapted to 70 be secured to said ring.

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