

No. 743,231.

PATENTED NOV. 3, 1903.

G. BLOOD, JR.
SEAMLESS HOSIERY.
APPLICATION FILED APR. 27, 1901.

NO MODEL.

Fig. 1.

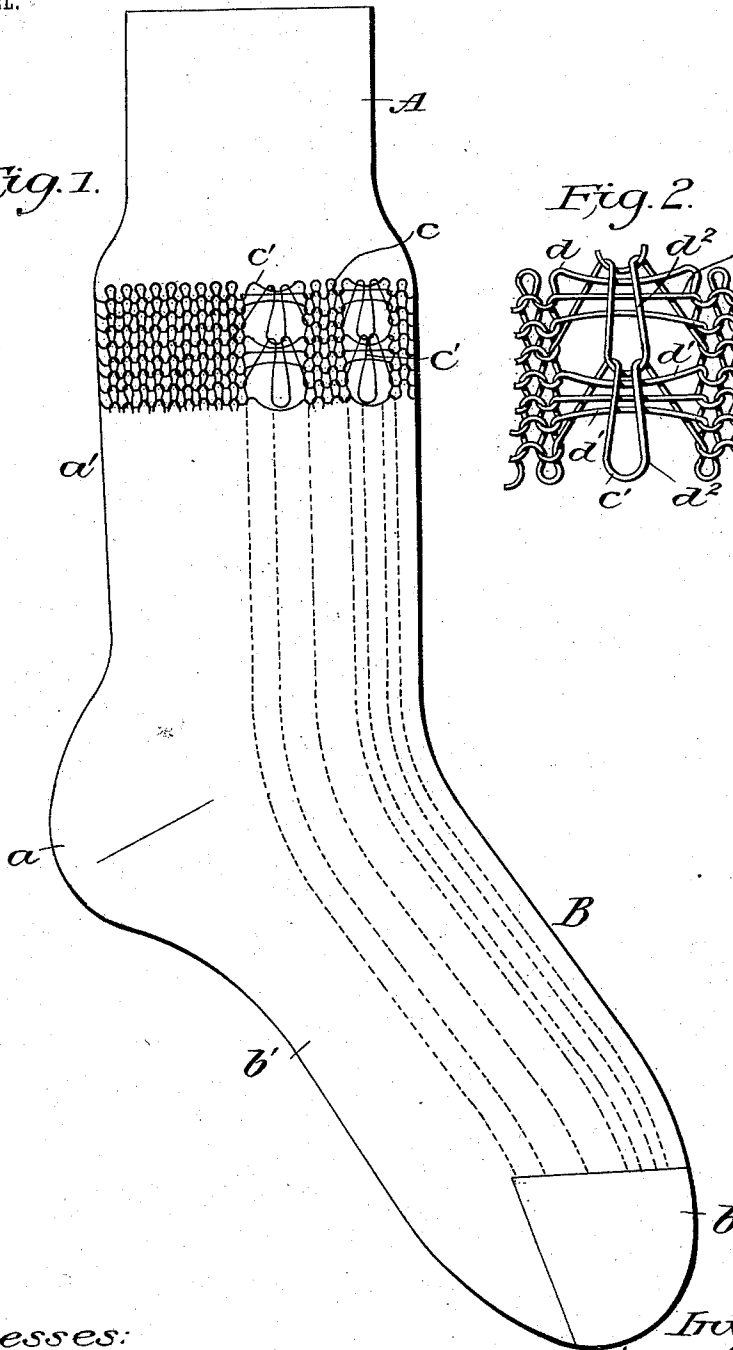
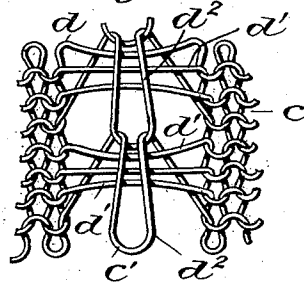


Fig. 2.



Witnesses:

J. H. Hubbard
Mary Ferguson,

Inventor:

G. Blood Jr.
By W. B. Prewach
His attys.

UNITED STATES PATENT OFFICE.

