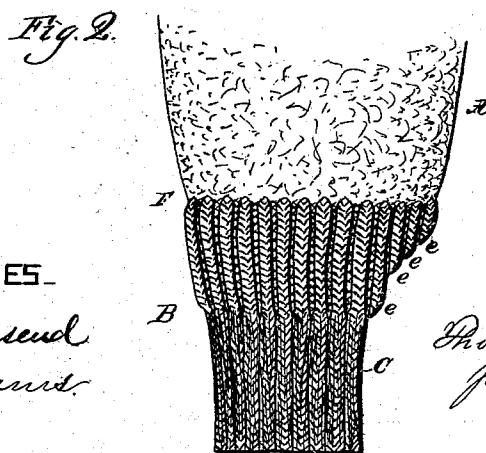
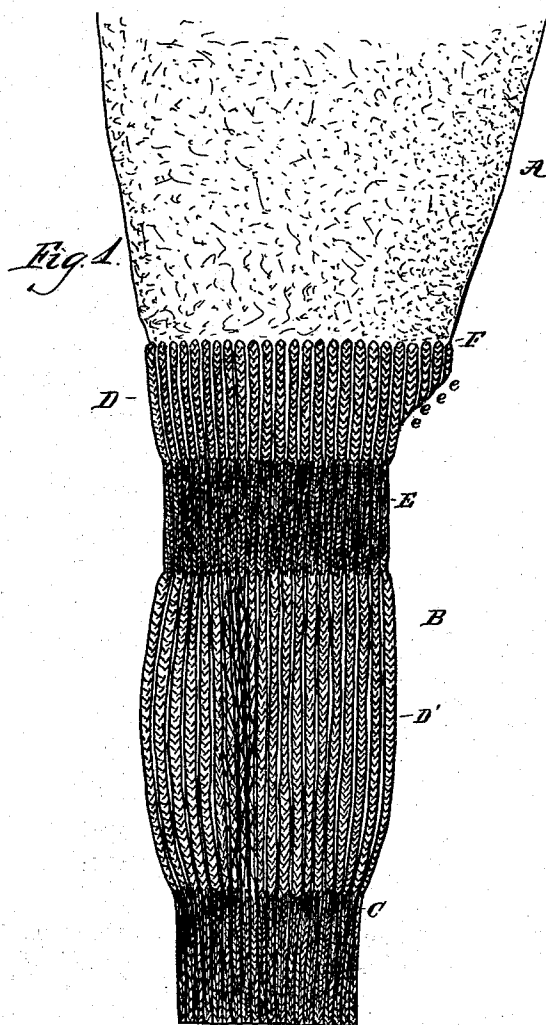


(No. Model.)

T. B. FARRINGTON.
UNDERGARMENT.

No. 252,201.

Patented Jan. 10, 1882.



WITNESSES.

F. B. Townsend
W. C. Adams.

INVENTOR.

Thomas B. Farrington
per W. C. Adams
Attorney

UNITED STATES PATENT OFFICE.

THOMAS B. FARRINGTON, OF MINNEAPOLIS, MINNESOTA.

UNDER-GARMENT.

SPECIFICATION forming part of Letters Patent No. 252,201, dated January 10, 1882.

Application filed January 31, 1881. (No model.)

To all whom it may concern:

Be it known that I, THOMAS B. FARRINGTON, of Minneapolis, State of Minnesota, have invented certain new and useful Improvements in Under-Garments; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to woven-cloth undergarments provided with knit elastic extremities. It consists, first, in a pair of cloth drawers having the knit extremities attached to the upper cloth part at or above the knee, or, in other words, having the knit portions of such length as to cover the calf; second, a knit extremity, as described, provided with two more especially contractile parts, one at the ankle and one above the calf; and, third, in a knit end intended to be attached to the arm or sleeve of a cloth garment, the upper margin widened by an increased number of stitches toward the edge, by which it is to be attached to the cloth.

The object of the first feature of the invention is to provide a pair of drawers having in the upper portion the durable qualities pertaining to cloth, while having below the knee the close fit characteristic of the knit garment, and the advantage, therefore, of allowing the stocking to lie smoothly over it and of materially increasing the comfort of the garment to the wearer.

