

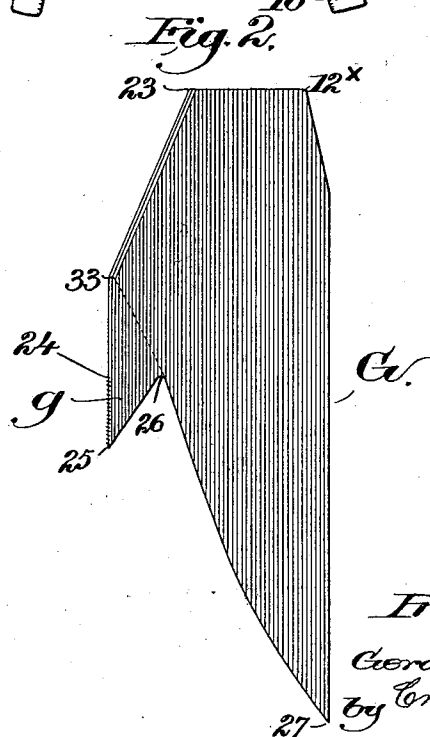
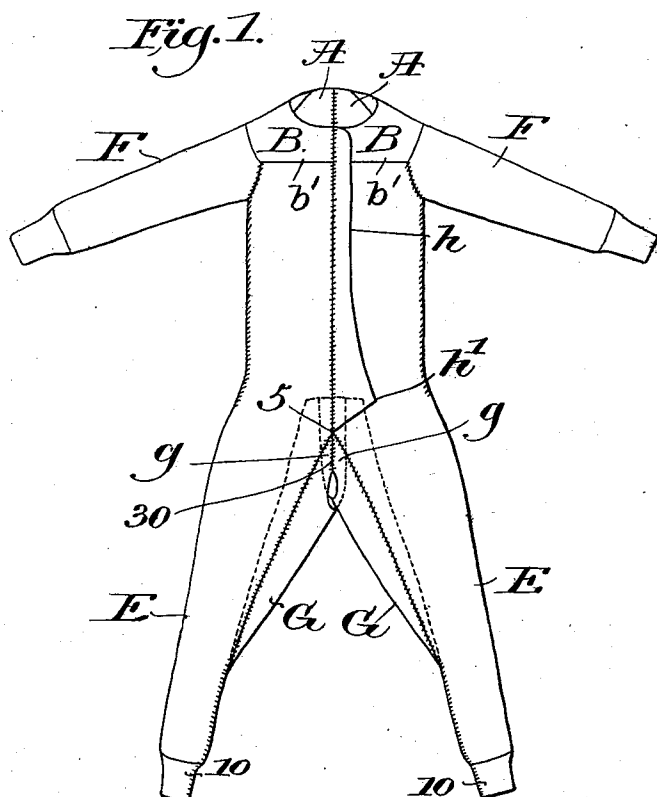
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3 Sheets—Sheet 1.

G. O'BRIEN.
COMBINATION KNITTED GARMENT.

No. 505,953.

Patented Oct. 3, 1893.



Witnesses,
Louis W. Howell
Edward F. Allen.

