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ATTACHMENT FOR SOLE SEWING MACHINES.

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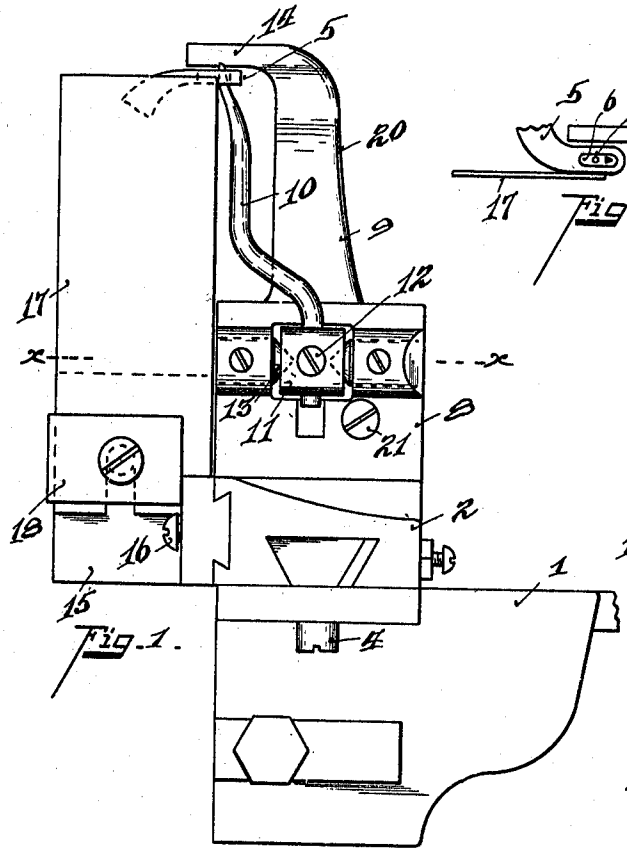

Fig. 1.

Fig. 4.

Fig. 2.

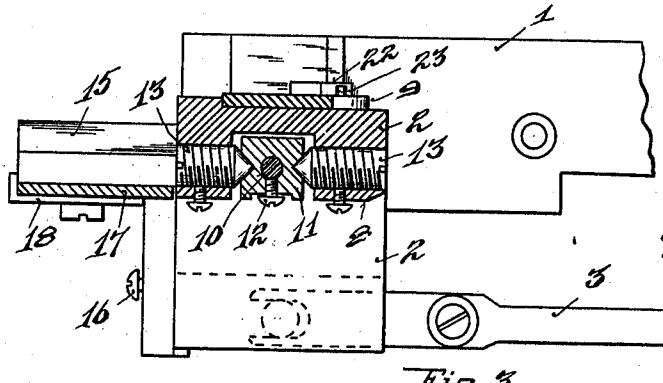

Fig. 3.

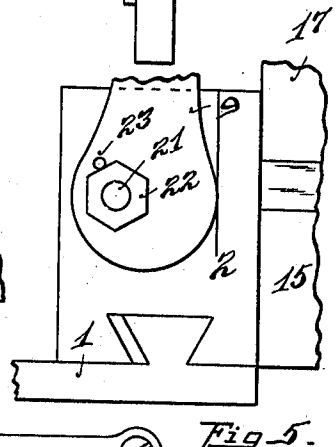

Fig. 5.

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ATTACHMENT FOR SOLE-SEWING MACHINES.

978,099. Specification of Letters Patent. Patented Dec. 6, 1910.

Application filed April 22, 1908, Serial No. 428,641. Renewed October 13, 1910. Serial No. 586,941.

To all whom it may concern:

Be it known that I, CHARLES WOLENTARSKY, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Attachments for Sole-Sewing Machines, of which the following is a specification.

My invention relates to an improvement in a shoe sole sewing machine.

The object of the invention is primarily to provide an attachment for a sewing machine, presenting a cutter through the eye of the table operating in advance of the needle, and also carrying a guide providing for a ready access of the shank of the shoe to the table while the shoe is held in the vertical position necessary to secure a substantially vertical, instead of the angularly inclined stitch, which results from the employment of this type of attachments heretofore in use.

Another object of the invention is to provide a new and improved method of attaching the guard.

