

Dec. 2, 1941.

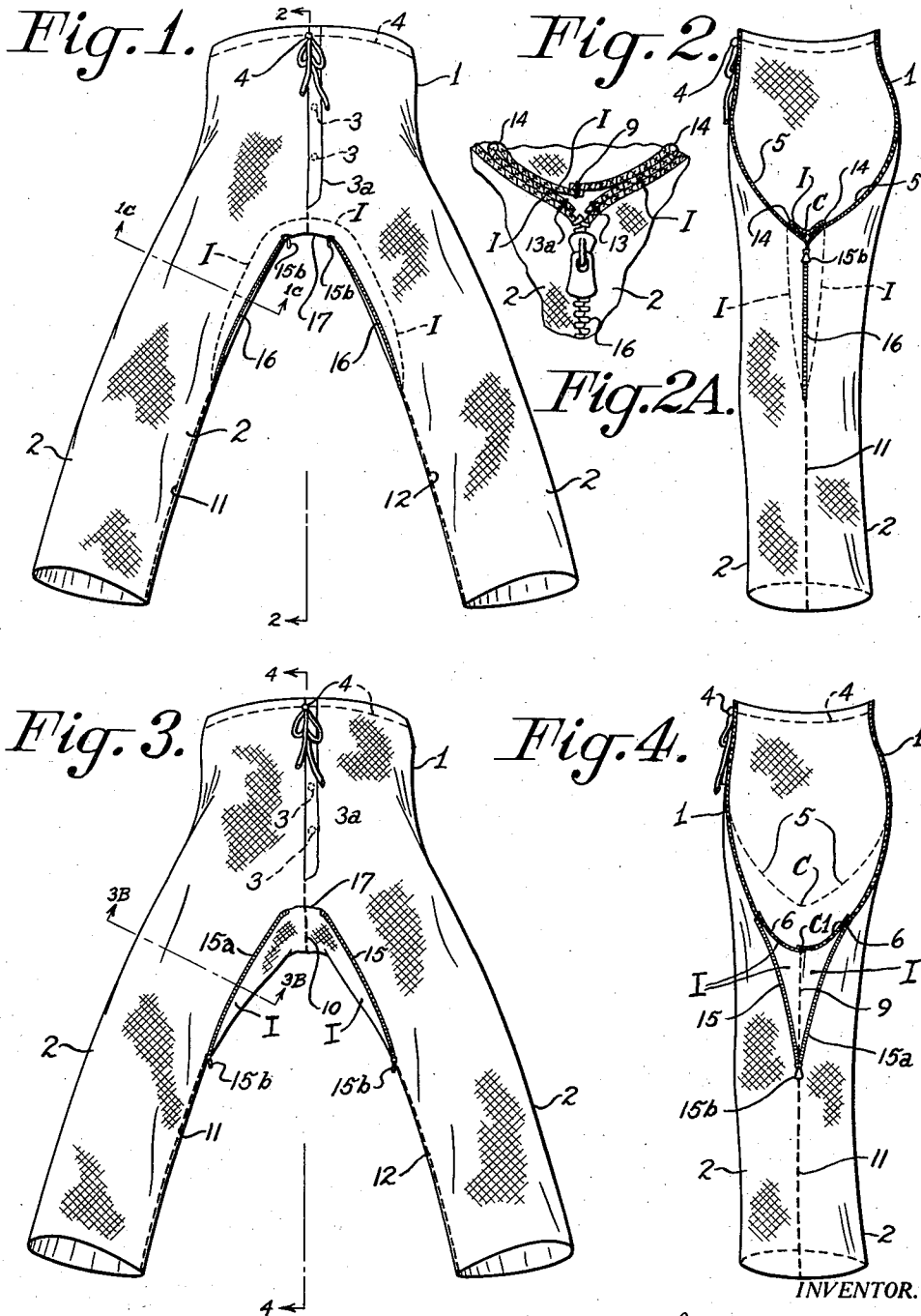
I. B. SMITH

2,264,958

GARMENT

Filed April 7, 1939

4 Sheets-Sheet 1



INVENTOR.
Irving B. Smith
BY
Clemens D. Ehret
ATTORNEY.

Dec. 2, 1941.

