

N. H. BRUCE.  
Knitted Garments.

No. 159,891.

Patented Feb. 16, 1875.

Fig. 1.

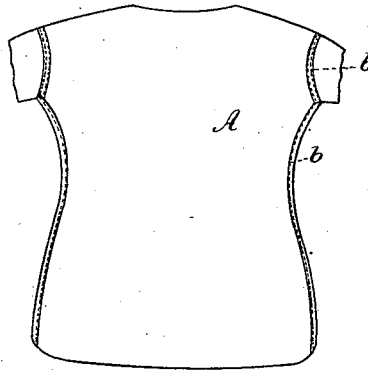


Fig. 2.

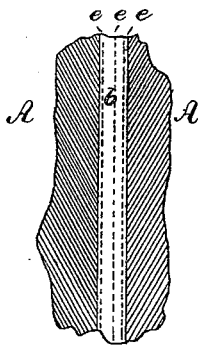


Fig. 6.

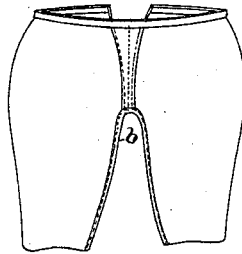
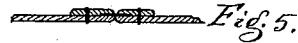
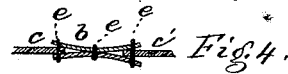


Fig. 3.



WITNESSES.

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# UNITED STATES PATENT OFFICE.

NORMAN H. BRUCE, OF CLINTON, MASSACHUSETTS.

## IMPROVEMENT IN KNITTED GARMENTS.

Specification forming part of Letters Patent No. **159,891**, dated February 16, 1875; application filed February 10, 1875.

*To all whom it may concern:*

Be it known that I, NORMAN H. BRUCE, of Clinton, in the county of Worcester and State of Massachusetts, have invented an Improved Seam for Knitted Goods, of which the following is a specification:

My invention relates to garments or articles of knitted material united by a seam-piece, substantially as hereinafter described; also, in a new seam for, or method of, uniting knitted garments.

Figure 1 is a view of a knitted vest. Fig. 2 is a full-sized view of the seam, shown as connecting or forming the selvage or other edges of knitted garments, the garment being broken away. Fig. 3 is a section of the seam-forming tape, and Fig. 4 is a section of the same with knitted goods placed therein and stitched. Fig. 5 shows an ordinary seam, and Fig. 6 represents a pair of drawers.

In the drawing, A represents knitted garments—vest and drawers—having the sides or edges of the knitted material or web joined by my improved seam. The knitted material A forming the garment, whether for drawers, vests or wrappers, has its edges or selvage edges placed between the edges of the quadruple-edged tape *b* and the edges *c c'* of the tape, and the inclosed knitted goods are united by one or more rows of stitching, *e*. This tape may be formed by stitching it longitudinally through the center, or nearly so, and the edges of the knitted fabric are then inserted, as shown.

My improved seam consists of the quadruple-edged tape, united as described, and of the edges of the knitted fabric and the two rows of stitching, uniting the tape and knitted goods.

Heretofore in uniting knitted goods it has been customary to lap or fell the seams, making them coarse and clumsy; or the edges have been left to project, forming an objectionable edge, to be afterward sewed, or at times such edges are not sewed; or else the edges have been united by sewing through the loop directly at the edge of the knitted fabric; but this cannot be done on bias-cut knitted goods. Knitted goods have also been stitched over and over by a button-hole stitch.

My seam, composed of the quadruple-edged tape and lines of stitching, makes a strong seam, a smooth seam, not objectionable to the person, not bungling, and one cheaply and easily produced. The seam forms a firm holding means for the edges of the garment, and prevents the distension of the garment at that point, so as to obviate breaking stitches, as is common in knitted goods when stretched.

With this my improved seam I can use a lock-stitch, if desired.

I am aware that a quadruple-edged tape is not, broadly, new, and I do not, therefore, claim such tape broadly.

Having described my invention, I claim—

A knitted shirt or other garment, the edges of which are united by means of a quadruple-edged tape, substantially as described and shown.

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

NORMAN H. BRUCE.

Witnesses:

J. B. CROSBY,  
S. B. KIDDER.