

(Model.)

2 Sheets—Sheet 1.

W. F. WARNER.
COMBINATION GARMENT.

No. 315,093.

Patented Apr. 7, 1885.

Fig. 1.

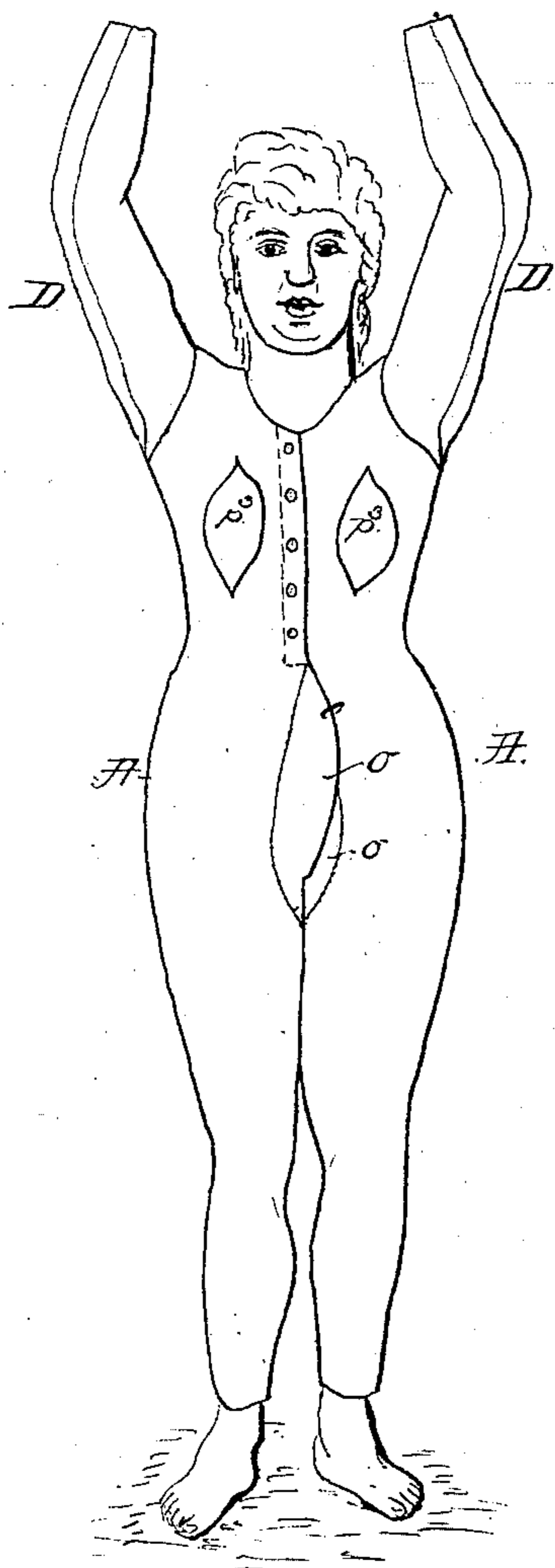
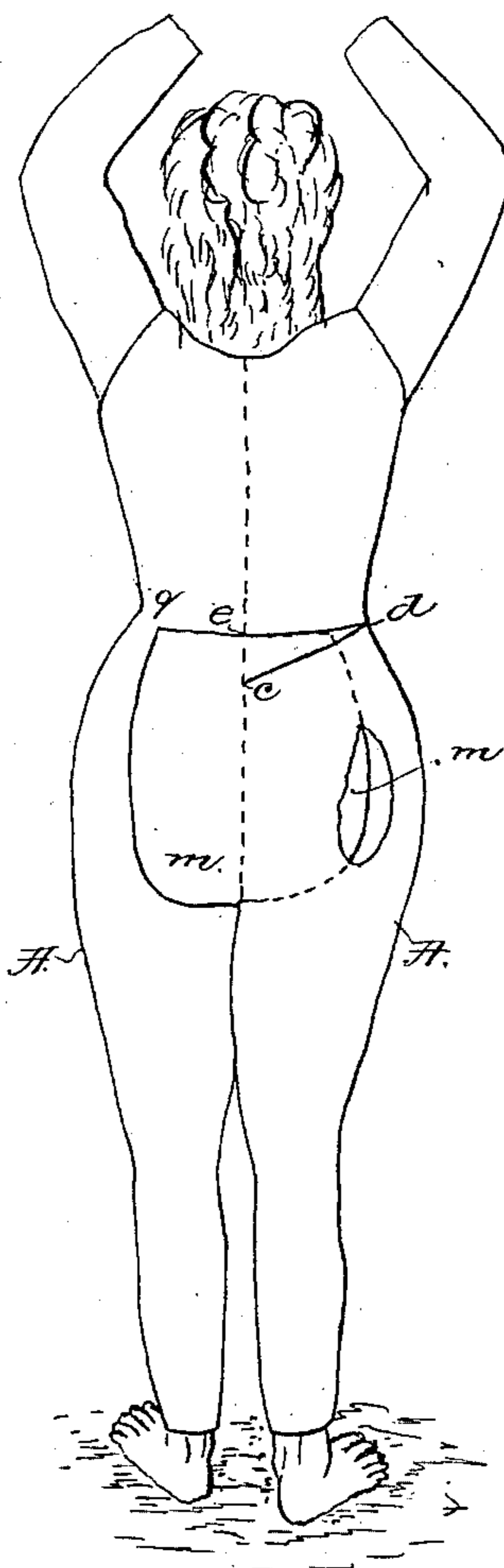