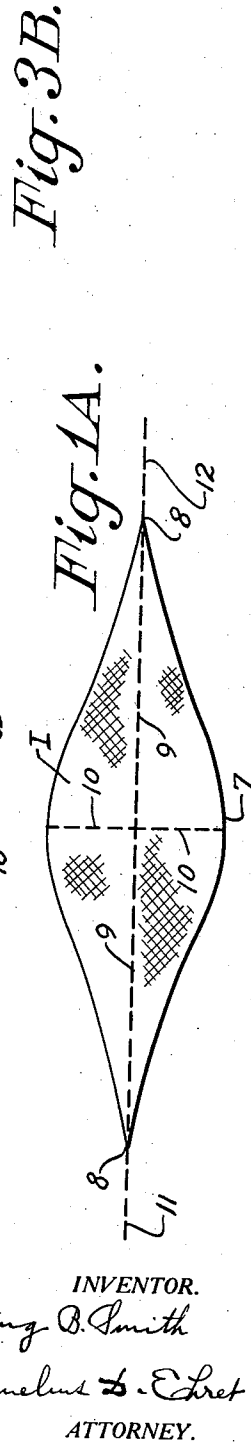
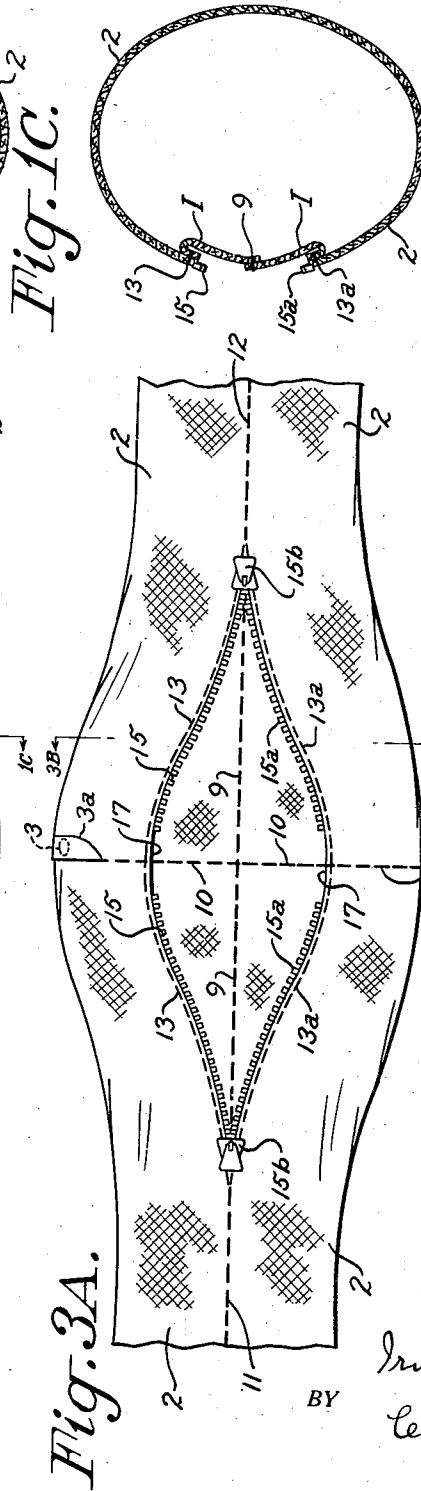
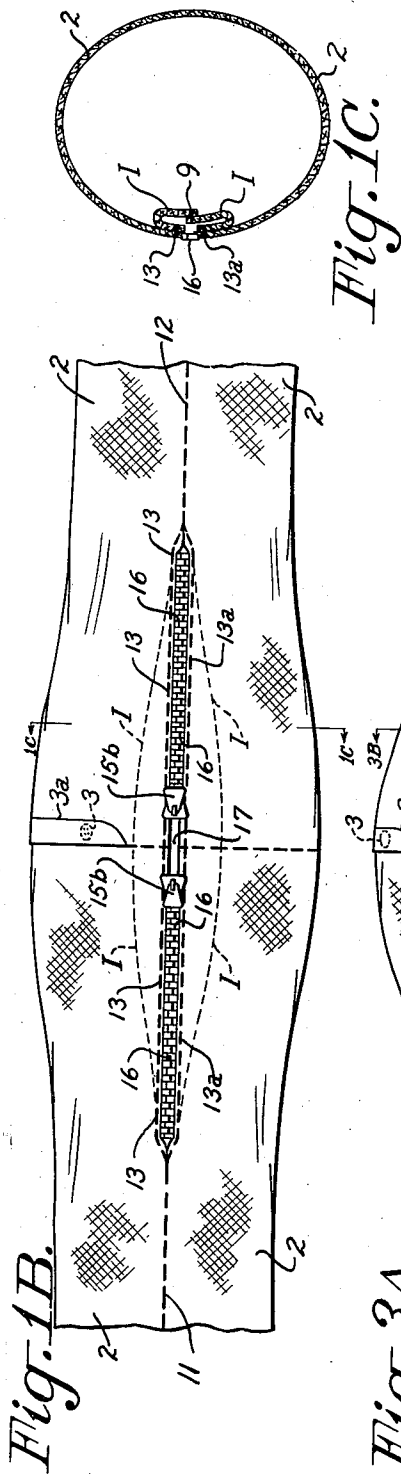
I. B. SMITH