Inventor:
Geraldine O'Brien
by Crosby Gregory
attys

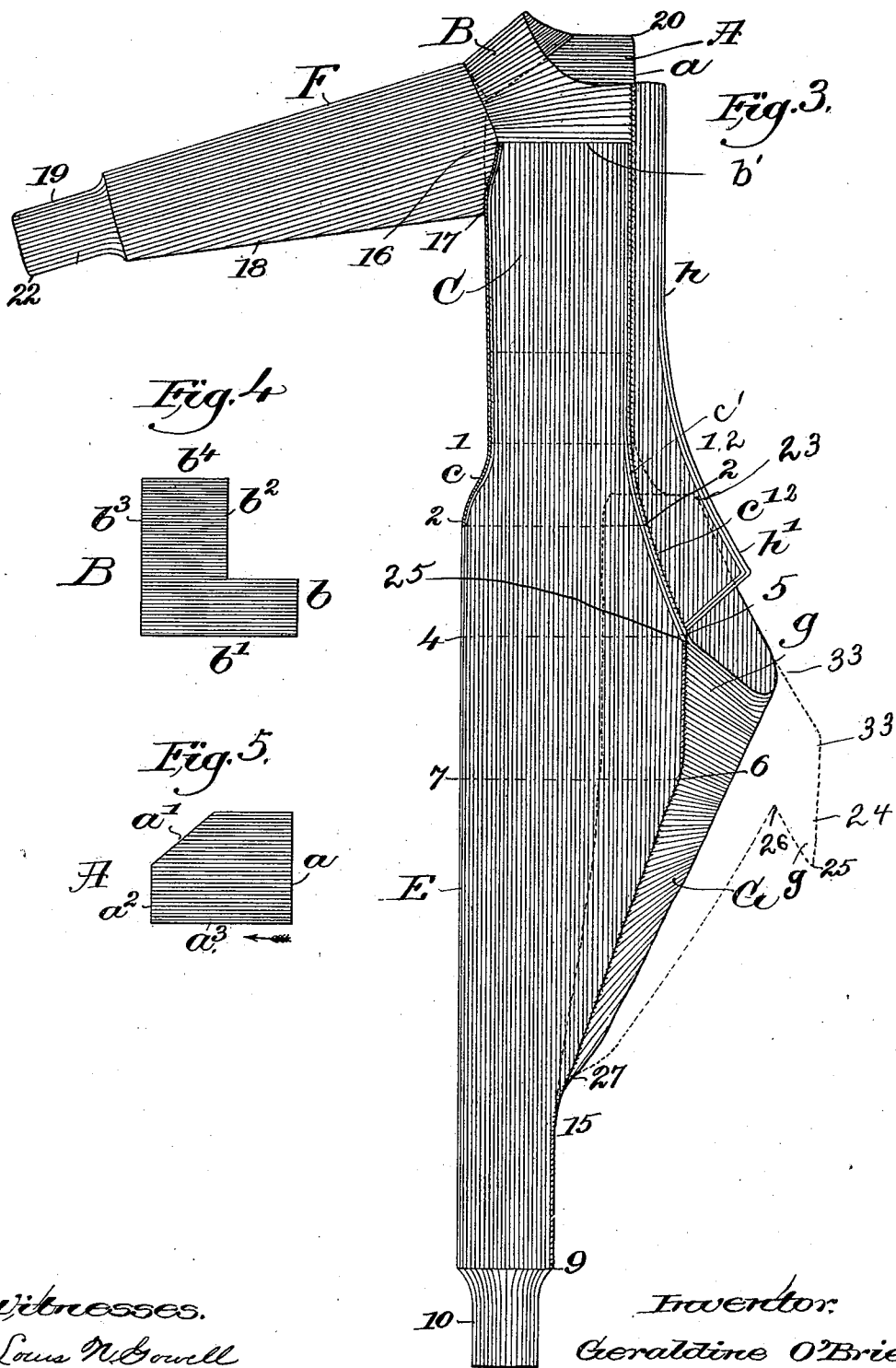
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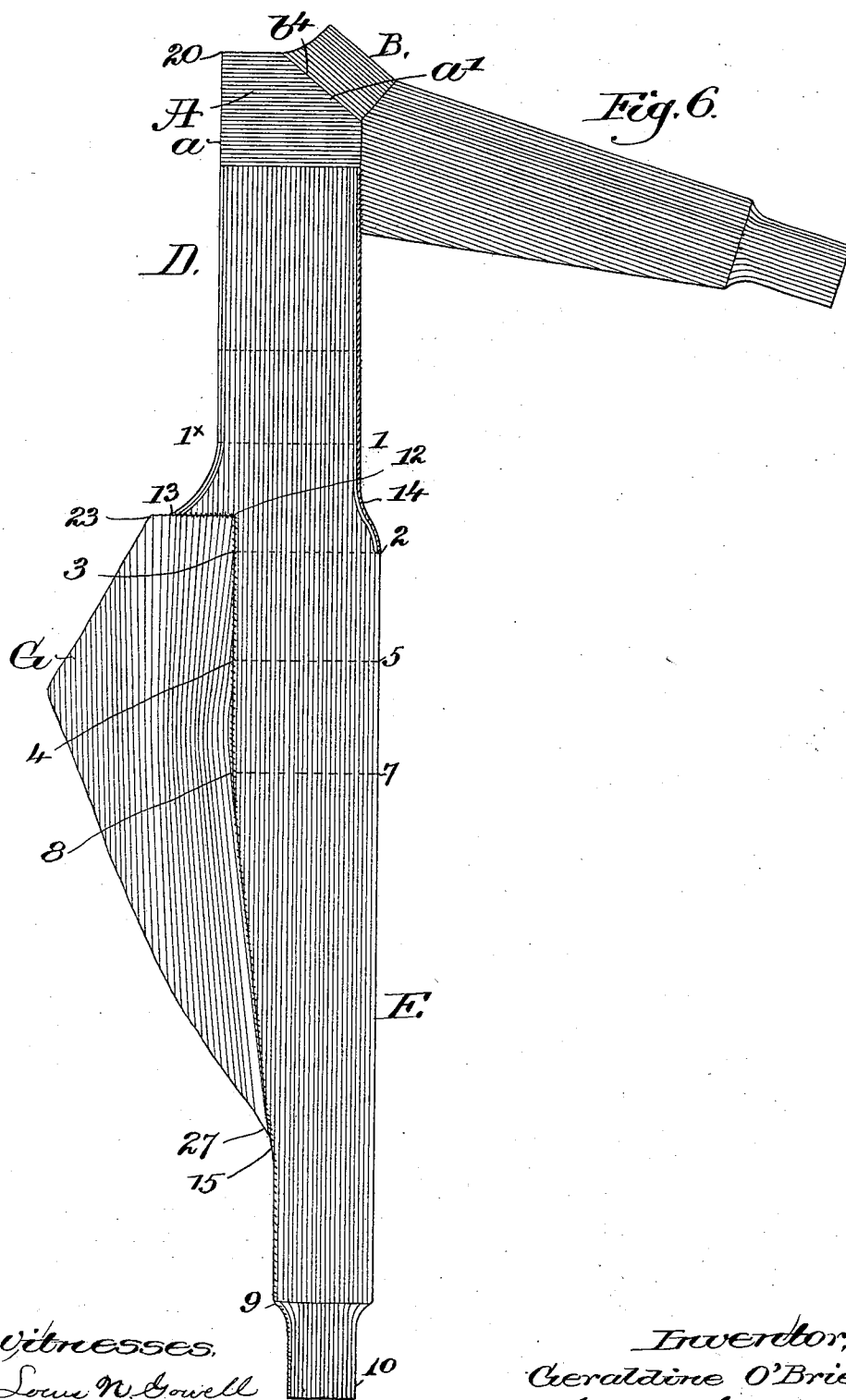
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UNITED STATES PATENT OFFICE.

