

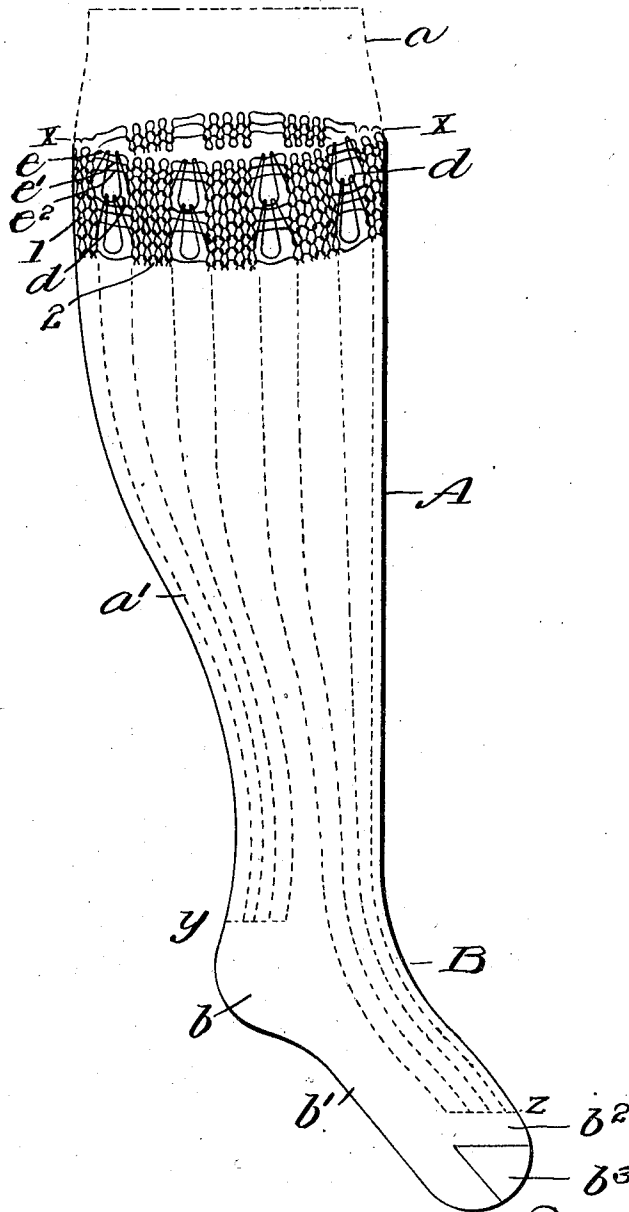
No. 770,231.

PATENTED SEPT. 13, 1904.

G. H. GILBERT.
SEAMLESS HOSIERY.

APPLICATION FILED JULY 18, 1904.

NO MODEL.



Witnesses

Witnesses
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UNITED STATES PATENT OFFICE.

GEORGE H. GILBERT, OF GERMANTOWN, PENNSYLVANIA, ASSIGNOR TO
THE KILBOURN KNITTING MACHINE COMPANY, OF NEW BRUNSWICK,
NEW JERSEY.

SEAMLESS HOSIERY.

SPECIFICATION forming part of Letters Patent No. 770,231, dated September 13, 1904.

Original application filed June 7, 1901, Serial No. 63,622. Divided and this application filed July 18, 1904. Serial No. 217,040.
(No specimens.)

To all whom it may concern:

Be it known that I, GEORGE H. GILBERT, a citizen of the United States, residing at Germantown, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Seamless Hosiery; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to machine-made seamless hosiery, and has for its object the production of a stocking having improved ornamental effects. Hitherto manufacturers of ornamental seamless hose or stockings have been able to make the ornamental open-work or lacework on the front of the stocking only, and such ornamental lace or open work began at the top of the stocking and continued down over the ankle and front of the foot to the toe portion. I am, however, able to produce an article of this class having a portion of plain knitting at the top of the leg of the stocking, the leg composed of sections of lacework alternating with sections of plain knitting around the entire leg, the heel and bottom of the foot and toe being made of plain knitting, while the open-work sections are continued over the ankle and foot with a portion of plain-knitted fabric interposed between the lower end of such open or lace work sections and the toe.

In the drawing, I have shown a stocking embodying my invention, the same being partially in perspective to show the ornamental section extending entirely around the leg.

In such drawing A is the leg portion of the stocking, and B the foot portion. At the top of the leg portion is a plain-knitted portion *a*. Commencing at the point *x* the leg of the stocking is formed of plain-knitted portions *c*, united by open-work or lace sections *c'*, the one alternating with the other entirely around the leg. The loops of the several courses forming one figure of the lace or open work are made as follows: Starting at the plain section 1, the thread forms a straight cross-thread *e* to the next plain section, crossing

