March 23, 1926.

M. L. Victorius

HOSIERY SIZING DEVICE

Filed March 21, 1924

FIG. 1.

FIG. 2.

FIG. 3.

INVENTOR

Myer L. Victorius

By

Beusen and Havbury

ATTORNEYS.
PATENT OFFICE.

Myer L. Victorius, of New York, N. Y.

Hosiery-Sizing Device.

Application filed March 21, 1924. Serial No. 700,790.

To all whom it may concern:

Be it known that I, Myer L. Victorius, a citizen of the United States, residing at New York, county of New York, and State of New York, have invented a new and useful Improvement in Hosiery-Sizing Devices, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to a device for use in sizing hosiery.

In the manufacture of hosiery, it is necessary from time to time to size or gauge the length of the hose produced by the various machines in the hosiery mill in order to check up and determine that the production is adhering to the standard of length desired. If the desired standard is departed from, it is discovered and the machine or machines are checked up and re-adjusted to tighten or loosen the stitches, as the production may be running short or over in length.

Heretofore sizing has been accomplished by drawing a sample of the production on a form or board, the form being marked, for example, by a line or scratch, at the point to which the top of the stocking should reach. Whether the production is running under or over standard as to length is then determined by whether the stocking fails to reach or extends above the mark.

In practice, it has been found that such means for sizing is subject to error, frequently greatly in excess of permissible error, and that such error is principally due to the human element, since the sizer, when drawing the stocking on the form, tends to draw it to the mark and in fact does so subconsciously, unless the size is way off, by unduly stretching the stocking, if it be under size, or by slackening off, if it be over size.

The means heretofore used in sizing are lacking in still other respects and principally in that it may only be used in checking up on length, while it is highly desirable to check up on the relative location of various other parts of a stocking, such as the splice, boot, ravel stop, transfer, etc., which were not heretofore susceptible of being checked up.

Now it is the object of my present invention to provide means for sizing hosiery which will insure requisite accuracy and at the same time will enable a check-up of the various parts of the stocking simultaneously with a check-up of the length.

Having now indicated, in a general way, the nature, purpose and advantage of my invention, I will proceed to a detailed description thereof, with reference to the accompanying drawings, in which I have illustrated a preferred embodiment, and in which—

Fig. 1 is a face view of a hosiery sizing device in association with a form.

Fig. 2 is an edge view of the device shown in Fig. 1.

Fig. 3 is a sectional view on line 3—3.

a indicates an ordinary sizing form made of any desired material. b indicates a measuring stick made preferably of relatively light band metal and marked off in inches subdivided into desired fractions as indicated in Fig. 1.

At one end of the stick b is formed a handle e and at the other end the stick is bent at right angles to form a foot d.

e indicates crossbars slidably engaging with the stick b by means of cleats f, secured to the cross members and by screws g, adapted to be secured in any desired position by means of thumb screws h threaded through the cleats and engaging against the stick b, thereby clamping the crossbars to the stick.

In operation, the stick b is disassociated from the form a, which has no lines or marks on it, and the stocking to be sized is drawn on the form. Since the form has no marks or lines to which the stocking is supposed to reach, there is no tendency for the sizer to draw the stocking on the form with any more or less tension than is proper.

With the stocking on the form, the stick, the upper crossbar a, for example, having been adjusted to the height to which the stocking should reach, is grasped by the handle end and the hook d passed beneath the foot of the stocking, the stick being then extended in parallelism with the stocking with the crossbar e against the stocking. The stocking should be formed to reach the upper or lower edge of the top crossbar, as the case may be, or the crossbar may be made of a height equal to a permissible variation in the length of the stocking. With the stick in place, if the stocking top does not reach the top crossbar or overreaches it, the stocking is too...
short or too long and there can be no error in the measurement due to manipulation of the stocking, since it was properly adjusted on the form without reference to the measuring device.

The method of operation of the device has been explained with reference only to the topmost crossbar \( c \). The several other crossbars illustrated may be adjusted respectively to check up on the position of the transfer in the case of the crossbar \( B \), of the ravel stop in the case of the crossbar \( C \), of the boot in the case of the bar \( D \), and the splice in the case of the bar \( F \), while the upper and lower limits of the fashion marks may be checked between the crossbars \( F, F' \).

It will be obvious that all or less than all of the measurements, for the checking of which the stick, as illustrated, is provided, may be used, or, if desirable, more may be added, it being noted that any or all of the crossbars may be removed from the stick by removing the screws \( g \), which secure the cleats to the bars.

I do not intend to limit my invention to the precise details of construction illustrated, as it will be appreciated that various departures therefrom may be made without departing from the spirit of my invention.

Having now fully described my invention, what I claim and desire to protect by Letters Patent is:

1. A hosiery measuring device comprising a gage bar, an adjustable gaging member slidably engaging and extending laterally from the bar, means for securing the member to the bar at the desired point on the bar, and means on the bar for engaging a hosiery support with a stocking thereon to be gaged.

2. A hosiery measuring device comprising a gage bar, a plurality of adjustable gaging members slidably engaging and extending laterally from the bar, means for securing the members to the bar at the desired point on the bar, and means on the bar for engaging a hosiery support with a stocking thereon to be gaged.

In testimony of which invention, I have hereunto set my hand, at Philadelphia, Penna., on this 18th day of March, 1924.

MYER L. VICTORIUS.