GERALDINE O'BRIEN, OF BOSTON, MASSACHUSETTS.

COMBINATION KNITTED GARMENT.

SPECIFICATION forming part of Letters Patent No. 505,953, dated October 3, 1893.

Application filed January 14, 1893. Serial No. 458,331. (No specimens.)

To all whom it may concern:

Be it known that I, GERALDINE O'BRIEN, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Combination Knitted Garments, of which the following description, in connection with the accompanying drawings, is a specification, like letters and figures on the drawings representing like parts.

10 This invention has for its object to improve the construction of combination garments, the chief aim being to insure a better fit.

Figure 1 in front elevation shows a combination garment embodying my invention. 15 Fig. 2 shows one of the back flaps detached and enlarged; Fig. 3, an enlarged front elevation of one half of my improved garment; Figs. 4 and 5 detached views of the front and back pieces of the shoulder. Fig. 6 is a rear 20 side elevation of the half of the garment shown in Fig. 3.

In the manufacture of my improved garment I make one and then the other half, and in the production of one half I prefer to 25 proceed as follows: I knit a back shoulder piece A, commencing the same preferably at the broader edge a , knitting in the direction of the arrow Fig. 5 and narrowing at one edge as at a' to make a selvage edge, running off 30 the loops at the end a^2 . Next the front shoulder piece B may be commenced at the end b , knitted to b' , and then the number of needles be increased to knit the wider portion b^2 , running off the loops at the end b^3 . The 35 piece B will have selvage edges at all except the edge b^3 . The selvage edge b^4 of the piece B may then be united to the selvage edge a' of the piece A, and the selvage edge b' of piece B will then have its loops picked onto 40 a series of needles in a rib knitting machine, sufficient in number to knit the body portion C of the front of the garment, the said front being knitted to the piece B to present its knitted wales at right angles to the wales in 45 said piece B.