GEORGE BLOOD, JR., OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE KILBOURN KNITTING MACHINE COMPANY, OF NEW BRUNSWICK, NEW JERSEY, A CORPORATION OF NEW JERSEY.

SEAMLESS HOSIERY.

SPECIFICATION forming part of Letters Patent No. 743,231, dated November 3, 1903.

Application filed April 27, 1901. Serial No. 57,807. (No model.)

To all whom it may concern:

Be it known that I, GEORGE BLOOD, JR., a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Seamless Hosiery, of which the following is a specification.

My invention relates to the art of knitting seamless hosiery, in which the leg, heel, and foot and toe are knit in one continuous operation in the order named or in an order the reverse of that just stated.

My improvement, more specifically stated, is a seamless stocking formed of a single thread knit in one continuous operation and having its front ornamented with a section or sections of open or lace work extending from the upper part of the leg over the instep and onto the foot of the stocking.

The form of machine shown and described in my application, Serial No. 725,214, filed July 27, 1899, was devised by me for knitting stockings of the improved construction set forth herein.

In the drawings, Figure 1 is a view in elevation of a stocking embodying my improved construction; and Fig. 2 is a detail showing, in enlarged view, a detail of the lace-sections.

Referring to the said drawings, A designates the leg, and B the foot portions, of the stocking, and *a* the heel, and *b* the toe, of the same, all of which are knit, as before stated, in a single continuous operation. The rear portion *a'* of the leg, the entire heel portion *a*, the back or sole portion *b'* of the foot, and the entire toe portion *b* are all made of plain regularly-knit fabric. The front of the stocking extending along the leg and over the instep is formed of sections *c* of plain regularly-knit fabric interposed between other sections *c'* of open or lace work united to the plain sections and knit therewith. In the operation of knitting the thread *d* as it leaves the plainly-knitted portion of the stocking crosses a space of from three to five plain stitches or loops in a crossing thread or loop *d'*, when it is again knitted in the regular manner for a single stitch. Then again it is made to form another crossing loop or thread *d'*, and so on until a lace-section is completed.

A plain intervening section is then knitted in the usual manner, then another series of open-work spaces, and so on until the entire number of lace and plain sections are completed. This course is followed for three courses, when the thread, instead of being formed into the cross-thread *d'*, is midway of its length made to form the long loose loop *d''* in each of the open-work spaces. This operation is carried on throughout the entire portion of the leg, instep, and foot which it is desired to provide with the lacework. The entire stocking is then formed of a plain seamless knitted tubular fabric, in which the leg, instep, and foot portions are provided with alternate sections of plain and open or lace work knitted together.

An ordinary plain portion is formed at the back or rear of the leg and is continued in the heel, the bottom of the foot, and in the toe portions of the stocking.

It will be seen that in stockings made as herein described the joining at the toe will be made by uniting the loops of the same course of stitches; also, that the joining will be made by uniting loops made from the same thread.

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

1. A machine-knit stocking having a toe, foot, heel and leg portion knit continuously from a single thread at one operation, the rear portion of the leg and foot and the entire heel and toe portions of the stocking being formed of plain knitted meshes and the front of the leg and instep portion of the foot of the stocking being formed of alternate sections of regular and open or lace work meshes, substantially as described.

2. A machine-knit stocking formed of a single thread at one continuous operation, said stocking having along the front of the leg and over the instep of the foot portion of the stocking, alternate sections of regularly-knit and open or lace work stitches consisting of rows of crossing threads and long loose loops locked together, and the remaining portions of the stocking formed of regularly-knit stitches, substantially as described.

3. A machine-knit seamless stocking hav-

ing open or lace work meshes upon the leg of the stocking and down upon the front of the ankle and top of the foot of the stocking, the heel, foot and toe of the stocking being
5 knit from a single thread, substantially as described.

4. A machine-knit seamless stocking knit from a single thread in one continuous operation, the said stocking having lace-work
10 upon the front of the leg of the stocking, said

lace-work extending down upon the ankle and top of the foot of the stocking, substantially as described.

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

GEORGE BLOOD, JR.

Witnesses:

J. H. WHITAKER,

I. W. KILBOURN.