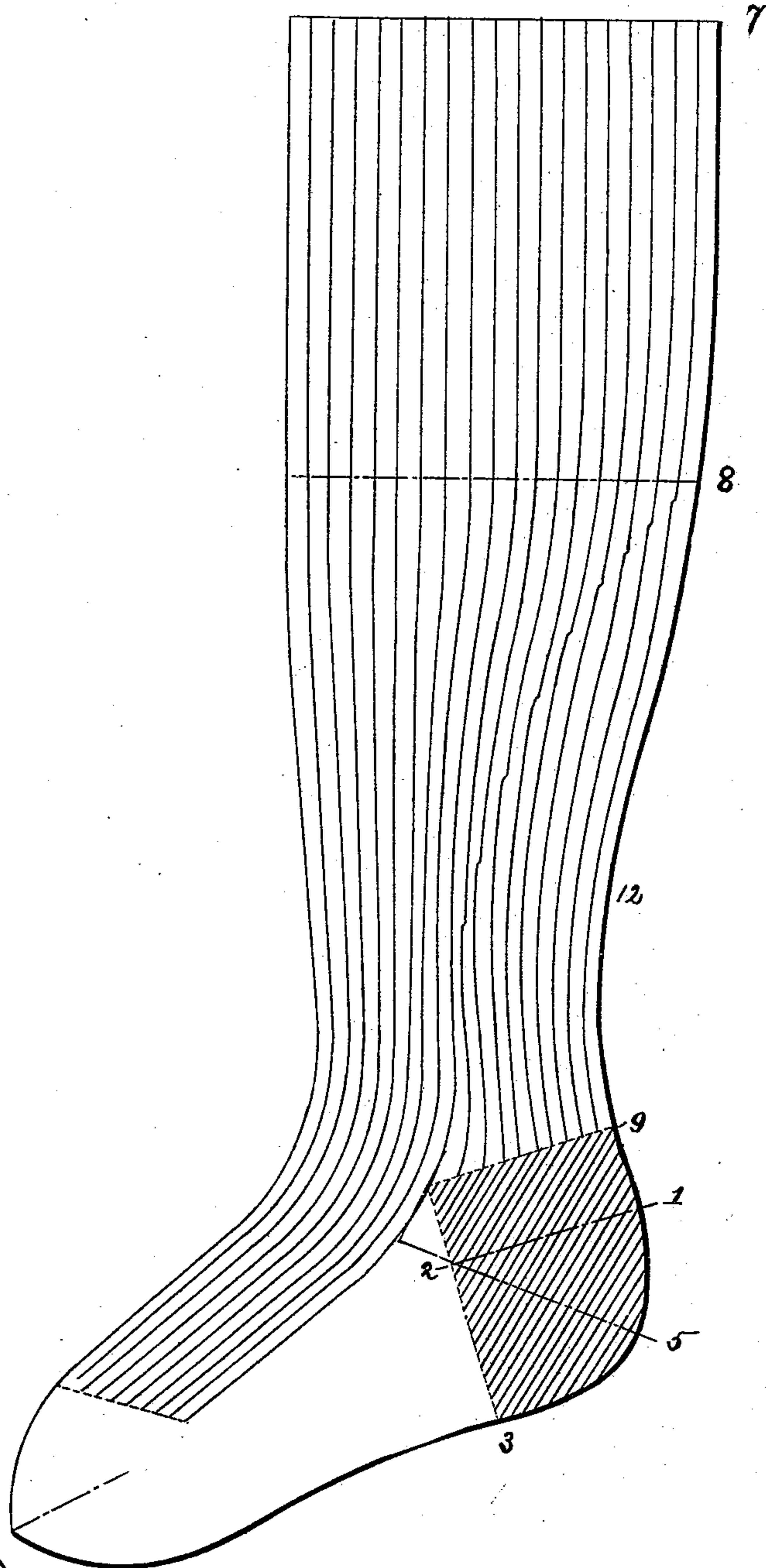


(No Model.)

