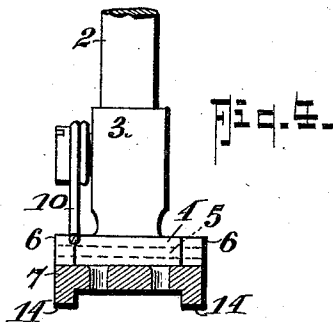
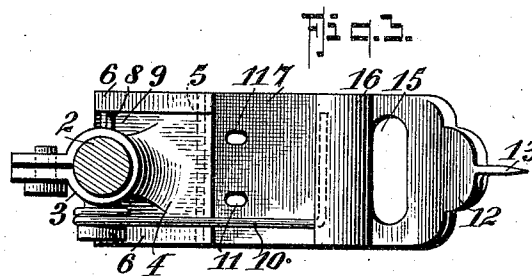
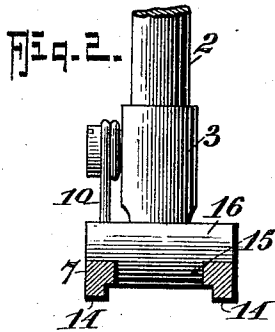
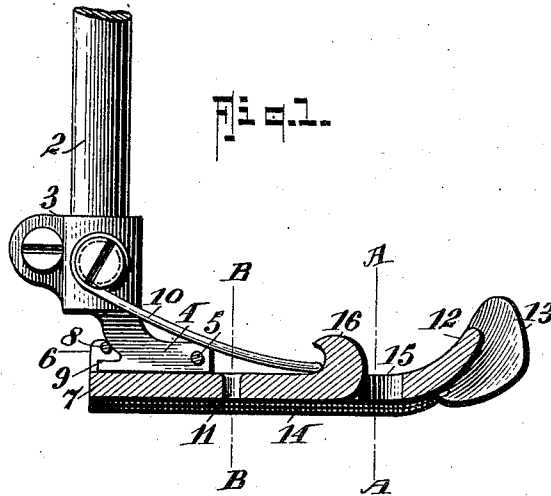


J. W. CURRAN.
PRESSER FOOT.
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1,066,257.

Patented July 1, 1913.



WITNESSES:

John E. Schrott
Robert M. Greenwell.

INVENTOR

Joseph W. Curran

BY

Fred Z. Dietrich & Co.
ATTORNEYS

UNITED STATES PATENT OFFICE.

JOSEPH W. CURRAN, OF VANCOUVER, BRITISH COLUMBIA, CANADA.

PRESSER-FOOT.

1,066,257.

Specification of Letters Patent.

Patented July 1, 1913.

Application filed April 5, 1912. Serial No. 688,625.

To all whom it may concern:

Be it known that I, JOSEPH W. CURRAN, citizen of the Dominion of Canada, residing at Vancouver, in the Province of British Columbia, Canada, have invented a new and useful Presser-Foot, of which the following is a specification.

This invention relates to a sewing machine presser foot, which has been designed to apply a knitted covering strip to the seam of cut and shaped knitted garments in order to reinforce the seams. Under the present practice the two pieces of the fabric are placed one on the other and are sewn through along the edges to be joined, a sharp knife at the same time trimming the edges parallel to the line of stitches. The connected pieces are then opened out flat and the seam is passed through a double needle machine with a looper attachment by which two rows of stitches are sewn, one on each side of the joining and on the underside a looping device simultaneously passes a thread back and forth through the lengthwise stitches to secure the cut edges of the fabric and prevent unraveling. Owing to the loose character of the knitted fabric this sewing down of the cut edges on each side of the joint seam gives a drawn appearance to the fabric adjacent. To prevent this drawn appearance the seam is reinforced by a covering strip of knitted material. The presser foot, which is the subject of this application, is designed to enable this covering strip to be applied to the joint seam simultaneously with the running of the stitches by which the cut edges are secured.

The invention is particularly described in the following specification, reference being made to the drawings by which it is accompanied, in which:

Figure 1 is a longitudinal section and part elevation of the invention. Fig. 2 is a cross section on the line A A of Fig. 1. Fig. 3 is a top plan view of the presser foot. Fig. 4 is a cross section on the line B B of Fig. 1.

In these drawings 2 represents the stem which carries the presser foot and 3 the clamp by which the presser foot is removably secured thereto. The clamp member 3 is at its lower end favorably extended, as at 4, and is pivoted at 5 to fit between lugs 6 upwardly projecting from the main body 7 of the presser foot. The front end 12 of the presser foot body 7 may thus yield upward slightly on the pivot 5 but this move-

ment is limited by a pin 8 which engages a backward projection 9 from the heel of the clamp member 3. This pin 8 limits the movement to a very small amount and a spring 10 holds the presser foot normally down on the heel.

The two needles of the machine pass through the apertures 11 and from the middle of the upwardly curved front end 12 a guiding blade 13 projects forward and downward to guide the work evenly in the joint seam and insure that the securing stitches are parallel to the line of the joint.

Just behind the upwardly curved front end 12 a laterally elongated aperture 15 passes through the body 7 of the presser foot and on the rear side of this aperture 15 upwardly projects a member 16 which on the forward side is curved, as shown in Fig. 1, the curvature being carried around to the underside of the presser foot.

The presser foot is provided with side ridges 14 so that a hollow recess is formed lengthwise of the presser foot to maintain the evenness of the covering strip on the joint line.

In use, after two pieces of knitted goods have been joined together by a row of stitches run through both of them when they are superposed face to face, the material is opened out and is passed through a double needle machine having this presser foot. The blade 13 maintains it evenly in the joint and the covering strip of knitted material is delivered from above through the aperture 15 and passes under the presser foot between the lugs 6 and is sewn down by the needles passing through the apertures 11, which stitches with the loopers on the underside secure the cut edges of the fabric.

I am aware that a presser foot pivotally connected to its clamp member and having double needle apertures and a front guiding blade is in common use, but in none with which I am acquainted is provision made for the passage of a relatively broad covering strip to be sewn down by the needles. A single needle presser foot may have been used having provision for the passage of braid in a similar manner but such has not had provision for maintaining the line of the seam, or for sewing it down by two parallel lines of stitches because the application of a covering strip in this manner is novel. Having now particularly described my in-

vention and the object of it and the advantages consequent on its adoption, I hereby declare that what I claim as new and desire to be protected in by Letters Patent, is:

5 A presser foot comprising a flat body plate, the front end of which is curved upwardly, said plate having a longitudinal groove on its underface extending from end to end, said plate having a pair of laterally
10 spaced needle apertures, and a laterally elongated aperture in advance of the needle apertures, a guiding blade formed with said body plate on its front up-turned end and held above the bottom plane of the presser
15 foot, said body plate including an upwardly projected member adjacent to said laterally elongated aperture, and having its front side curved to cooperate with said laterally elongated aperture, and means for securing said body plate to the stem of a sewing machine, said last named means including a pair of upwardly projecting lugs on

said body plate at its rear end, a clamp member to engage the sewing machine stem, said clamp member having a foot extension 25 to lie between said lugs, means for pivoting said foot extension at its front to said lugs, said foot extension having a heel and a cross rod between said lugs cooperative with said heel to allow a limited pivotal movement between said heel and said body plate, and a
30 spring member secured to said clamp and having a portion bent to engage the rear side of said first mentioned upwardly projecting member, the rear side of which member is
35 concave to receive said spring, substantially as shown and described.

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

JOSEPH W. CURRAN.

Witnesses:

ROWLAND BRITAIN,
MAY WHYTE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."