2,264,958

GARMENT

Filed April 7, 1939

4 Sheets-Sheet 2



INVENTOR.

Irving B. Smith

Cornelius L. E. Lret

ATTORNEY.

Dec. 2, 1941.

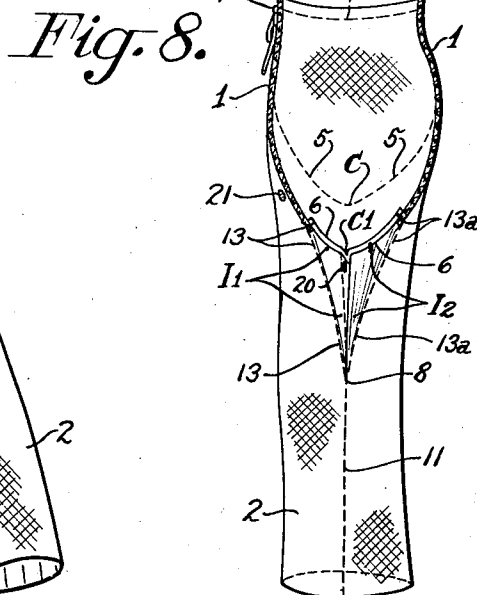
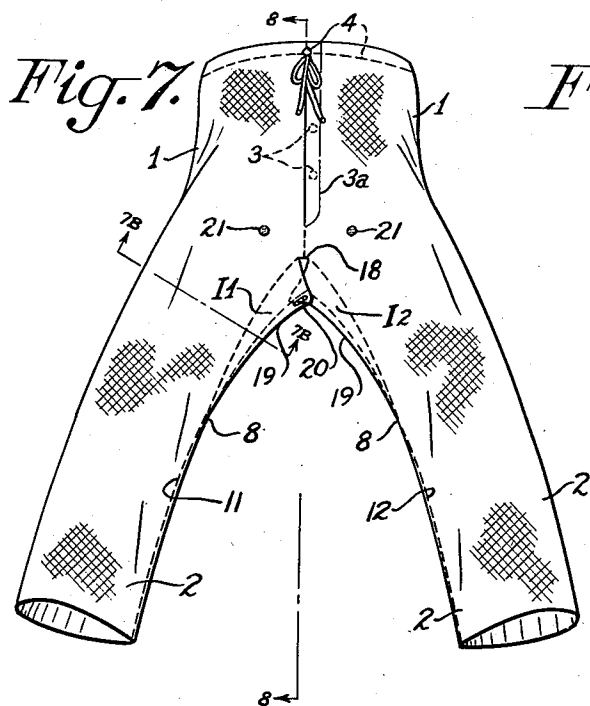
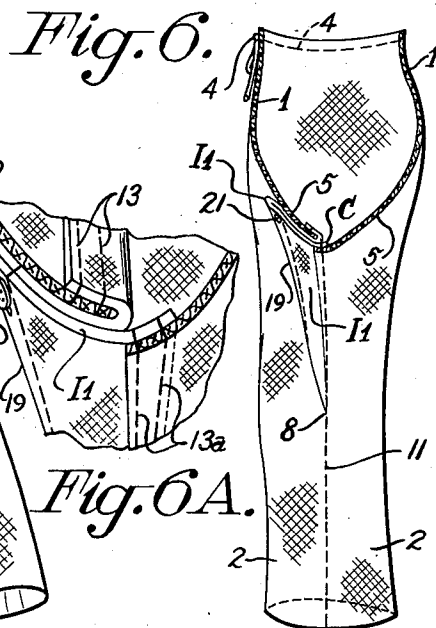
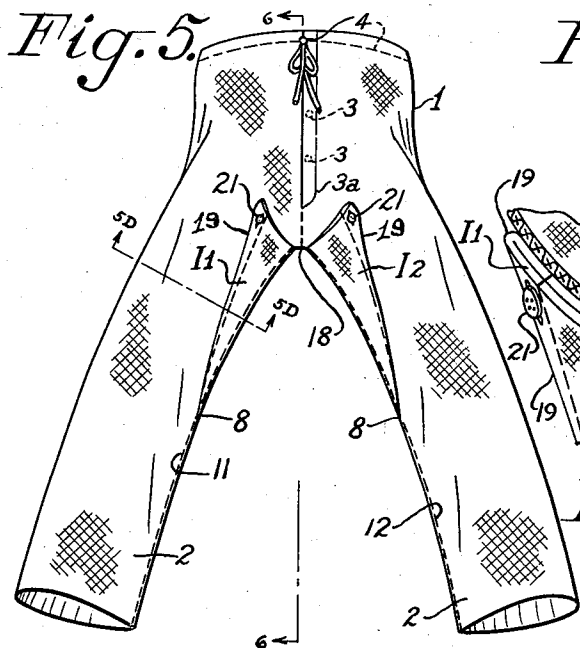
I. B. SMITH