The object of the second feature mentioned—namely, the upper specially contractile portion above the calf—is to insure a more perfect fit of the garment to the lower limbs, and to prevent the lengthened knit portion from falling about the calf from being connected with the loose upper part—in other words, to give to the knit part extending from the knee downward a support independent of the upper part of the garment.

The object of the third feature of my invention is to prevent the puckering of the cloth part at the point of attachment which resulted from simply stretching out the knit part to the size of the cloth in connecting the two, as heretofore practiced, and as illustrated in the Patent No. 228,748, granted to me June 15, 1880.

In the drawings, Figure 1 represents a leg of a pair of drawers containing all my improvements, and Fig. 2 is an ankle-piece attached to a cloth drawers-leg and containing the third feature of improvement mentioned above.

The same letter indicates the same part in both figures.

A represents the cloth leg of the garment, and B the knit end as a whole. In Fig. 1 said knit portion is shown as comprising the lower more contractile portion, C, the upper widened portion, D, and the intermediate contractile part, E, located to closely embrace the leg below the knee, and cutting off from the less contractile part D the extended calf portion D'.

The line of juncture F of the cloth and knit parts in Fig. 1 is located at and preferably a little above the knee, as shown. The garment may therefore closely embrace the leg from the knee downward and enable the stocking to lie smooth over it and without exhibiting those unsightly and uncomfortable folds of the under-garment present when the cloth part A extends to the ankle.

The part E, more contractile than the calf portion D' or the higher loosely knit part D, contributes to the comfort and improved appearance above mentioned, both directly by contracting properly about the smaller part of the leg above the calf and indirectly by supporting the lower portions from slipping down about the ankle, as all knit drawers are inclined to do.

The knit extremity B has been heretofore applied to the larger cloth part A by stretching the upper edge of said knit portions to the size of the cloth part at the point of attachment F when connecting the two. The result has been that the knit edge when released would contract and pucker the cloth, giving to the garment a bungling appearance when exposed for sale, and also requiring more space in packing from failure to lie smooth in the box. I have therefore gradually widened the upper margin of the knit part D by the addition of stitches from a short distance below the edge, so that said edge is substantially (that is, without special stretching) of the full size of the cloth edge to which it is attached, and puckering of said cloth edge is avoided. The

gradual widening is indicated at *ee*, where the knit portion is here supposed to be joined vertically by a back seam, the knit end B being knit in a flat rib and the additional stitches
 5 being introduced upon both of the selvage edges until the upper margin without stretching equals in length the edge of the cloth to which it is to be joined.

The cloth and knit parts are preferably
 10 united before finally seaming the garment, and the vertical seams of the latter are made continuous with the last and inclined seam of the cloth part or body A. The widening of both parts may thus be brought on the same margin
 15 of the folded garment, and the whole will lie smooth when folded at this inclined seam.

The improvements described, which relate to the widening of the knit end of a partly cloth and partly knit garment, are obviously
 20 equally applicable whether the knit portion be long, as shown in Fig. 1, or short, as shown in Fig. 2, and Fig. 2 may equally represent a sleeve and wristlet or a leg and anklet. So, also, the second feature of my invention is
 25 equally applicable to a pair of drawers entirely knit.

I claim as my invention—

1. A pair of drawers composed of an upper cloth part, A, and close-fitting lower knit part,
 30 B, joined above the calf, substantially as described, and for the purposes set forth.

2. In a pair of drawers having knit extremities extending from the ankle to a point above the calf, said extremities having two more
 35 contractile parts, one about the ankle and the other about the leg, at a point above the calf and below the knee, substantially as described, and for the purposes set forth.

3. In a garment composed of the cloth part A and the knit extremities B, the upper margin of said knit portions enlarged by increase
 40 of stitches to practically equal the cloth part in size, substantially as described, and for the purposes specified.

4. In a garment composed of a cloth body and
 45 knit end, as described, said knit ends produced in a flat web and widened at the top by additional stitches upon the selvage edges to equal the width of the cloth part at the point of juncture and vertically seamed in line with the inclined seam of the cloth part, substantially as
 50 and for the purposes set forth.

In testimony that I claim the foregoing as my invention I affix my signature in presence of two witnesses.

THOMAS B. FARRINGTON.

Witnesses:

E. P. GREEN,
 O. J. BAILEY.

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