To provide fullness in the front of the garment along and about the edge b' , to thus adapt the garment to the contour of the breast of the wearer, I may and preferably do pick 50 one loop at intervals onto two needles lying

side by side and in this I may gain any desired fullness.

The bust and waist covering portion of the front may be knitted in usual manner in the same or a different stitch, and if desired the 55 waist may be knitted by dropping out of action every other needle of the back row of needles thus contracting the waist as commonly practiced. The waist terminates at about the line 1—1, and from that point downward to the line 2—2 the edge c , see left of Fig. 3, and edge c' at the right are both widened. Having reached the line 2—2, the operator runs off the fabric, takes the selvage 60 edge a^3 of the back piece A and sets it upon the desired number of needles and the back D is knitted thereto down to the waist line 1—1^x, Fig. 6, the knitted wales of the said back being at right angles to the wales in piece A, at which point the operator com- 70 mences to widen one edge of the fabric, see left of Fig. 6, to produce the gore 1^x—12—13. The loops are then run off the needles from 12 to 13 and the knitting is continued from the line 12—14, to the line 3—2, widening 75 from 14 to 2. In this condition of the fabric the loops at the front previously run off at the line 2—2, are added along side the needles holding the loops from 2 to 3 of the back and knitting is continued, a sufficient number of needles being used to knit a hip covering part on the line 3—2—2, to cover both 80 back and front, and the edge from 3 to 4, Fig. 6, is left straight but the opposite edge c^{12} of the fabric, in continuation of the edge c' , see 85 Fig. 3, is widened down to the point 5, see Fig. 3 the points 4 and 5 being supposed to be in the same course of loops.

From the points 4—5 see Fig. 3 to 6—7—8, the fabric is knitted of substantially the same 90 width, and from there to the bottom 9 of the leg the fabric is narrowed in usual manner to produce a leg E, and is terminated by the rib end 10. The narrowing of the edges of the leg part terminates at about the point 15. 95

The gore 1^x—12—13, co-operating with a like gore of the other half of the garment affords the fullness required at the back just below the waist line.

To make the sleeve the operator takes the 100

loops at the edges a^2 of the piece A, and the loops b^3 of the piece B, and sets them upon suitable needles of a rib knitting machine and knits to said parts the sleeve F, adding, however, enough needles to make the upper end of the sleeve correspond with the desired arm scye, narrowing at each side, as between the points 17—18, to form proper gore portions 16—17—18 to give the sleeve the desired taper, the sleeve being terminated by a cuff 19 in usual manner. One half of the garment will now be secured to the other half in the line of the back commencing at the corners 20 of the pieces A, the seam being continued to the point 13. The slit in each half of the garment from 17 to 2, may then be seamed together, and the upper end of the sleeve from 16 to 17 be seamed into the arm scye and the sleeve be closed from 17 to 22.

The garment requires—back flaps G. To make these I take the garment and commencing at 12 on one side I pick the loops from 12 to 13 on to the proper needles and adding a few extra needles I knit a flap G, widening the same from the point 23 to 33 on one side see Figs. 2 and 3.

In order to make a proper brace under the body to the lower front of the trunk I add to the back flap a gore g included between the lines 24—25—26, and from 26 to 27 the back flap is narrowed. On the other edge of the flap I may widen more or less if great fullness is required at the back below the waist.

The dotted lines Fig. 3 show the back flap laid out flat. The full lines Fig. 3 show the back flap in place, its edge from 12^x to 27 being seamed to the edge of the back of the leg, while the edge from 25—26—27 is seamed to the edge of the front of the leg, the corner 25 of the gore 24—25—26, being connected to the front at the point 5.

To provide the second back flap, the operator will take the loops from 13 to 23 of one half of the back of the garment, and the loops from 13 to 12 of the other half of the back of the garment and pick them on to the proper number of needles, and the second back flap will then be knitted just as described of the first back flap, except that the widening will be made at the proper side of the flap, that depending whether it is to be attached to the right or left leg of the garment.

