

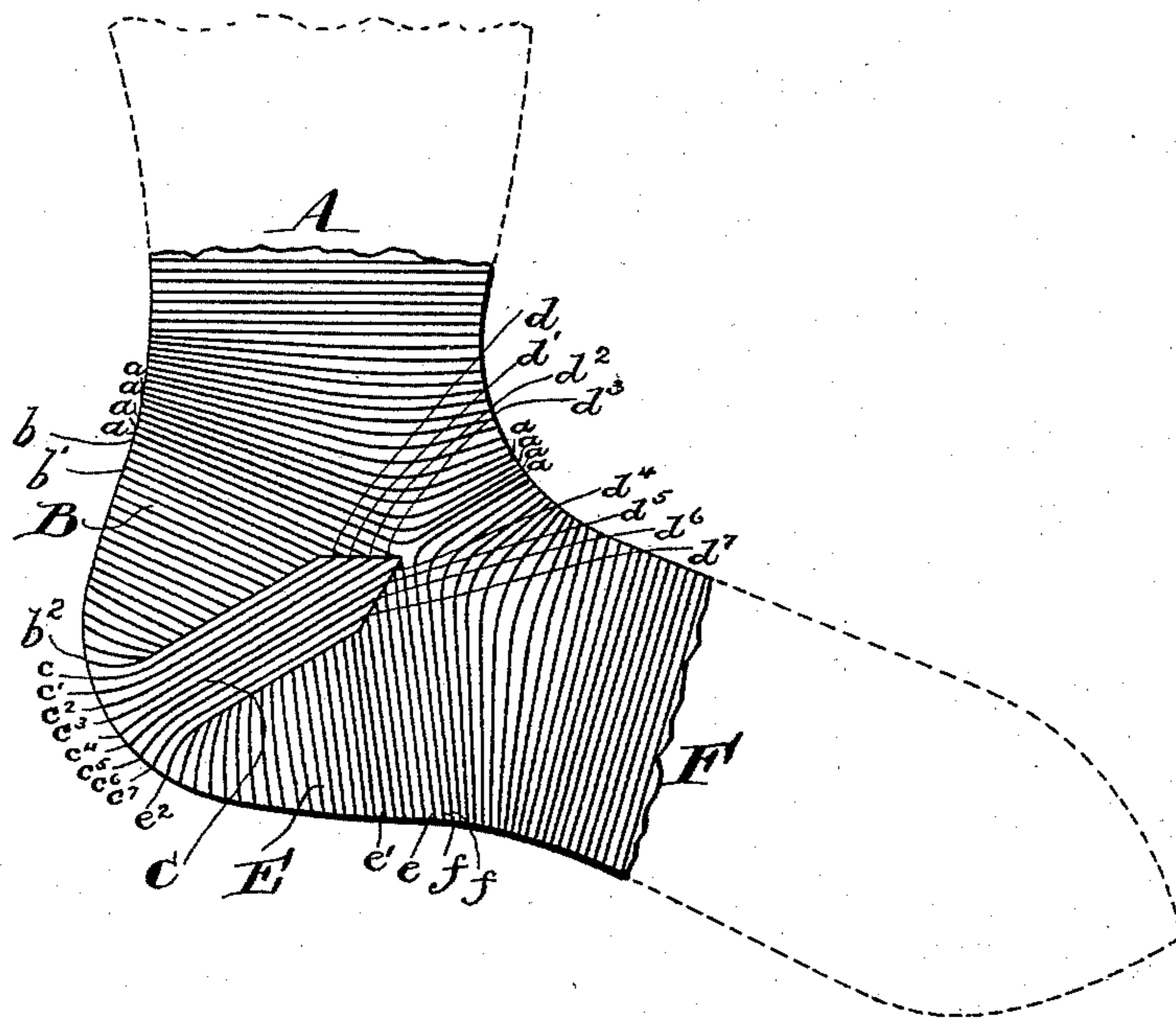
(No Model.)

E. R. BRANSON.

STOCKING AND METHOD OF KNITTING SAME.

No. 495,660.

Patented Apr. 18, 1893.



Witnesses:

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Inventor:

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UNITED STATES PATENT OFFICE.

EDWIN R. BRANSON, OF PHILADELPHIA, PENNSYLVANIA.

STOCKING AND METHOD OF KNITTING SAME.

SPECIFICATION forming part of Letters Patent No. 495,660, dated April 18, 1893.

Application filed February 19, 1892. Serial No. 422,075. (No specimens.)

To all whom it may concern:

Be it known that I, EDWIN R. BRANSON, of the city and county of Philadelphia, State of Pennsylvania, have invented a certain new and useful Improvement in Stockings and Methods of Knitting the Same, of which the following is a true and exact description, reference being had to the accompanying drawing, which forms a part of this specification.

My invention relates to the art of forming a heel or heel-like projection in knit fabric, being primarily adapted for stockings, but useful also for knee caps or other articles requiring a rounded projection from a tubular fabric.

The object of my invention is to form the heel or heel-like projection with a more gradual rounding shape than has heretofore been customary, and this I accomplish by interposing between the usual narrowed and widened triangular sections ordinarily used in forming the heel, a band of two or more straight rows of stitches, preferably narrowing to a point when more than two rows are used where the rows merge in the wider portion of the triangular sections. The article thus formed as well as the way of forming it are both, I believe, new with me, and are both intended to be protected herein.

The article and process will be best understood as described in connection with the drawing in which it is illustrated, and in which—

A is the leg portion of a stocking formed as shown of continuous rows of stitches $a a a$, &c.; depending from one side of this leg portion is a triangular section B formed by narrowing or shortening each consecutive row of stitches from b to b^2 . The triangular flap B having been thus formed the next line of stitches indicated at c is carried over the narrowed end of section B and up along its side. The following rows $c' c^2 c^3$, &c., passing backward and forward over the end and up the sides of the triangular section, forming a straight band C. Preferably this band C is formed with a triangular end where it merges with the broader end of the section B, the line of stitches c terminating with a row of stitches b' at some distance below the row b , at which the triangular section starts, and the following rows of stitches $c^2 c^3$, &c., each extending a little farther up toward the wider portion of the section B until the central row or rows

merge in the line b or a line close to it. On the other or lower side of the central line or lines of band C, the lines of stitches $c^6 c^7$ are correspondingly shortened, giving the band C the tapered or angular ends illustrated in the drawing. The band having been formed as above described is united with a triangular section E formed by successively widening or lengthening the rows of stitches beginning with the row e^2 and continuing until the row e is reached, said last mentioned row being that next to a line of stitches f which is the first line of stitches in the series forming the footpart F of the stocking; the stitch rows from e^2 to e are knit into the edge of band C.

It will be readily seen that the stocking formed as above described can be provided with as broad or well rounded heel as may be necessary or desirable, and the advantage of this construction is of course obvious.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, a fabric having portions A and F united on one side by narrowed and widened sections B and E, and an independent connecting band C interposed between said sections, all substantially as and for the purpose specified.

2. As a new article of manufacture a knit fabric having portions A and F united on one side by narrowed and widened sections B and E and an independent connecting band C interposed between said sections and having an angular end where it merges in the broader portions thereof, all substantially as and for the purpose specified.

3. The method of knitting stockings and similar goods as specified, which consists in forming a leg portion; then narrowing continuously to the apex of the heel or thereabout; then carrying two or more rows of stitches over the end and up the sides of the narrowed section, then widening continuously from the apex of the heel or thereabout and knitting the end of each row of stitches into the intermediate band, and finally forming the foot section, all substantially as and for the purpose specified.

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Witnesses:

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