2,264,958

GARMENT

Filed April 7, 1939

4 Sheets-Sheet 3



INVENTOR.

BY

Irving B. Smith
Cecilia S. E. Loret
ATTORNEY.

Dec. 2, 1941.

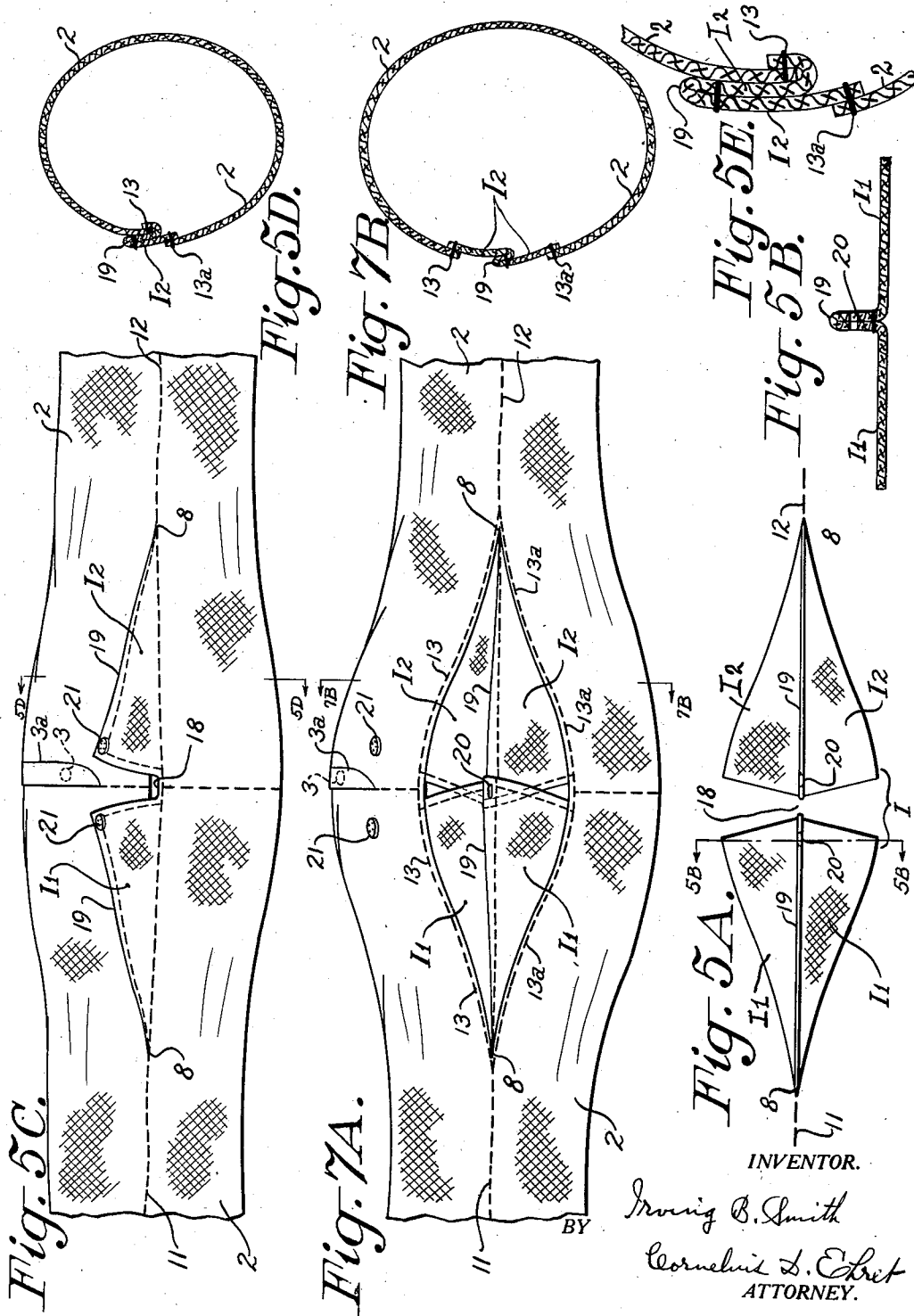
I. B. SMITH

2,264,958

GARMENT

Filed April 7, 1939

4 Sheets-Sheet 4



UNITED STATES PATENT OFFICE

2,264,958

GARMENT

Irving B. Smith, Ambler, Pa.

Application April 7, 1939, Serial No. 266,508

4 Claims. (Cl. 2—227)

My invention relates to bifurcated or trouser-like garments, including those of pajamas or the like worn during relaxation, lounging or slumber; and resides more particularly in structure for effecting different degrees of freedom or fullness in the region of the crotch and upper thighs.

In accordance with my invention, there is provided, in the region of, at or adjacent the crotch, a fullness-imparting portion or portions of a piece or pieces with the garment or its usual component parts, or a fullness-imparting insert, in either case adapted to be secured in idle form or stored when not in use, and which, when released for use, provides, as when the wearer is reclining or lounging or sleeping, materially greater looseness or fullness, in prevention of binding or chafing or tightness at or in the vicinity of the crotch and/or upper thighs, than afforded by the usual or normal size, cut or pattern which for lounging or sleep may cause binding or tightness in the region of the crotch and/or upper thighs; more particularly, the fullness-imparting portion or portions or insert aforesaid may be single or unitary, extending from the crotch to either side thereof to suitable distance downwardly along the inner side of each leg of the garment, or aforesaid fullness-imparting portion or portions or insert may each comprise two members, respectively extending from the crotch or near it laterally and downwardly to suitable extent along the inner sides of the legs of the garment; when not in use, as when the garment is of or substantially of the normal dimensions at and adjacent the crotch, as when the wearer is on his feet or walking about, the fullness-imparting means is either confined inside the garment or is, particularly when divided as aforesaid into two members, folded