Another object of the invention is to provide ready and convenient means for adjusting the cutter relative to the eye of the table and removably attaching the same.

Other objects of the invention relate to the structural formation of the attachment.

The features of the invention are more fully set forth in the description of the accompanying drawing, forming a part of this specification, in which:—

Figure 1 is a front elevation of the carriage and its support, adapted to be applied to a sole sewing machine carrying the cutter, guard and guide, likewise illustrating a portion of the sewing machine table. Fig. 2 is an end elevation of the same. Fig. 3 is a section on line *x*, *x*, Fig. 1. Fig. 4 is a detail top plan view of guide, table and guard, illustrating the position occupied by the cutter projecting into and through the eye of the table. Fig. 5 is a rear elevation of the carrier and portion of the guide.

In some style of shoes it is desirable to conceal or bury the stitch securing the welt to the sole around the front portion of the shoe. This invention has to do with an attachment for this work.

1 represents a support or bracket secured to a sole sewing machine.

2 represents a carrier gibbed upon bracket 1, so as to slide thereon.

3 is a lever pivoted upon the sewing machine and connected with the pin 4 of the carrier.

5 represents the sewing machine table having the eye 6, through which the awl 7 passes, the needle not being shown.

The carrier has an upwardly extended arm 8 upon which are secured the guide 9 and the cutter 10.

11 is a spindle block having an orifice in which the lower end of the cutter is adjustably secured by means of the screw 12.

13 represents pintle screws between which the block 11 is swiveled. By adjusting these pintles the point of the cutter can be longitudinally adjusted with reference to the eye of the table without removing the cutter, and the cutter may be readily removed for grinding and the depth of the cut can readily be adjusted also.

The guide 9 is secured to the arm 8 upon the other side from that upon which the cutter is attached. The guard is curved forwardly and upwardly and has the foot 14 lying above and adjacent to the table. The concave portion of the guide 9 is beveled off at its front edge 20. Its curvature and projecting in rear of the cutter afford a free access of the shoe shank to the table, allowing the shoe to be presented in substantially upright position thus insuring a vertically inserted stitch. The cutter is curved forwardly toward the table and inwardly toward the guards for the same purpose. When the carrier is thrown outward the pivotal mounting of the cutter relative to the stationary table withdraws the point of the cutter from the eye of the table, so that the shank can be stitched without removing the attachments. Owing to the relative positions and curvatures of the cutter and guard the shank of the shoe can be presented to the table with the shoe upright, when the carrier is in forward position. If it were not for these features of construction the attachment would have to be removed for stitching the shank, or else the shoe presented at such an angle that the resulting stitch would be very angular.

15 is a bracket gibbed upon the carrier and secured thereto by screw 16, and carrying a shield 17, preferably of flexible ma-

terial, held by clamping plate 18. This shield at all times stands in front of the table and protects the shoe upper from the oil and wax to which it would otherwise be exposed.

Guide 9 is held on arm 8 by means of the screw 21, the head of which is on the front of the arm, the inner end engaging nut 22 on the inside of the arm, the nut being held by the pin 23 projected from guide 9. By this means the guide can be swung out of position by loosening screw 21 from the front to give access to the sewing machine and it can be set in place and tightened from the front as the pin holds the nut stationary.

Having described my invention, I claim:—

1. In an attachment for a sole sewing machine in combination with the table, a carrier, a cutter and guide thereon curved inwardly and forwardly with reference to the table, and a shield adjustably secured to the carrier, substantially as described.

2. In an attachment of the class described, a carrier arm, a guide on the inside thereof, a set screw having its head on the outside of the arm, a nut on the inside of the arm engaging the screw for securing the guide to the arm, and a pin on the guide engaging the nut and holding it stationary, whereby the nut may be tightened by operating the screw from the front of the arm, substantially as described.

3. In a shoe sewing machine, a work support, a carrier, a cutter and a guard mounted on said carrier below the work support, said cutter and guard from their point of attachment to the carrier to the work support being curved in substantially parallel lines to conform to the shape of a shoe upper in position on the machine, permitting a free presentation of the shoe, so that the needle will pass vertically through the sole at the shank of the shoe.

In testimony whereof, I have hereunto set my hand.

CHARLES WOLENTARSKY.

Witnesses:
LEO J. O'DONNELL,
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