(No Model.)

# R. A. SHELLARD.

## SEWING MACHINE ATTACHMENT.

No. 491,194. Patented Feb. 7, 1893.

Fig. 1.

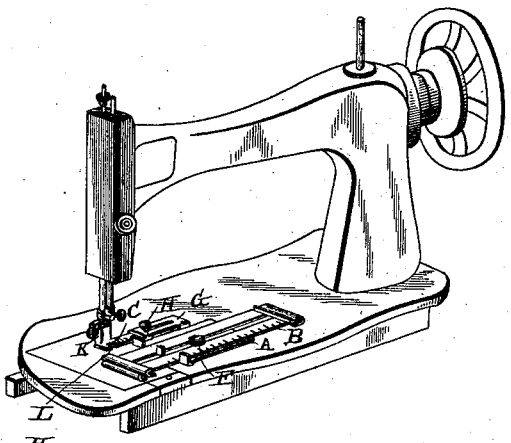



Fig. 2.

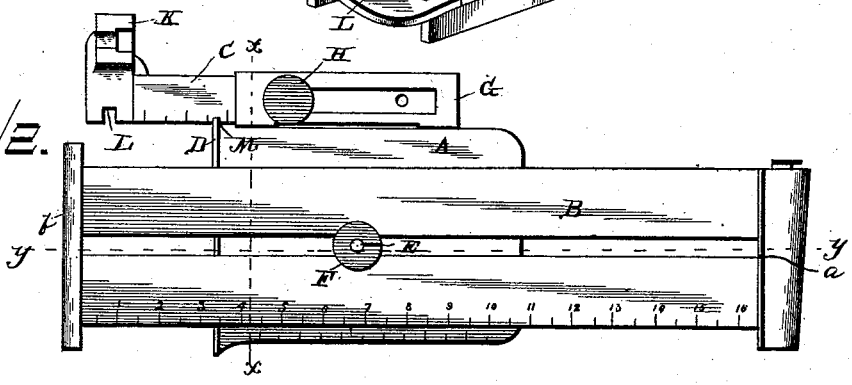



Fig. 3

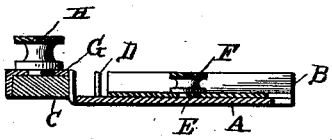



Fig. 4

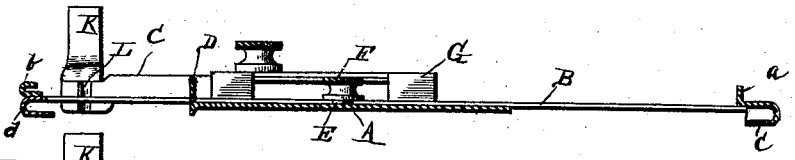
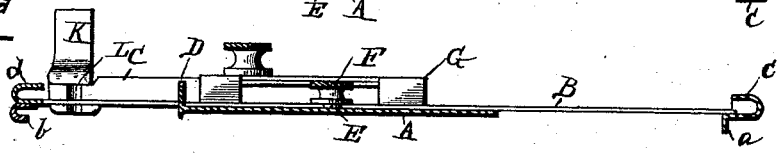



Fig. 5




Witnesses

W. E. Schneider.

Inventor

Rachel A. Shellard.

By her Attorneys,

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# UNITED STATES PATENT OFFICE.

RACHEL A. SHELLARD, OF VIRGINIA CITY, NEVADA.

## SEWING-MACHINE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 491,194, dated February 7, 1893.

Application filed August 27, 1892. Serial No. 444,292. (No model.)

*To all whom it may concern:*

Be it known that I, RACHEL A. SHELLARD, a citizen of the United States, residing at Virginia City, in the county of Storey and State of Nevada, have invented a new and useful Sewing-Machine Attachment, of which the following is a specification.

My invention relates to an attachment for sewing machines.

The primary object of my invention is to provide an attachment provided with a series of turning flanges which, by the reversal of a plate carrying these flanges, may be adapted to perform the functions usually assigned to a number of different attachments.

