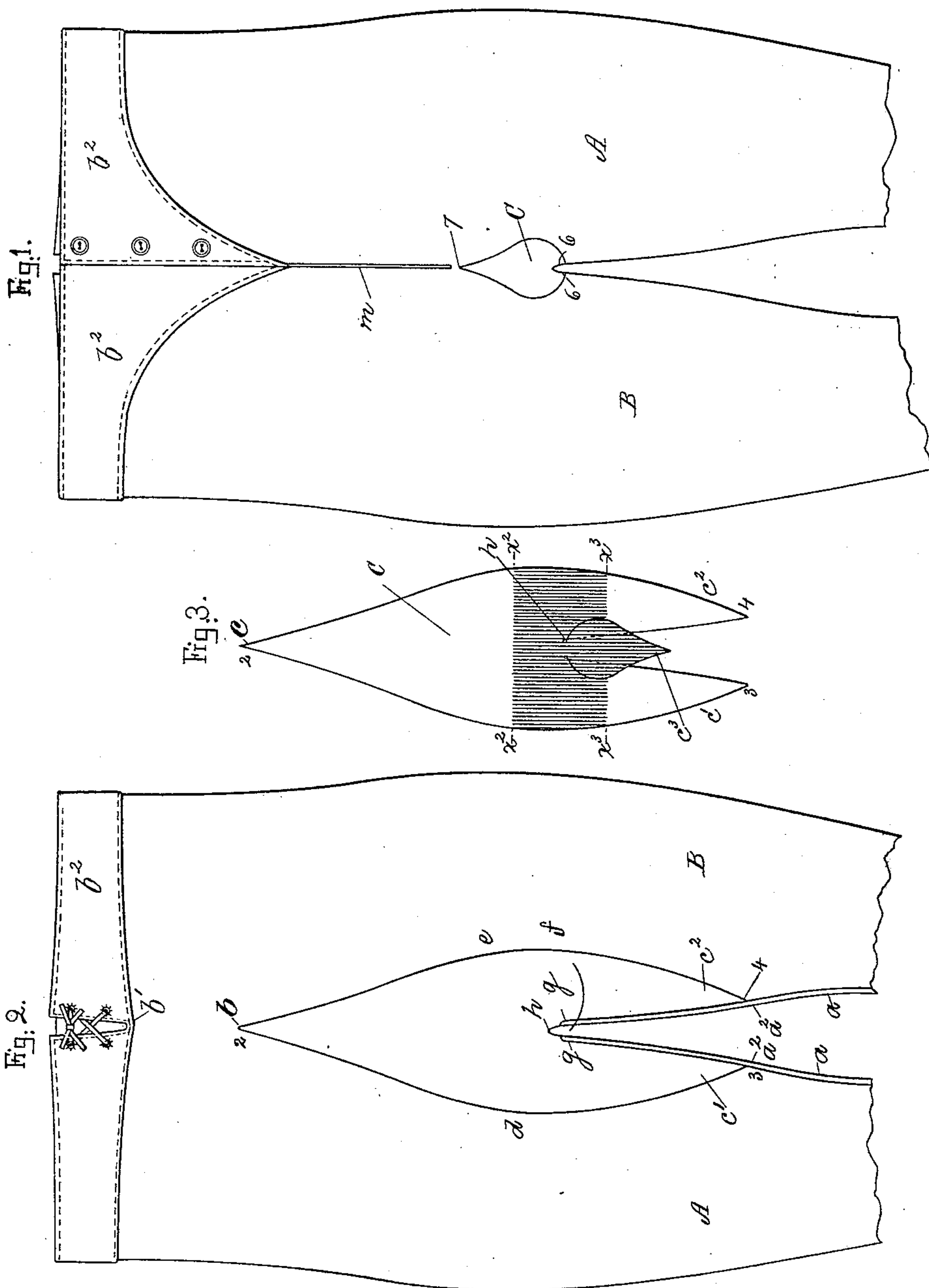


(No Model.)

J. HOLMES.  
KNITTED DRAWERS.

No. 451,051.

Patented Apr. 28, 1891.



Witnesses  
Edward F. Allen  
Jas H. Churchill

Inventor  
John Holmes.  
by Crosby & Gregory  
Attys.