back against the garment, on the outside thereof; and in either case, there is provided any suitable fastening means, such as buttons, cords, tapes, snaps, zippers or talons, or the like quickly releasable fastening means, detachably to secure and confine the insert structure in one of its positions aforesaid, from which it may be quickly and readily released by opening the zippers or talons, buttons, snaps, or the like, instantly to provide materially increased fullness or roominess with resultant greater comfort, as for lounging or sleeping.

It is further characteristic of my invention that the fullness-imparting means when in use materially lengthens the distance from the waistline of the garment to the newly defined lowered crotch; and in addition may, and preferably does,

afford two degrees of fullness or diameter of each leg at or adjacent the crotch and for any suitable distance below and along each leg, so affording increase in the width and size of the garment in the region of the upper thighs of the wearer.

My invention resides in garments having the structure and characteristics hereinafter described and claimed.

For an illustration of some of the various forms my invention may take, reference is had to the accompanying drawings, in which:

Fig. 1 is a vertical elevational view of a garment, embodying my invention, with the fullness-imparting means, here shown as an insert, detachably fastened in its ineffective position or relation;

Fig. 1A is a view, in plan, of the insert for a construction such as illustrated by Fig. 1;

Fig. 1B is a bottom plan view of a portion of the crotch region and adjacent portions of the legs of the garment of Fig. 1, with the inner sides of said leg portions raised toward a horizontal position;

Fig. 1C is a cross-section on the line 1C—1C of Fig. 1B;

Fig. 2 is a vertical sectional view, partly in elevation, on the line 2—2 of Fig. 1;

Fig. 2A is a fragmentary enlarged view of a sectioned portion of Fig. 2;

Fig. 3 is a front elevational view of the garment of Fig. 1, with the insert released to afford increased fullness;

Fig. 3A is a bottom plan view, similar to Fig. 1B, with the insert released as in Fig. 3;