H. J. GRISWOLD.
STOCKING.

No. 472,873.

Patented Apr. 12, 1892.



Witnesses
Jno. G. Hunkeler
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UNITED STATES PATENT OFFICE.

HENRY JOSIAH GRISWOLD, OF LEICESTER, ENGLAND.

STOCKING.

SPECIFICATION forming part of Letters Patent No. 472,873, dated April 12, 1892.

Application filed June 15, 1888. Serial No. 277,192. (No specimens.)

To all whom it may concern:

Be it known that I, HENRY JOSIAH GRISWOLD, a citizen of the United States, and a resident of Leicester, England, have invented certain new and useful Improvements in Stockings, of which the following is a specification.

My invention is a ribbed-knit stocking constructed as fully set forth hereinafter, and is intended to secure a uniform ribbed character at the front of the stocking and to fashion the latter to the contour of the leg.

The drawing illustrates my improved stocking and the method of shaping the same.

In Letters Patent No. 229,401, granted to me on the 29th day of June, 1880, is set forth a stocking fashioned by intakes on each rib, the rows of stitches in all of the parallel ribs decreasing in number from below the top toward the heel, thus reducing the size of the ankle to four-fifths the size of the leg.

While the method set forth in my aforesaid patent is practicable with wide ribs and secured a most desirable fashioning of the stocking it necessitated the reduction of the width of the ribs around the front portion as well as the back portion of the stocking, and to avoid this result and at the same time to enable the stocking to be made more rapidly, and to improve the character of the stocking I make the latter with a two-and-one rib, which is much preferable in many instances to a stocking made with a four-and-one rib, and I reduce the width of the ribs at the back portion of the stocking only, and, as will be seen, instead of removing or reducing one-fourth portion of each rib, as before, I reduce certain ribs to the extent of one-half. By this means while the ankle of the stocking is one-fifth narrower than the top this result is obtained without any variation in the character of the work at the front half of the stocking, and in the manufacture of the stocking it is necessary to vary the work only upon one-half of the tube of knitted work instead of all around, as before, and the front half of the leg of the stocking is knit upon the same needles without variation, and, if desired, the whole length of the stocking.

I preferably knit stockings in continuous lengths, the top of one stocking being joined

onto the toe of the next, and so on. After the knitting is finished the stockings are severed from each other and the toes closed up in the well-known manner.

In knitting my improved stocking I start the same in the usual manner, and I then proceed to knit the top of the leg the length required, from seven to eight. I then begin the narrowing by taking out one cylinder-needle directly at the front of the machine (which forms the back of the stocking) and put its stitch over the adjoining cylinder-needle and knit, say, six rows. I then take out a cylinder-needle of the rib next on the left and a cylinder-needle from the rib next on the right of the first one and place their stitches on the adjoining cylinder-needles. I then knit six more rows and narrow again by taking out a cylinder-needle on each side, as before, and so on until I have gone half round the cylinder. The front half of the machine is now knitting one-and-one and the back half two-and-one ribbed work. I then knit, say, two inches for the ankle, (from twelve to nine,) after which the foot portion is formed in the same way as heretofore usual in the art. Before beginning the heel the dial-needles of the front half of the machine are removed and their stitches are transferred to cylinder-needles which are inserted in the empty grooves of the needle-cylinder. At this time all the cylinder-grooves are filled with needles. As will be obvious, the heel, lower half of the foot, and toe portion will be knit plain.

What I claim is—

As a new article of manufacture, a ribbed stocking having the ribs composing its front half uniform in width for the whole length of the leg and the ribs at its back reduced in width, the reductions in the rearmost ribs beginning nearer the top of the stocking than those farther toward the front, thus gradually narrowing the stocking-leg toward the ankle, substantially as set forth.

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

HENRY JOSIAH GRISWOLD.

Witnesses:

H. N. GLEASON,
HENRY JAHRNS.