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EMBOSSED STITCHING ATTACHMENT.

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Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

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Sew Good
Chowrsey!
To all whom it may concern:

Be it known that I, Henry L. Patzer, a citizen of the United States, and resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Embossed-Stitching Attachments; and I do hereby declare that the following is a full, clear, and exact description thereof.

10 This invention relates to an attachment for sewing machines for producing an embossed seam, or, in other words, an imitation moccasin seam.

In imitating what is commonly known as a moccasin seam, it has been heretofore, the practice to form this seam by hand. This has necessarily been an expensive and needlessly slow process.

Objects of this invention are to provide a sewing machine which will automatically produce an imitation moccasin seam which will fit a tape and a cord beneath the work and will stitch the tape and work together on opposite sides of the enclosed cord, which will stretch the work over the cord and will produce a ridge or rib on the opposite side of the work, and which will automatically guide the several parts into their proper relative positions.

An embodiment of the invention is shown in the accompanying drawings in which:

Figure 1 is a side elevation, partly in section, of the device in position showing associated parts of the sewing machine, said view corresponding to a section on the line 1—1 of Figure 3.

Figure 2 is a sectional view on the line 2—2 of Figure 1.

Figure 3 is a plan view of the guide plate detached.

Figure 4 is a sectional view on the line 4—4 of Figure 1.

Figure 5 is a fragmentary view of the finished product with a part broken away to illustrate the interior construction.

A guide plate 1 is secured to the work plate 2 in any suitable manner and is provided with a pair of parallel slots 3 through which the needles 4 are adapted to pass. The central portion of the guide plate is preferably continuous, as indicated at 5 to provide a support between the parallel slots 2. This guide plate has a horizontal slot 6 for guiding a tape across the support 5 and over the slots 8. It is further provided with a circular aperture 7 forming a guide for a cord, such guide being located above and substantially centrally of the slot 6, as may be seen from Figures 3 and 4. It is to be noted that the supporting portion 5 is recessed or, in other words, provided with a groove in vertical alignment with the aperture 7. This supporting portion, it will be noted, prevents the tape from being pressed downwardly below the plane of the underside of the work so that the resulting article is flat across its underside while the work is bowed upwardly at the seam and is still continuous across the seam.

The presser foot is upwardly curved to provide a concaved bottom, and is provided with slots 8 through which the needles 4 are adapted to pass, and, with a central continuous portion 9, adapted to hold the work in contact with the cord, as may be seen from Figure 2. The presser foot is provided with downwardly extending flanges 10 which draw the work tightly over the cord and forces it downwardly to provide an upwardly bulged central portion and downwardly pressed side portion through which the stitching passes as may be seen from Figure 9. In other words, the presser foot is provided with a groove in the portion 9 and such groove is located in vertical alignment with the aperture 7. Further, it will be noted that the flanges 10 on opposite sides of the presser foot extend downwardly below the lowest portion of the part 9.

In the operation of the device, a tape 11 of inelastic material is threaded through the slot 6 and is in direct contact with the upper face of the plate 1. A cord 12 is threaded through the aperture 7 of the guide plate and is positioned immediately above the tape 11. The work 13, such as leather, for instance, is positioned above the cord. Two lines of stitching 14 are formed, one upon each side of the cord 12, such stitching passing through the work 13 and through the inelastic tape 11, as may be seen from Figures 2 and 6.

It will be seen, therefore, that a sewing machine has been provided which will bend the work downwardly over the filling cord to form an upwardly bulged portion defined by two parallel lines of stitching.

It will further be seen that when the product is removed from the machine that the
inelastic tape holds the work in approximately the position shown in Figure 2 thereby forming an imitation moccasin seam.

Although one specific form of the invention has been described in considerable detail, it is to be understood that the invention may take different forms and is to be limited only as defined by the appending claims.

I claim:

1. In a sewing machine for forming an imitation moccasin seam, the combination of a pair of needles, a guide plate having a pair of parallel slots through which said needles work and having a grooved supporting portion intermediate said slots, said supporting portion being slightly recessed with respect to the upper surface of said guide plate, said guide plate having a horizontal slot for guiding a tape across said supporting position, and over said parallel slots and having a cord guide above said horizontal slot and centrally thereof, and a presser recessed to permit the passage of the needles therethrough and having a concaved upwardly arched bottom portion ending in two parallel flanges adapted to contact with the work and force it downwardly on each side of said cord.

2. In a sewing machine for forming an imitation moccasin seam, the combination of a pair of needles, a guide plate having a pair of parallel slots through which said needles work and having a supporting portion between said slots for supporting a tape and preventing the forcing of such tape below the level of the surface of the guide plate, means for guiding a tape across said supporting portion and over said slots, a cord guide located above said means, and a presser foot having a grooved lower face adapted to engage the upper side of the work and cause such work to intimately engage the cord and to upwardly arch over said cord.

In testimony that I claim the foregoing I have hereunto set my hand at Milwaukee, of Milwaukee and State of Wisconsin.

HENRY L. PATZER.