Fig. 3B is a cross-sectional view on the line 3B—3B of Fig. 3A;

Fig. 4 is a vertical sectional view, partly in elevation, taken on the line 4—4 of Fig. 3;

Fig. 5 is a front elevational view of a garment constituting a modification of my invention, with the insert members or elements detachably fastened in their positions affording increase in fullness;

Fig. 5A is a plan view of the insert structure comprising aforesaid separate insert elements, as utilized in Fig. 5;

Fig. 5B is a cross-sectional view on the line 5B—5B of Fig. 5A;

Fig. 5C is a bottom plan view, in general like Fig. 1B, of a portion of Fig. 5;

Fig. 5D is a cross-sectional view on the line 5D—5D of Fig. 5C;

Fig. 5E is a fragmentary sectional view constituting an enlargement of a portion of Fig. 5D;

Fig. 6 is a cross-sectional view, partly in elevation, taken on the line 6—6 of Fig. 5;

Fig. 6A is a fragmentary enlargement of a sectioned portion of Fig. 6;

Fig. 7 is a front elevational view of the garment of Fig. 5, with the insert elements released, for increase of fullness;

Fig. 7A is a bottom plan view of part of Fig. 7, showing the insert structure of Fig. 5C released;

Fig. 7B is a cross-sectional view on the line 7B—7B of Fig. 7A;

Fig. 8 is a cross-sectional view taken on the line 8—8 of Fig. 7.

Referring to Fig. 1, the trouser-like garment, utilizable for any purposes, more particularly the trousers of pajamas or other garment utilizable for relaxation, lounging, sleeping, or the like, comprises the usual body or trunk portion 1 and legs 2, 2.

The trunk or waist portion 1 may be of any suitable structure, permitting passage therethrough of the legs, and provided with any suitable means for holding the garment in place upon the body of the wearer. For example, the trunk 1, may open down the front for admission of the body, and thereafter closable by buttons 3, or equivalent, as in a commonly employed fly 3a. There also may be provided in lieu of or in addition to the buttons, a drawing cord 4 to draw the upper end of the garment into suitably close contact with the body of the wearer.

With the parts in the position indicated in Figs. 1 and 2, the cut or dimensions of the garment at the crotch C and vicinity correspond with normal size and form when not provided with the fullness-imparting means in accordance with the present invention; which is to say, the distance or depth from the top of the garment or from the waist-line to the crotch C and the region adjacent thereto is such as to afford the usual comfort to the wearer when upon his feet or walking about; under such circumstances, the boundary of the garment downwardly at the front, through the crotch and upwardly at the rear of the garment, is that substantially indicated at 5, Fig. 2.

When, however, the fullness-imparting means is released and effective to provide increased roominess, the distance or depth from the top of the garment or from the waist-line to the crotch is materially increased, the crotch now having the position C1, Fig. 4, which is materially below the normal crotch position C; and the crotch-limiting outline of the garment downwardly from the waist through the crotch and upwardly at the rear of the garment has the new position substantially indicated at 6, 6, Fig. 4.

In accordance with my invention, the extra fullness at or in the region of the crotch, and if desired also for the upper thigh portions of the legs, is obtainable by the employment of a unitary fullness-imparting means, Figs. 1 to 4 inclusive, or by a composite or divided means, Figs. 5 to 8 inclusive.

In that form of my invention in accord with Figs. 1 to 4 inclusive, the fullness-imparting means, generically represented by insert I, may take generally the form illustrated by Fig. 1A, and consist of any suitable material, such as cloth, fabric or equivalent, suitably of the same material of which the trunk and/or legs are formed; it may have its greatest width at 7, the crotch position, from which it may taper or diminish in width to its ends 8, 8, either in straight line or lines, or, as illustrated, in curved lines, 75

yielding a double wedge shaped or generally elliptical or any other suitable form.

In Fig. 1A the unitary insert I is shown as composed of four portions joined, to form the unit, at the longitudinal seam 9 and transverse seam 10, it being understood, however, the insert I may be a single seamless piece of cloth, fabric or equivalent, provided it procures the garment characteristics herein described.