A further object of my invention is to provide means for attaining a greater degree of adjustment in the tucker, hemmer, &c., than is possible with similar attachments now in use.

Further objects of my invention will appear in the following description, and the novel features thereof will be particularly pointed out in the appended claims.

In the drawings;—Figure 1 is a perspective view of my attachment applied in operative position to a sewing machine. Fig. 2 is a plan view of the same. Fig. 3 is a transverse sectional view on the line *x*—*x* of Fig. 2. Fig. 4 is a longitudinal sectional view through the adjustable plate, on line *y*—*y* of Fig. 2. Fig. 5 is a similar view with the adjustable plate reversed.

My attachment comprises, essentially, the base plate A, the adjustable gage plate B, and the presser-foot bar C. The base plate is provided at one end with the upset gage flange D, and the adjustable plate B is longitudinally slotted to slide upon a vertical screw E attached to the base plate, and a guide at the center of said gage flange, a washer and thumb nut F being fitted upon said screw to hold the adjustable plate in the desired position. This adjustable plate and presser foot bar are provided with graduations, the measurements being taken by arranging indicator *m* of gage flange on one of said presser foot bar graduations, the tuck holder to be regulated by arranging one of said graduations of plate opposite the gage flange.

At one end of the adjustable plate, on the upper side, as shown in Figs. 1 and 2, there is a small hemming or felling flange *b*, similar to that used on other hemming and felling attachments, and on the under side of the plate at the same end is shown a tuck holder *d*, the operation of which, in connection with the gage flange, will be described hereinafter. At the opposite end of the adjustable plate, on the under side, is a large hemmer *c*, suitable for making large hems, and on the upper side is an attachment for cording as shown at *a*. The base plate is provided with a slotted guide arm G, which slides on the presser foot bar C, the former being secured at the desired adjustment by the thumb screw H. The usual presser-foot K, for attachment to the sewing machine, is provided at one end of the presser foot bar, and adjacent thereto is the needle hole L.

To set the attachment for any desired width of tuck cord, or hem, shirring, &c., loosen the thumb screws E and H and draw the base plate forward or backward, as necessary, so indicator will rest over the graduations on the presser foot bar indicating the width desired. To reverse the adjustable plate to adapt the attachment to any one of its various functions, loosen the thumb-nut E and raise the adjustable plate from the base plate, replacing it with the desired tuck holder, hemmer, or other device adjacent to the needle. In tucking, adjust the plate B and the base-plate so as to allow the desired interval (governed by width of desired tuck) between the tuck holder *d* and the gage-flange D, the material as it is fed between the same being kept full so as to allow the edge to be turned down to form a hem. In shirring, allow the goods to pass under the base plate, pull the indicator of gage flange back on presser foot bar the desired distance of space, keeping the last row of stitching against the gage flange, and place cord holder even with needle, lengthen the stitch, and tighten the tension, and after the sewing is completed, draw the top thread, thereby bringing the shirring to place. In cording, place the indicator of gage flange back on presser foot bar the width of the cord, place the cord against the first row of stitching, holding it in place by means of the needle and the gage flange, and then draw the

adjustable plate back until the cord holder *a* is in contact with the cord after which proceed to stitch as in other corders. In quilting, place the indicator of gage flange at the desired distance on presser foot bar, the cord holder being opposite the needle, pass the goods under the base plate and stitch as desired, keeping the last row of stitching in front of the gage flange. In felling, use the small hemmer *b*.

Having thus described my invention, what I claim and desire to secure by Letters Patent is;—

1. An attachment for sewing-machines, having a presser-foot bar a base-plate and a reversible and invertible sliding plate mounted upon said base-plate and provided at opposite ends and upon opposite faces with guides, substantially as specified.

2. An attachment for sewing-machines, having a presser-foot bar, a base-plate provided with a slotted guide fitting upon said bar and carrying a gage-flange, a reversible and invertible sliding plate mounted upon the base-plate and carrying guides, and means to lock said parts in the desired relative positions, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

RACHEL A. SHELLARD.

Witnesses:

A. M. WARREN,

C. C. BOWMAN.