# UNITED STATES PATENT OFFICE.

JOHN HOLMES, OF BOSTON, MASSACHUSETTS.

## KNITTED DRAWERS.

SPECIFICATION forming part of Letters Patent No. 451,051, dated April 28, 1891.

Application filed December 24, 1890. Serial No. 375,727. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN HOLMES, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in 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.

This invention has for its object to improve that class of garments known as "drawers" or the like, my improvement providing for extra fullness and strength at the points subjected to greatest strain.

In accordance with this invention the rear portion or seat of the garment is provided with a gore-piece presenting three flaps at one end, all of which will preferably be pointed, the central flap being shown as widened between its end and its junction with the main body of the gore-piece, the side edges of the gore being connected with the side edges of the seat and the side flaps being connected into the inner seams of the legs below the crotch, while the middle flap is carried through the crotch and up to the front of the garment.

I will now proceed to explain the principle of my invention by means of the accompanying drawings, and then will particularly point out and distinctly claim the part or improvement which I claim as my invention.

Figure 1 shows a sufficient portion of a pair of drawers to illustrate my invention; Fig. 2, a rear side view thereof, and Fig. 3 shows the gore-piece detached.

In the manufacture of drawers in accordance with my invention the blanks for the production of the two legs AB are knitted as flat blanks and in the regular way.

The gore, preferably knitted by narrowing and widening, is shaped, as shown at C, to leave an upper end  $c$  and three pointed tabs  $c' c^2 c^3$ , the tabs  $c' c^2$  being longer than the tab  $c^3$ , the latter tab being wider between its end than the space between the tabs  $c' c^2$ , such additional width affording additional fullness in the crotch. Preferably the gore will be thickened or strengthened by the addition of an extra thread, so as to make the gore stronger between the lines  $x^2$  and  $x^3$ ,

where the drawers are subjected to the greatest wear.

In the manufacture of the drawers from the proper blanks the blanks for the production of the legs are doubled on themselves and the edges of the fabric for each leg are stitched together to make legs each with an inner seam  $a$  up to the points  $a^2$ , and the blanks are united one to the other from the points  $b$  to  $b'$ , (see Fig. 2,) and a waistband  $b^2$  is applied of any usual shape.

The edge 2 to 3 of the gore is stitched to the leg part A along the line 2  $d$  3, while the edge 2 to 4 is stitched to the fabric for the leg or half B along the line 2  $c$  4, (see Fig. 2,) the tabs  $c' c^2$  being extended down along the legs below the crotch  $f$ , the inner edges of the said tabs being secured to the leg portions along the lines 3  $g$  and 4  $g$ .

The tab  $c^3$ , starting from the gore-piece C at  $h$ , (see Fig. 3,) is in practice stitched from  $h$  to  $g$  to the edges of the tabs  $c' c^2$ , and then the narrowed extremity of the central tab  $c^3$  is carried under the crotch and the end of the tab stitched to the front plies of the legs along the lines 6 7, as in Fig. 1, substantially to the fly-opening  $m$ . This broad but short tab provides fullness for the crotch and obviates straining the drawers, so as to tear them.

I prefer to have the gore in one single piece without seams; but my invention would be the same should the tabs be stitched to the main part of the gore.

A gore-piece without the central tab  $c^3$  has been used prior to the filing of this application; but the addition of the said tab affords greater fullness and adds materially to the strength, set, and durability of the garment in the crotch, where the strain on the garment is greatest.

I claim—

1. A nether garment comprising leg portions and a gore-piece applied to the seat of the garment, and having substantially parallel tabs  $c' c^2$  applied to the rear portions of the leg portions, and an intermediate tab widened between its ends and carried across the crotch forwardly to the front of the garment, substantially as described.

2. A nether garment comprising leg por-

tions and a gore-piece thickened between its  
ends and applied to the seat of the garment,  
and having substantially parallel tabs  $c'$   $c''$   
applied to the rear portions of the leg por-  
5 tions, and an intermediate tab widened be-  
tween its ends and carried across the crotch  
forwardly to the front of the garment, sub-  
stantially as described.

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

JOHN HOLMES.

Witnesses:

BERNICE J. NOYES,  
EDWARD FALLEN.