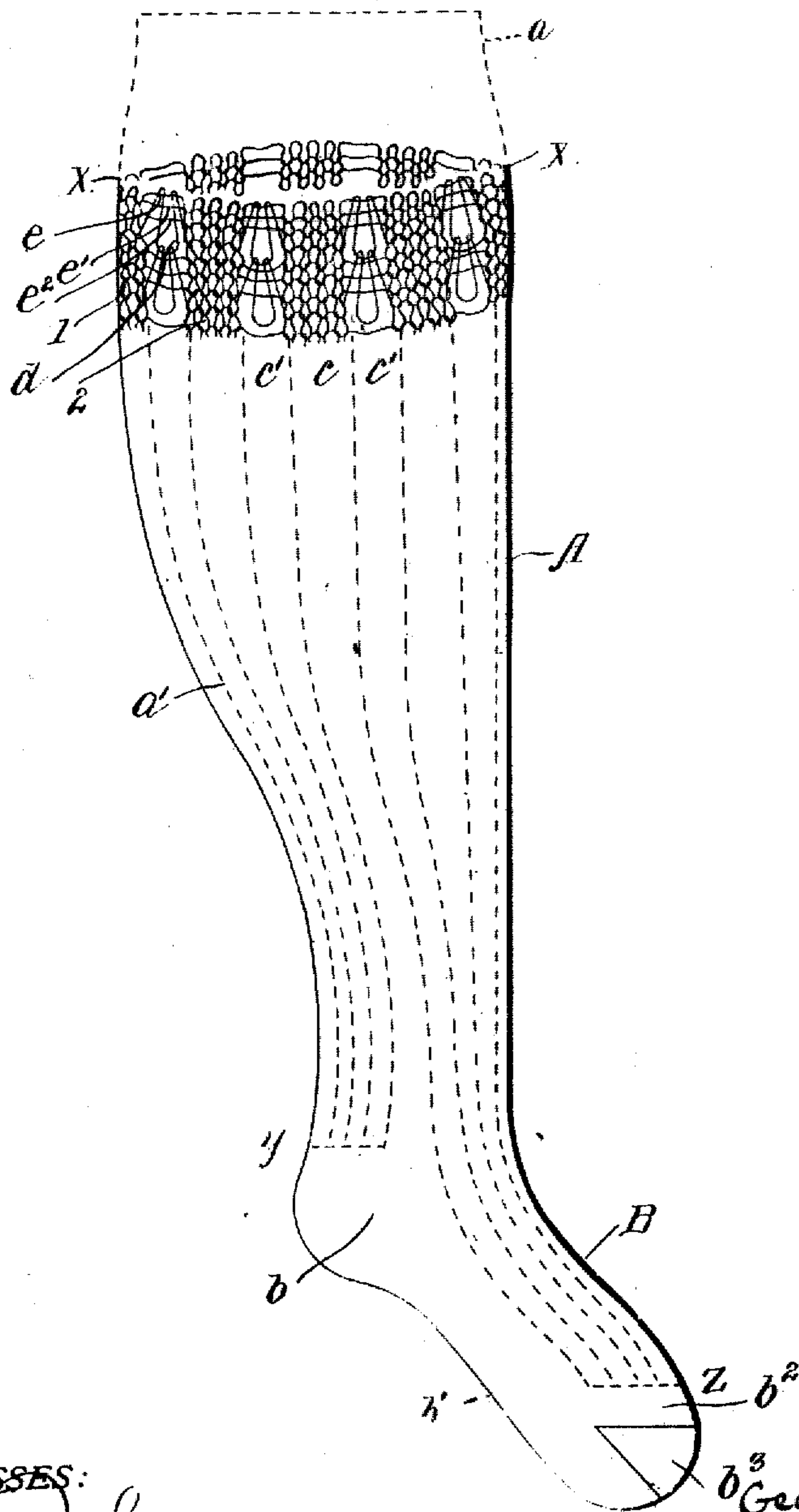


No. 822,890.

PATENTED JUNE 5, 1906.

G. H. GILBERT.  
SEAMLESS HOSIERY.  
APPLICATION FILED NOV. 16, 1905



WITNESSES:

Wm. J. Doyle  
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By

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# UNITED STATES PATENT OFFICE.

GEORGE H. GILBERT, OF GERMANTOWN, PENNSYLVANIA.

## SEAMLESS HOSIERY.

No. 822,890.

Specification of Letters Patent.

Patented June 5, 1906.

Original application filed June 7, 1901, Serial No. 63,622. Divided and this application filed November 16, 1905. Serial No. 287,699.

*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.

This application is a division of my former application for improvements in seamless hosiery, Serial No. 63,622, filed June 7, 1901. 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 section *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 described.

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.

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

1. A machine-knit seamless stocking knit in one continuous operation having both the back and front of the leg of the stocking ornamented with open-work forming a part of the web of the stocking, substantially as described.

2. A machine-knit seamless stocking having both the back and front of the leg ornamented with open or lace work forming a part of the web of the stocking, the thread forming the leg of the stocking being continuous with that forming the main body of the foot of the stocking, substantially as described.

3. A machine-knit seamless stocking, knit

in one continuous operation having the back and front of the leg of the stocking ornamented with open or lace work forming a part of the web of the stocking, the lacework on the front of the leg extending down upon the top of the foot of the stocking, substantially as described.

4. A machine-knit seamless stocking having the back and front of the leg of the stocking ornamented with open or lace work forming a part of the web of the stocking, the lacework on the front of the stocking extending down upon the top of the ankle and foot of the stocking, substantially as described.

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

GEORGE H. GILBERT.

Witnesses:

HARRY B. HARTLEY,  
CHARLES H. WEISS.

It is hereby certified that in Letters Patent No. 822,890, granted June 5, 1906, upon the application of George H. Gilbert, of Germantown, Pennsylvania, for an improvement in "Seamless Hosiery," were erroneously issued to "said Gilbert" as owner of said invention; that said Letters Patent should have been issued to *The Kilbourn Knitting Machine Company, of New Brunswick, New Jersey*, as assignee of the entire interest in said patent, as shown by the record of assignments in this office; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 19th day of June, A. D., 1906.

[SEAL.]

F. I. ALLEN,  
*Commissioner of Patents.*