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GAGE FOR SEWING MACHINES.

APPLICATION FILED DEC. 13, 1913.

1,111,651. Patented Sept. 22, 1914.

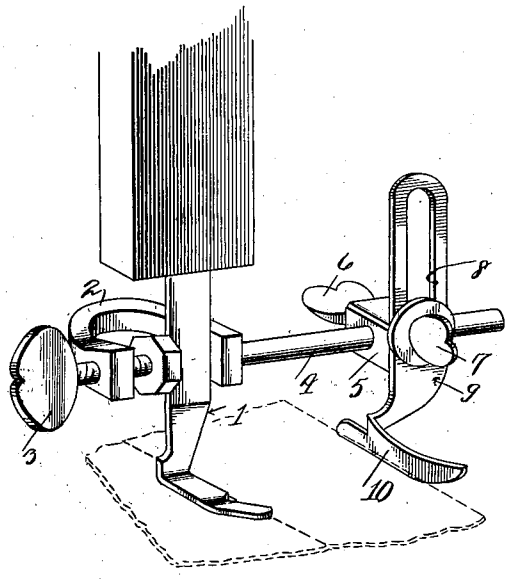


Fig. 1.

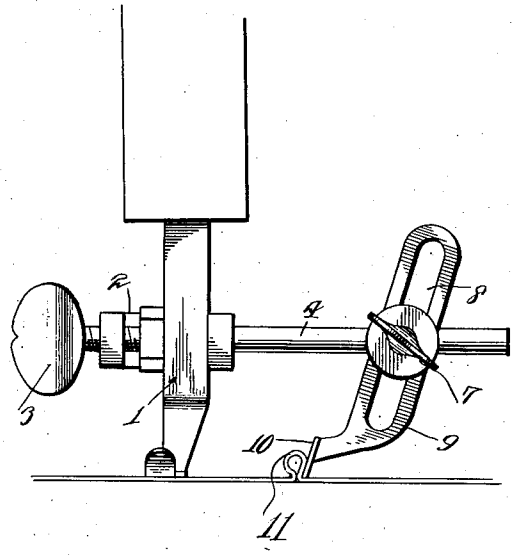


Fig. 2.

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GAGE FOR SEWING-MACHINES.

1,111,651. Specification of Letters Patent. Patented Sept. 22, 1914.

Application filed December 13, 1913. Serial No. 806,559.

To all whom it may concern:

Be it known that I, ANDRES L. FROSTERUS, a citizen of the United States, residing at Eureka, in the county of Humboldt and State of California, have invented new and useful Improvements in Gages for Sewing-Machines, of which the following is a specification.

This invention relates to sewing machine attachments, and in particular to a gage or guide which is adapted to be connected with the presser-foot bar of the machine for use in guiding the cloth while stitching lines a predetermined distance from and parallel to a given line, the primary object being to provide a device of this character which is simple in construction, which may be readily and securely applied to the presser-foot arm and as readily detached therefrom, and which may be adjusted to accommodate the same to the various conditions of usage in hemming and stitching plaits and tucks.

The invention consists in the features of construction, combination and arrangement of parts, hereinafter fully described and claimed, reference being had to the accompanying drawing, in which:

Figure 1 is a fragmentary perspective view of the head of a sewing machine showing the attachment applied thereto and in use in hemming a piece of cloth; and, Fig. 2 is a fragmentary front elevation of the same, showing the gage arm set for use in stitching the line parallel to a tuck.

In the drawing, the numeral 1 designates the presser-foot arm of a sewing machine, to which the U-shaped body 2 of the attachment is secured by the aid of the clamping screw 3. A lateral supporting arm 4 is formed upon the body 2 and is adapted to be disposed horizontally when the device is in use. This arm 4 is cylindrical and a rotatable and longitudinally movable slide 5 is mounted thereon, it being adapted to be secured in any of its different adjusted positions upon the arm by means of a set screw 6. A thumb screw 7 is adjustably mounted within the front face of the slide block 5 and is adapted to extend through the longitudinal slot 8 provided in an adjustable guide arm 9 so that the said arm may be clamped securely against the front face of the slide block in any of its different adjusted positions thereon. A runner-shaped foot 10 is provided upon the lower end of the guide arm and is adapted to engage the straight edge of the piece of cloth or other article that is being stitched in order that it may guide the cloth in proper relation to the needle in stitching a line parallel to the said edge.

The use of the device in the above-stated connection, is shown particularly in Fig. 1, wherein the guide arm is shown disposed substantially vertical. It is evident that the distance between parallel lines to be stitched and the edge of the cloth, or any other guiding surface thereof, may be determined by adjusting the slide 5 longitudinally upon the supporting arm 4 or angularly thereon. In Fig. 2, however, the guide arm is shown set at an angle for another purpose, which is to stitch a line parallel to a tuck or the like, wherein the cloth is stitched so as to form a bulging, tubular rib, such as is indicated by the numeral 11. The line of stitching of this tuck will present the only true guiding surface, so it is desirable that the active edge of the guide-foot should bear against this line of stitching rather than that the side face of the foot should bear against the yieldable body 11 of the tuck. By setting the guide arm at such an angle, the active edge of the foot will extend in under the body of the tuck and thus properly contact with the true guiding surface presented by the line of stitching.

What is claimed is:

1. In an attachment for sewing machines, the combination with a presser-foot arm, of a gage device comprising a body adapted to be attached to the said arm, a lateral supporting arm provided upon said body, a slide block mounted upon the said supporting arm for longitudinal sliding and rotary movement thereon, means for securing said block in adjusted position upon the said arm, a guide arm pivotally mounted upon the slide block for movement in a plane parallel to the axis of the supporting arm, a foot provided upon said guide arm, and means for securing the guide arm in adjusted position upon the slide block.

2. In an attachment for sewing machines, the combination with a presser-foot arm, of a gage device comprising a body adapted to be attached to the said arm, a lateral supporting arm providing upon said body, a slide block mounted upon said supporting arm for longitudinal sliding and rotary movement thereon, means for securing said

block in adjusted position upon the said arm, a guide arm pivotally and slidably mounted upon the slide block for movement in a plane parallel to the axis of the supporting arm, a foot provided upon said guide arm, and means for securing the guide arm in adjusted position upon the slide block.

In testimony whereof I affix my signature in presence of two witnesses.

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Witnesses:
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