(No Model.)

E. SUTRO.

STOCKING.

No. 379,831. Patented Mar. 20, 1888.

FIG. 1.

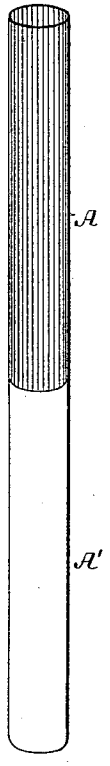


FIG. 2.

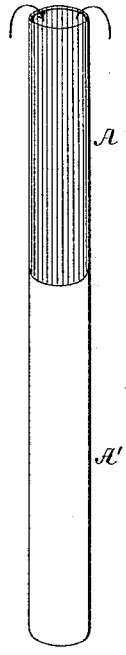


FIG. 3.

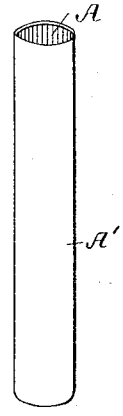


FIG. 4.

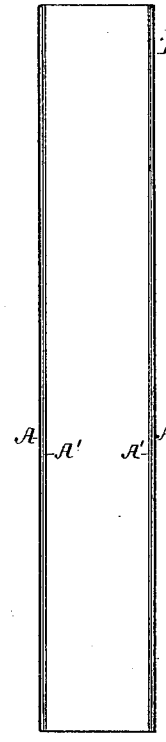


FIG. 7.

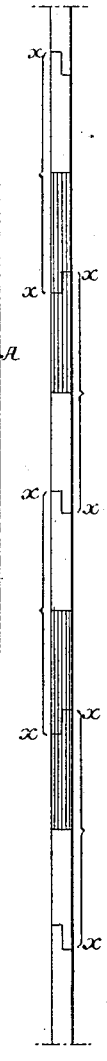


FIG. 5.

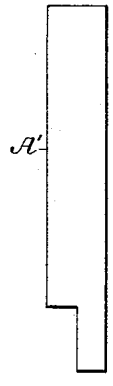
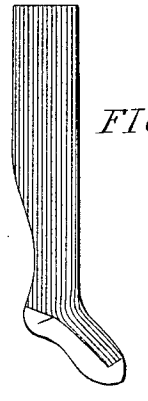


FIG. 6.



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UNITED STATES PATENT OFFICE.

EMIL SUTRO, OF BROOKLYN, NEW YORK.

STOCKING.

SPECIFICATION forming part of Letters Patent No. 379,831, dated March 20, 1888.

Application filed November 23, 1887. Serial No. 255,980. (No model.)

To all whom it may concern:

Be it known that I, EMIL SUTRO, a citizen of the United States, residing at Brooklyn, New York, have invented certain Improvements in Stockings, of which the following is a specification.

The main object of my invention is to produce a stocking which in use shall effectively prevent the dyed color from coming off onto the person of the wearer; and this object I attain by making the stocking double and by knitting the portion of the tube to form the exterior of the stocking of dyed yarn, as usual, while the portion of the tube to form the interior or lining of the stocking is knitted of undyed yarn.

In the accompanying drawings, Figure 1 is a view of the knitted tube from which the leg and upper part of the foot of the stocking is to be made. Figs. 2 and 3 are views of steps in the manufacture of the stocking. Fig. 4 is an enlarged sectional view of the double tube. Fig. 5 is a diagram of the doubled tube cut for the application of the foot-piece to it. Fig. 6 is a view of the finished stocking, and Fig. 7 is a view illustrating how the tubes may be knitted in continuous lengths.

In carrying out my invention I knit a tube, A, Fig. 1, of the desired dyed yarn, and to a length sufficient to form the leg and upper part of the stocking. I then run in an undyed yarn and continue the knitting until a tube, A′, of undyed yarn is formed equal in length to the tube of dyed yarn. I then double, fold, or draw one tube inside the other, as indicated in Figs. 2 and 3. I prefer to draw the dyed tube inside the undyed one, as indicated in the views, so as to have the double tube inside out, for convenience in securing the foot thereto. This, however, is not material, and in the enlarged sectional view, Fig. 4, I have shown the undyed tube as drawn into the dyed tube, or, in other words, reversed. The double tube is then cut, as indicated in Fig. 4, for the attachment to it of the foot-piece B, Fig. 6. In carrying out this part of the method of making the stocking I may make use of the improvements forming the subject of Patent No. 365,671, dated June 28, 1887, or those forming the subjects of an application for patent filed by E. G. Chester, June 22, 1887, Serial No. 242,156.

I do not confine myself to any particular way of attaching the foot-piece; but I prefer in all cases to form the upper part of the foot, as well as the leg, double with the interior or lining of undyed yarn. The foot-piece also should be of undyed yarn, as indicated in the view of the finished stocking, Fig. 6.

I do not wish to confine myself to making the tubes in short lengths, each only sufficient for a separate stocking. The tubes may be knitted in continuous lengths of dyed and undyed yarn alternately, as shown in Fig. 7, and then cut, as at *x*, as will be readily understood.

I claim as my invention—

1. A knitted stocking having a double leg, of which the interior fabric is of undyed yarn and the exterior fabric of dyed yarn.

2. A knitted stocking having the leg and upper part of the foot double, the interior fabric being of undyed yarn and the exterior fabric of dyed yarn.

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

E. SUTRO.

Witnesses:
WM. CHESTER WELLS,
HUBERT HOWSON.