It will be understood also that insert I, though in the example illustrated is substantially symmetrical on both sides of the seams or major and minor axes 9 and 10, such symmetries or either of them may be departed from. The width at or adjacent the middle of the insert affords greater width at and adjacent the crotch of the garment as measured from its front to its rear; and the length of the insert extends on both sides of the crotch to any desired distance downwardly along the inner sides of the legs of the garment. The lines 11 and 12, to the left and right of the ends 8 of insert I indicate what are, if used or present, the seams longitudinally of and on the inner side of each of the legs 2, 2. If the member I has a longitudinal seam 9, it may be more or less in alignment with the seams 11 and 12 of the legs. In any event, the usual inside leg seams 11 and 12, if present, need not extend, as usual, all the way up to the crotch, but may be interrupted at 8, 8, and at those points the leg seams may branch into two seams, such as 13, 13a, Figs. 1B, 3A, which attach the opposite edges of insert I to the neighboring portions of the garment. The so included insert member I gives greater breadth, from front to rear of the crotch and the upper thighs. This crotch and leg width-imparting characteristic of the insert I affords the greater fullness and freedom observable from Fig. 4, for example, in comparison with the normal or usual relation indicated in Fig. 2 in which the insert, folded or in the form of a collapsed pocket, is ineffective or inoperative for aforesaid purposes, and is stored inside the garment, and lies against its walls at and adjacent the crotch C and upper thigh portions of legs 2, now of normal size; as indicated in Figs. 2, 2A, it may fold at or form tucks 14, 14.

It shall be understood the insert I, Fig. 1A, and the insert members I1 and I2, Fig. 5A, generically represent fullness-imparting means both when integral or of a piece with garment or garment components, in which case aforesaid seams 13, 13a, Figs. 1B and 1C, and Figs. 5C—5C, are unnecessary, and when consisting of a separate structure or structures stitched to the usual garment or garment components, as at aforesaid seams 13, 13a or elsewhere. And that form of my invention illustrated in Figs. 1—4 inclusive, when the fullness-imparting means is of a piece or integral with the garment or garment components, the means for detachably securing the fullness-imparting means in its ineffective relation or position, such as talon fasteners or the like, will be applied or effective at and along positions generally corresponding with the positions shown in Figs. 3A and 3B, that is, at and along the margins of the fullness-imparting area or areas.

Detachably to secure or store the fullness-imparting means in its idle or ineffective position, there may be applied at suitable intervals along one or the other of aforesaid seams 13, 13a, preferably the one on the front side of the garment,

buttons, snaps or the like, coacting with buttonholes or snap elements disposed at like intervals along the opposite seam 13a or 13 as the case may be, so holding the fullness-imparting means or insert, folded or collapsed with its opposite margins or edges brought together, in the position within the garment indicated in Figs. 1, 1B, 1C, 2 and 2A.

Preferably, however, as indicated in Figs. 1 to 4 inclusive, there are applied along any suitable extents or portions of the seams 13, 13a, or opposite edges of the insert I, coacting or interlocking elements 15, 15a, Figs. 3-4 inclusive, of a zipper or talon fastener, which, as usual, is supplied with the manually operable slide or actuating element 15b; and when slide member 15b has been operated to bring the members 15 and 15a into interlocking engagement, consequently bringing the opposite edges of the insert I together, or in effect closing the pocket, fold or tuck formable thereby, the fastener parts are in the position indicated at 16, Figs. 1, 1B, 1C, 2 and 2A.

Whatever the type of fastening means for holding the opposite edges of the fullness-imparting means or insert together, it is preferable it be of a type, such as above and hereafter described, which is quickly operable either to secure the edges of said means or insert together or to release them, and so quickly transform the garment from one of normal snugness or fit, to one of materially increased fullness and roominess, at or in the region of the crotch and/or at or throughout any suitable extent of the inner sides of the upper portions of the legs.

As indicated in Figs. 1, 1B, 3 and 3A, there is left a space 17, at and immediately adjacent the crotch, at which the sides of the insert I are not fastened together, so entirely preventing any possible discomfort to the wearer occasioned by fastening means if applied within that space. However, it shall be understood that, if desired, fastening means may also be applied within or throughout space 17, or continuously from 8 to 8.

In Figs. 5 to 8 inclusive, the principle is the same as and the structure generally like that described in connection with Figs. 1 to 4 inclusive. In this modification, however, the fullness-imparting means, as insert I, Fig. 5A, is comprised of two parts, components or members 11 and 12, individually securable in idle or ineffective position, and conjointly forming when released any outline or configuration suitable to effect the herein described results. The components 11 and 12 may meet or even overlap at the crotch, or, as indicated in Fig. 5A, they may fall somewhat short of each other, as indicated by the spacing 18. The greatest width of members 11, 12 at or adjacent the crotch may be made anything suitable or desirable, and their lengths may be made anything suitable or desirable, their ends 8, 8 substantially coinciding with the upper ends of the inside seams 11, 12, if present, of the legs 2, 2.

