

(No Model.)

E. ROOS.

WOOLEN OR FELT STOCKING, SOCK, SLIPPER, BOOT, OR SHOE.

No. 341,772.

Patented May 11, 1886.

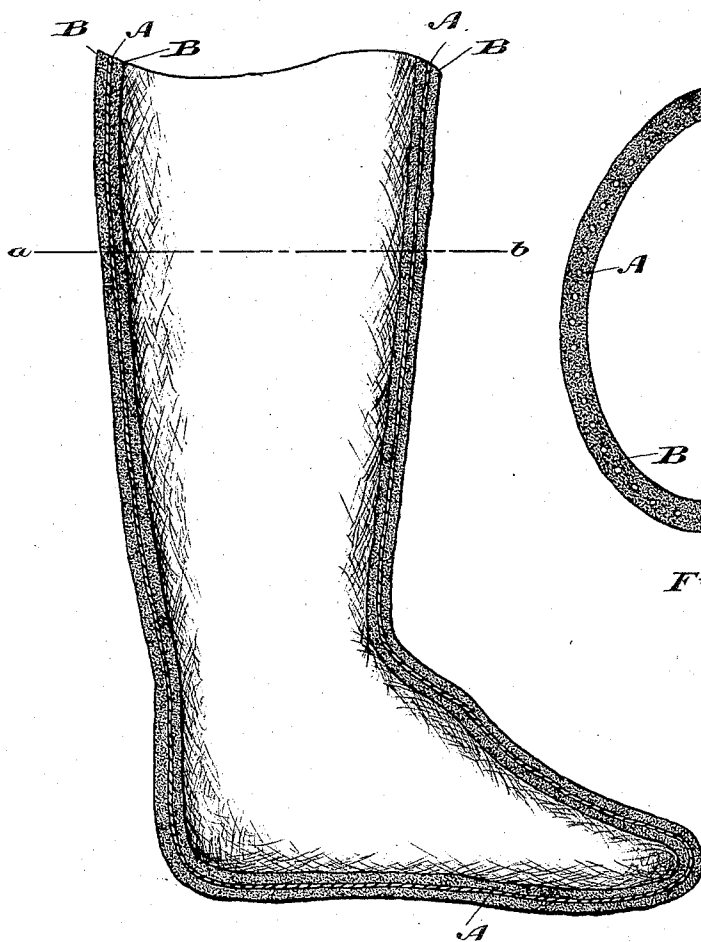


Fig. 1.

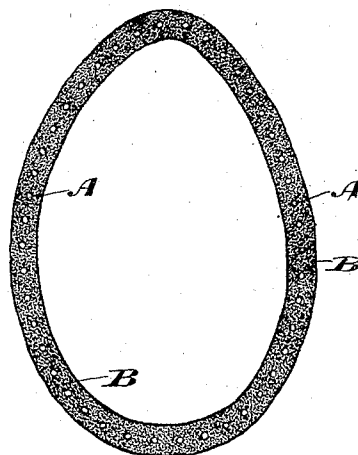


Fig. 2.

Witnesses.

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UNITED STATES PATENT OFFICE.

EDWARD ROOS, OF GALT, ONTARIO, CANADA.

WOOLEN OR FELT STOCKING, SOCK, SLIPPER, BOOT, OR SHOE.

SPECIFICATION forming part of Letters Patent No. 341,772, dated May 11, 1886.

Application filed February 27, 1886. Serial No. 193,418. (No model.)

To all whom it may concern:

Be it known that I, EDWARD ROOS, of the town of Galt, in the county of Waterloo, in the Province of Ontario, Canada, manufacturer, have invented an Improvement in the Manufacture of Woollen or Felt Stockings, Socks, Slippers, Boots, or Shoes, of which the following is a specification.

My invention relates to that class of stockings, socks, slippers, boots, or shoes made of hardened wool, or what is commonly called "felt;" and the object of the invention is to make the material so that when formed into a stocking, sock, slipper, shoe, or boot it will be stronger and not so liable to crack or break as when it is simply made of hardened wool or felt; and it consists, essentially, in laying a layer or layers of cord between the layers of wool and then hardening or felting the material in the ordinary way, so that the cord shall form an integral part of the material.

Figure 1 represents a sectional view of a stocking made in accordance with my invention. Fig. 2 is a cross-section of same through a b.

Wool or what is commonly known as "felt" boots, stockings, &c., are liable to crack and break around the ankle and near the instep, and it is in order to prevent as much as possible this cracking or breaking that my invention is designed. As the manufacture of this class of boot is well known, it is not necessary for me to enter into the details of its construction. It is sufficient to say that in manufacturing the stocking or other foot-covering in accordance with my invention, I place a series of cords, A, between the layers of wool B, run-

ning lengthwise with the stocking or other foot-covering. The material thus arranged is hardened in a jigger, or in any other suitable manner, so that the fiber forming the layers of wool is thoroughly incorporated, and practically makes the cord an integral part of the material.

In the drawings I show the cords arranged longitudinally down the leg and foot of the stocking; but I do not wish to confine myself to this arrangement, as the object of my invention would in a measure be obtained if the cord were placed only around the ankle of the stocking or other foot-covering, and indeed in some cases it will be sufficient to place the cords simply at the front and rear of the ankle; but I think it will be found preferable to place it at least down the entire leg of the stocking or other foot-covering.

In speaking of "cord," I wish it to be understood that I do not wish myself to be confined to any particular material, or to any particular size. In fact ordinary yarn would in a measure accomplish the object of my invention.

What I claim as my invention is—

A stocking, sock, slipper, shoe, or boot consisting of layers of wool having placed between them a series of independent cords, hardened or felted together in the ordinary way, so that the cords shall form an integral part of the material, substantially as specified.

Toronto, February 12, 1886.

EDWARD ROOS.

In presence of—

CHARLES C. BALDWIN,
J. M. JACKSON.