Fig. 2.



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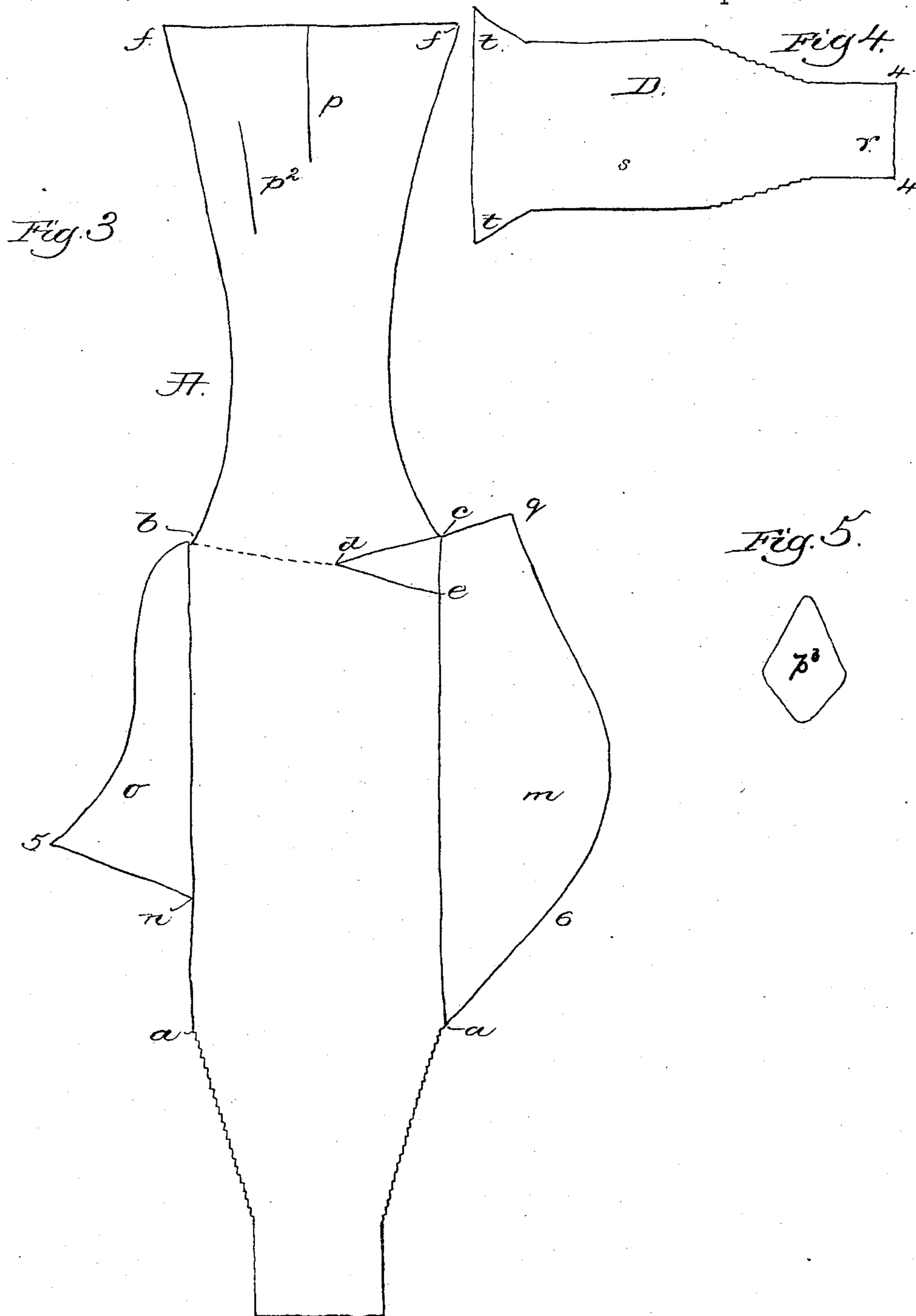
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Henry March.