Each of the insert members 11, 12, throughout its length, substantially at its middle, or preferably in any event at or adjacent its end nearest approaching its companion member, is provided with a fold or fin 19 provided with a buttonhole 20 adapted to engage over a button 21 secured at suitable position on the garment.

In Figs. 5, 5C to 5E inclusive, and Figs. 6 and 6A, each of members 11 and 12 is shown folded upon itself, along its major length or axis, against the side of the garment, and there stored, idle, by engagement of the buttonhole 20 with its button 21. In these figures also the seams 11, 12, 13 and

13a, if used, are indicated generally the same as in Figs. 1B and 1C.

With the members 11 and 12 so folded and buttoned to the outer side of the garment, the latter is of normal size or fit, with the crotch at C, Fig. 6, and the garment wall 5, 5, adjacent the crotch C, has the position indicated. Such positions of the parts give the usual or snug fit of the garment, utilized and satisfactory generally when the wearer is on his feet or walking about. When, however, the members 11, 12 are released or unbuttoned, they take the positions indicated in Figs. 7, 7A, 7B and 8, in which event the crotch has been materially lowered, as indicated at C1, Fig. 8, materially below the usual or normal crotch position C; and the garment wall immediately adjacent the crotch C1 then is formed by the inner or adjacent ends of the members 11 and 12; so affording fullness or roominess at the crotch C1, and adjacent thereto, including the upper thigh portions of the leg members 2, 2, with the results and operative characteristics described in connection with Figs. 1 to 4, inclusive.

Any suitable fastening means, other than buttons, may be employed to fasten the components 11, 12 in their stored or idle positions. For example, the interlocking members of a talon or zipper fastener may be secured, respectively, along each fin 19 and upon the garment.

Figs. 1C and 5D, compared, respectively, with Figs. 3B and 7B, indicate the enlargement of diameter or increase in fullness of the garment legs 2 at the upper thigh portions thereof; and comparison of Figs. 1B and 5C, with Figs. 3A and 7A, respectively, shows the increase in width or fullness at the crotch and increase in circumference or diameter effected at the upper thigh portions of legs 2.

For brevity in the appended claims, the terms "insert," "insert structure," and the like, shall be understood as generic and to comprehend both distinct inserts, insert members, or insert structures, and fullness-imparting means of a piece or integral with the garment or garment components.

What I claim is:

1. The combination with a trouser-like garment comprising a body and leg portions extending below said body, of insert structure in the crotch imparting fullness from front to rear of the crotch and said insert structure comprised in said leg portions imparting fullness circumferentially of said leg portions, and means quickly raising and lowering the crotch and decreasing and increasing the circumference of said leg portions comprising manually operable means for detachably securing and releasing said insert structure against and to fullness-imparting relations to said crotch and said leg portions, said manually operable means comprising cooperating fastening elements secured to the garment in the region of the crotch at places spaced from each other from front to rear and including therebetween at least a portion of said insert structure.

2. The combination with a trouser-like garment comprising a body and leg portions extending below said body, of insert structure in the crotch imparting fullness from front to rear of the crotch, said insert structure comprised in said leg portions and imparting fullness circumferentially of said leg portions at the inner sides thereof adjacent their junction with said body, and means quickly raising and lowering the crotch and decreasing and increasing the cir-

cumference of said leg portions comprising manually operable means, including cooperating fastening elements secured to the garment on opposite sides of at least a portion of said insert structure, detachably securing said insert structure collapsed within the garment and releasing it to fullness-imparting relations to said body and said leg portions.

3. A garment having a trunk covering portion, leg portions and a crotch, the garment having fullness imparting width and from the front to rear in the crotch and from the waist to the crotch, and means for decreasing the fullness of the garment from front to rear in the crotch and for decreasing the distance of the crotch from

the waist, said means comprising manually operable means including cooperating fastening elements secured to the garment at places spaced from each other from front to rear in the region of the crotch, with at least a portion of the crotch included between said spaced fastening elements, for detachably holding said portion of the crotch in folded position to take up the fullness of the garment in the region of the crotch.

4. A garment according to claim 1 wherein said cooperating fastening elements are secured to each leg portion in the region of the crotch and are spaced from each other circumferentially of each leg portion.

IRVING B. SMITH.