When the two halves of the garment are fully united the edges 24—25 of the gores g are united to each other and appear at the front of the garment, as in Fig. 1. The sel- vage edges of each leg from 15 to 9, and to the bottom of the rib end 10 are seamed together from just below the end 27 of the back flap.

I prefer to finish each garment by adding to one side the front a button hole or fastening strip h , it being preferably widened toward its lower end h' , as shown, the lower end of said strip being carried down preferably to the junction of one corner of the gore g with the front of the fabric.

The seam made by uniting the edge of one gore g of one back flap to the like edge of the other gore g is represented at 30 Fig. 1, the said seam extending upon the front of the trunk between the groins.

The widening and narrowing of the various parts will be more or less according to the size of the garment.

The garment so far described may be worn with great comfort by gentlemen, and the gore portion g is preferred by some ladies, but should a lady desire a garment without said gore it may be omitted and in such case the edge 27—26 would be made to follow from 26 upward along the dotted line 33.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A combination garment having its halves composed of front and back shoulder portions A, B, front and back portions C, D, knitted thereto; leg portions E, and back flaps G having gore portions g , the portions A and D being united in the back, the portions A, B, having their edges a' , b' , united, the back and front being united from the arm scyes to the full parts of the hips, the back flaps being knitted at their upper ends to portions of each half of the back, other portions of each back flap being seamed to a leg, portions of the gores g of the back flaps being carried through to the front of the garment and being united thereto and to each other, substantially as described.

2. A combination garment having its halves composed of front and back shoulder portions A, B, front and back portions C, D, knitted thereto; said back portions having gore pieces 1^x, 12, 13, below the waist line; leg portions E, and back flaps G having gore portions g , the portions A and D being united in the back, the portions A, B, having their edges a' , b' , united, the back and front being united from the arm scyes to the full parts of the hips, the back flaps being knitted at their upper ends to portions of each half of the back, other portions of each back flap being seamed to a leg, portions of the gores g of the back flaps being carried through to the front of the garment and being united thereto and to each other, substantially as described.

3. A combination garment having its halves composed of front and back shoulder portions A, B, front and back portions C, D; and sleeves F knitted thereto; leg portions E and back flaps G having gore portions g , the portions A and D being united in the back, the portions A, B, having their edges a' , b' , united, the back and front being united from the arm scyes to the full part of the hip, the back flaps being knitted at their upper ends to portions of each half of the back, a portion of each back flap being seamed to a leg, portions of the gores g of the back flaps being carried through to the front of the garment and being united thereto and to each other, said sleeves being attached to the edges a^2 ,

b^3 , of the parts A, B, and to the front and back at the arm scye, substantially as described.

4. A combination garment having its halves
 5 composed of front and back shoulder portions A, B, front and back portions C, D knitted to said portions A, B; sleeves F knitted to the edges b^3 , a^2 , of said front and back
 10 shoulder portions; leg portions E, and back flaps G having gore portions g , the portions A and D being united in the back, the portions A, B, having their edges a' , b^4 , united, the
 15 back and front being united from the arm scyes to the full parts of the hips, the back flaps being knitted at their upper ends to portions of each half of the back, a portion of
 20 each back flap being seamed to a leg, portions of the gores g of the back flaps being carried through to the front of the garment and being united thereto and to each other,
 said sleeves being attached to the edges a^2 , b^3 , of the parts A, B, and to the front and back at the arm scye, the knitted wales in the back and front being at right angles to the knitted

wales in the shoulder covering portions, substantially as described. 25

5. A combination garment having its halves composed of front and back shoulder portions A, B, front and back portions C, D, knitted thereto, said back portions having gore 30 pieces 1^x , 12, 13, below the waist line; leg portions E, and back flaps G, the portions A and D being united in the back, the portions A, B, having their edges a' , b^4 , united, the back and front being united from the arm scyes to 35 the full parts of the hips, the back flaps being knitted at their upper ends to portions of each half of the back, other portions of each back flap being seamed to a leg, substantially as described. 40

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GERALDINE O'BRIEN.

Witnesses:

EMMA J. BENNETT,
 LAURA MANIX.