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UNITED STATES PATENT OFFICE.

WILLIAM F. WARNER, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO JOHN HOLMES, OF SAME PLACE.

COMBINATION GARMENT.

SPECIFICATION forming part of Letters Patent No. 315,093, dated April 7, 1885.

Application filed February 1, 1884. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM F. WARNER, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in
5 Garments, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

My invention relates to that class of garment known as "union garment," or a garment wherein the drawers and vest are connected, the object of my invention being to improve the shape and fit of the same and make them otherwise more desirable, as will
15 be hereinafter described, some of my improvements being adapted for use in ordinary vests or wrappers.

Figure 1 represents one of my improved garments applied to a form; Fig. 2, a back view of the same. Fig. 3 represents the principal portion of one-half of my improved garment before the main part of the flat knitted web is joined to constitute a tubular leg, a portion of the lower end of the web being broken off.
20 Fig. 4 represents the knitted blank for the sleeve, and Fig. 5 represents the blank for the breast-pocket of the vest.

My improved garment is composed of two like halves, A, knitted upon a flat-bed knitting-machine as a flat web of varying diameter, both edges of the web being provided with selvages.

I prefer to knit the web upon a so-called "Lamb" machine; but I desire it to be understood that I may use any other suitable flat machine, and in knitting the web I shall operate the said machine just as usual. The web for each half A is commenced at what is to be the ankle portion of the garment, a
35 greater or less number of the needles being employed according to the size it is desired that the web have at the ankle, and additional needles are brought into operation from time to time, and the knitting proceeds in usual
40 manner to increase the width of the web and fashion the same according to the size of the garment until the web is knitted to about the point *a*, which is intended to be about half way between the knee and hip, and then the
50 web is knitted of uniform width to a point

about in line with the letters *b e*, or near the top of the hip, when, by moving the machine in the usual way to knit a gore, I cause a gore to be knitted of a shape substantially as represented by the lines *e d c*, thus giving to the
55 rear edge of the piece A a certain amount of fullness, when knitting will be again resumed on all the needles, and the web will be knitted of suitable length to extend from the hips to the end *f*, after which the web will be suitably shaped to constitute the neck of the vest part of the garment.

