

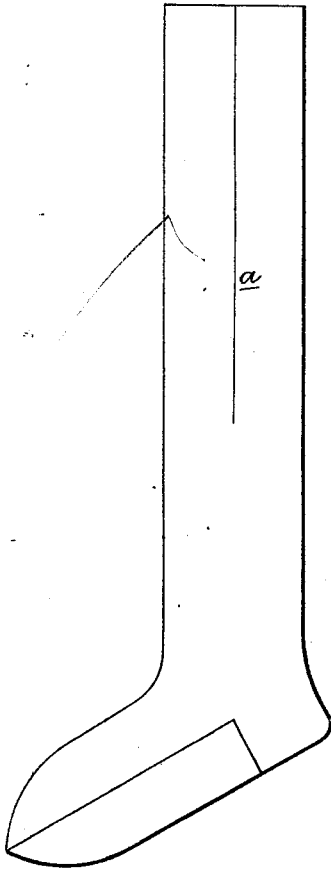
M. LANDENBERGER, Jr.

STOCKINGS.

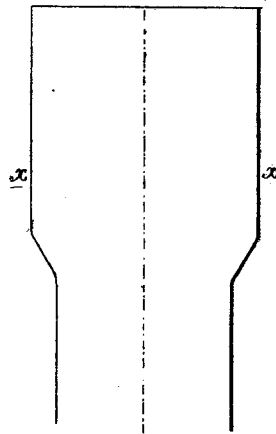
No. 188,921.

Patented March 27, 1877.

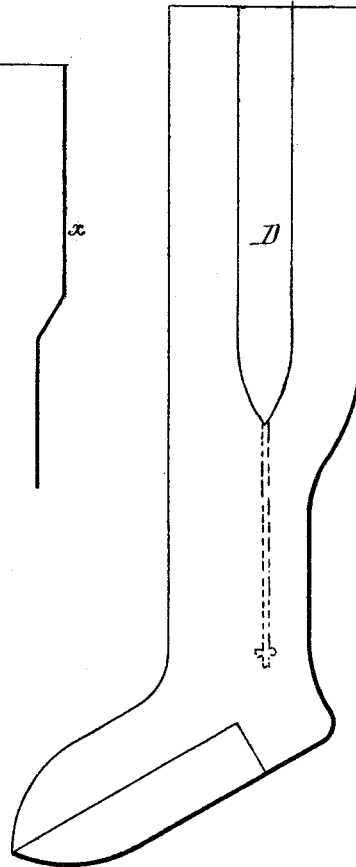
*Fig. 2.*



*Fig. 1.*



*Fig. 3.*



Witnesses  
Hermann Moessner  
Harry Smith

Martin Landenberger Jr.  
by his Attorneys.  
Houston and Son.

# UNITED STATES PATENT OFFICE

MARTIN LANDENBERGER, JR., OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN STOCKINGS.

Specification forming part of Letters Patent No. **188,921**, dated March 27, 1877: application filed November 17, 1876.

*To all whom it may concern:*

Be it known that I, MARTIN LANDENBERGER, Jr., of Philadelphia, Pennsylvania, have invented a new and useful Improvement in the Manufacture of Stockings, of which the following is a specification:

The objects of my invention are to cheapen the manufacture of stockings with tapered legs, and to improve the product; and these objects I attain in the manner hereinafter described.

There are in use at present two methods of manufacturing stockings with tapered legs. The first plan, which is used only in producing stockings of the finer class, is to, first, knit a web of the shape shown in Fig. 1, this web being narrowed at the lower end, which is to form the lower portion of the leg and the foot of the stocking. This blank is then folded on the central dotted line, and its edges  $\alpha$  secured together by knitting, sewing, or otherwise, thus forming the desired tapered leg.

The second plan, used in making cheap stockings, is to, first, cut from a web of knitted fabric a blank with parallel edges, which, on being seamed up, forms a straight leg, the proper shape being then imparted by means of press-boards.

The first of these plans is objectionable on account of its expense, and the second because it produces ill-fitting stockings.

These objections I overcome by taking a blank of uniform width throughout, and combining with the upper portion of the same one or more tapered strips, in the following manner:

When the blank is seamless, as in Fig. 2, I slit the upper portion of the same, as at  $\bar{a}$ , for instance, and to the edges of this slit secure, by sewing, crochet, or otherwise, the edges of a strip, D, the size and shape of this strip being such that it will increase the size of the leg at the proper place, and to the desired extent, the lower end of the strip being so formed that it will cause the enlarged upper portion of the leg to merge gradually into the contracted lower portion. (See Fig. 3.)

When a cut blank is used I secure the edges of the strip or strips D to the edges of the blank when the stocking is being seamed up. Any number of strips, D, may be used, and they may be of the same or of a different fabric from that of which the body of the stocking is composed.

By suitably arranging the strips ornamental effects may be produced. For instance, an imitation of an embroidered stocking may be made by slitting a blank almost to the foot, and by providing the strip D with a narrow extension at the lower end, as shown by dotted lines, Fig. 3.

I claim as my invention—

As a new article of manufacture, a stocking having a leg combined with a strip or strips, D, as specified.

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

MARTIN LANDENBERGER, JR.

Witnesses:

GUS. A. KILLER,  
HARRY SMITH.