the space of one or more plain loops. A given number of plain loops are then made. The thread then makes a further cross-thread to the next section of plain knitting, and so on entirely around the leg of the stocking. On the next round the cross-thread *e'* is made in like manner. On the third round the cross-thread *e''* is made in the same manner. On the fourth round the cross-thread is drawn down over the three cross-threads *e e' e''*, forming the elongated loop *d*, as is well understood in the knitting of tuck fabrics. This is continued to the point marked *y*, where the heel is knitted of plain loops. After the formation of the heel the knitting is continued, forming the bottom of plain loops and the top of the ornamental courses and plain sections, as hereinbefore set forth, until the point *z* is reached, at which point a number of plain-knitted courses are formed entirely around the stocking. The toe is then completed with plain loops, thus forming a stocking which has the plain-knitted portion *a*, the leg of ornamental sections *a'*, the heel *b* of plain loops, the bottom of the foot of plain knitting *b'*, and the sections *b''* of plain knitting interposed between the ornamental courses and the toe *b'''* of the stocking. This stocking may be made of one continuous thread, or it may be made by knitting the heel and toe of one thread and the remaining portions of the stocking from another thread, or it may be made by forming the heel and toe of one thread and the other portions of the stocking knitted from two, three, or four other threads, as the manufacturer may prefer. The stocking may be knitted upon a machine constructed in the well-known manner to produce tuck-knitting, provision being made for causing the needles of the front and back portions of the stocking to be thrown separately into operation to knit tuck or plain knitting, as desired.

While I have described the ornamental effect as produced by employing in the ornamental figures the three cross-threads *e e' e''*, with a fourth forming an elongated loop connecting and holding the others, this exact proportion is not necessary or essential, as but

one, two, or more of the cross-threads to every elongated loop may be employed, to suit the taste or fancy of the manufacturer.

The arrangement of open-work spaces in respect to the plain-knitted portions may also be varied and a single plain loop may be made between the lace-sections, giving the stocking the appearance of being formed entirely of lacework, or this effect may be employed solely on the front of the stocking.

It will be understood that, if preferred, the lacework may begin with the top of the stocking and be continued to the toe; but this is not my preferred construction.

This present application is a division of my former application for improvements in seamless hosiery filed June 7, 1901, and given Serial No. 63,622.

What I claim, and desire to secure by Letters Patent, is-

1. A machine-knit seamless stocking having open or lace work extending down the front of the stocking and down upon the top of the foot of the stocking with a portion of solid plain knitting intervening between the lacework and the toe of the stocking, substantially as described.

2. A machine-knit seamless stocking knit continuously in one operation having open or lace work extending down the front of the leg of the stocking and down upon the front of the ankle and the top of the foot of the stocking with a portion of solid plain knitting intervening between the said lacework and the toe of the stocking, substantially as described.

3. A machine-knit seamless stocking having open or lace work in the leg of the stocking and having solid plain knitting at the toe of the stocking for joining at that part of the stocking, substantially as described.

4. A machine-knit seamless stocking having open or lace work knitting forming a part of the leg of the stocking and having plain knitting following said lacework, and providing solid plain knitting for the joining at the toe of the stocking, the said stocking having been knit in one continuous operation, and having the thread forming the lacework continuous with the thread forming the main body of the foot of the stocking, substantially as described.

5. A machine-knit seamless stocking having lacework on the back as well as on the front of the leg of the stocking, the lacework on the front of the leg of the stocking extending down upon the top of the foot of the stocking and having solid plain knitting between the lacework and the toe of the stocking, providing solid plain knitting for the joining at the toe of the stocking, substantially as described.

6. A machine-knit seamless stocking having lacework on the back as well as on the front

of the leg of the stocking, the lacework on the front of the leg extending down upon the top of the foot of the stocking and having the heel, bottom of the foot and toe of the stocking of solid plain knitting with plain knitting on the top of the foot of the stocking between the lacework and the toe of the stocking providing solid plain knitting for the joining at the toe of the stocking, substantially as described.

7. The herein-described machine-knit seamless stocking having the entire leg portion composed of ornamental sections of open or lace work alternated with plain-knit sections, and the heel, bottom of the foot and toe portions composed of plain loops, the thread or threads of the foot being continuous with those of the leg portion with solid plain knitting between the lacework and the toe of the stocking, and the leg, heel, foot and toe portions being knit in one continuous operation, substantially as described.

8. A machine-knit seamless stocking having the front of the leg of the stocking ornamented with lacework forming a part of the knitted leg, and having a portion of solid plain knitting between the lacework and the toe of the stocking, the heel, bottom of the foot and toe of the stocking formed of solid plain knitting, the thread or threads of the foot of the stocking being continuous with those of the leg, substantially as described.

9. A machine-knit seamless stocking having the leg of the stocking ornamented with lacework sections, said sections extending down upon the ankle and top of the foot of the stocking, with solid plain knitting between said lace sections and the toe of the stocking, the thread or threads of the foot of the stocking being continuous with those of the leg of the stocking, the leg, heel, foot and toe being knit in one continuous operation, substantially as described.

10. A machine-knit seamless stocking having the entire leg portion of the same ornamented with open or lace work forming a part of the knitted leg, the heel, bottom of the foot and toe of the stocking being composed of plain loops, the ornamental open or lace work extending over the ankle and top of the foot, with plain loops between the open or lace work and the toe of the stocking, the thread or threads of the foot of the stocking being continuous with those of the leg, substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

GEORGE H. GILBERT.

Witnesses:

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C. H. WHITAKER.