When knitting from *b e* to *f f*, I may, if desired, contract or narrow or widen the web in usual ways as may be necessary to enable it to
60 cover one-half of the form upon which the completed garment will be used. At the rear edge of the said web A, between the points *a e*, I attach by sewing a back flap, *m*, and at the front edge of the said web, between the
65 points *b n*, I attach in like manner a front flap, *o*.

The sleeve-blank D (represented in Fig. 4) is knitted as a flat web shaped or fashioned to form a wrist portion, *r*, and then widened to
70 form a portion, *s*, to cover the arm, and that end of the sleeve-web which is to be joined to the web A is widened to form portions *t t*, to insure fullness at the shoulder.

The pocket-blank *p*³, shaped substantially
80 as in Fig. 5, is produced by knitting, and has selvage edges all around, and the web A and the sleeve-blank D also have selvage edges at their sides from end to end. The web A, knitted of proper length and width, is slitted at *p*²
85 to receive the sleeve made by uniting the selvage edges of the sleeve-blank D from *t* to 4. The web A is also slitted, as at *p*², so receive the pocket-blank *p*³, (see Fig. 1,) the selvage edges of the said pocket-blank being preferably crocheted to the cut edges of the web. The
90 peculiar shape of the blank *p*³ gives much fullness to the pocket. Each garment requires for its production two webs A such as described, with their attached flaps, the said
95 webs differing only in being adapted as rights and lefts to fit different sides of the body.

The material used may be wool, cotton, or silk, or a mixture of any two of them, and the stitch will preferably be that known as the
100

"rib-stitch," it being produced on two rows of needles, such stitch being very elastic.

Commencing with the ankle portions, the two selvage edges of each web are secured together up to a point about half-way between the knee and hip covering portions, and then the point 5 of the front flap, *o*, is carried over and attached at 6 to the back flap, the edges of the knitted goods between the said two points of junction down to the lower end of the ankle-covering portion of the garment being seamed together to form a leg. The back flap, *m*, is longer than the front flap, *o*, from the waist-line *b e* downward, so that when the parts are joined, as stated, the garment is given very considerable fullness at the rear.

Two webs *A*, each having had portions of its own selvage edges seamed together, as described, to form tubular legs, will be placed together, and the like selvage edges *c* to *f* will be seamed together, constituting a seam, as shown in Fig. 2, from the neck to the hips, and the edges *c q* of the back flap will be seamed, respectively, to the opposite halves of the garment.

The front edges, *b f*, of the webs will be provided, respectively, with buttons and button-holes, as shown in Fig. 1, to fasten the garment about the body.

I do not claim any improvement in knitting; but I do claim, as will be hereinafter pointed out, certain new shapes produced by knitting in known ways.

The neck portion of the garment will be cut, shaped, and united as usual.

I claim—

1. A union garment comprising two halves, *A*, attached flaps *o* and *m*, attached arms *D*,

and breast-pockets *p*³, substantially as shown and described.

2. In a union garment, two webs, *A*, each provided with a gore, *c d e*, and their attached front and back flaps of different length, portions of the edges of the said two webs being united each to the other, while other portions thereof are united, as described, to form legs.

3. The two halves *A*, having the leg portions, attached front and rear flaps, *o* and *m*, respectively, gore-pieces *c d e*, arm-pieces *D*, set in slits *p* in the said halves, and breast-pockets *p*³, set in slits *p*² in said halves.

4. A union garment composed of two similar halves, each having the leg portions individually united on its own edges, the hip portions provided at front with attached flaps and at the rear with attached seat portions, which are connected at their lower edges to the front flaps, and are crossed and connected at their upper edges to the waist portions, waist-gores interposed at the rear, and body portions provided with arm and breast slits, and seamed at the back, and adapted to be buttoned at the front, and arm-pieces individually united by their longitudinal edges and connected to the halves in their arm-slits, and the breast-pockets set in the breast-slit, substantially as described.

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

WILLIAM F. WARNER.

Witnesses:

G. W. GREGORY,
B. J. NOYES.