

A. P. ROGERS.
Sewing-Machine Guide.

No. 93,010.

Patented July 27, 1869.

Fig. 1.

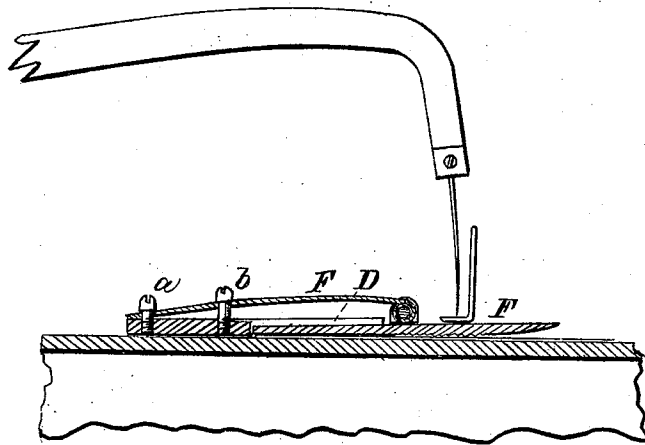
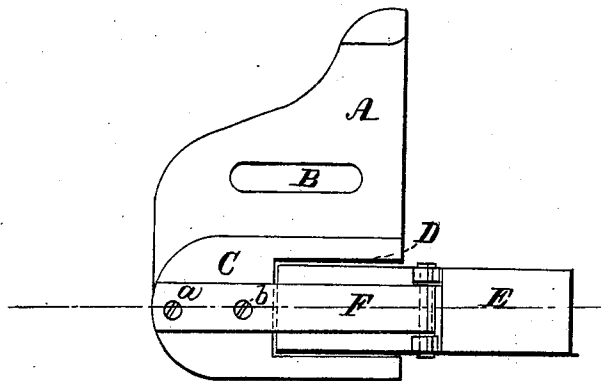


Fig. 2.



Witnesses.

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ANNA P. ROGERS, OF QUINCY, ILLINOIS.

Letters Patent No. 93,010, dated July 27, 1869.

IMPROVEMENT IN GUIDES FOR SEWING-MACHINE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ANNA P. ROGERS, of Quincy, in the county of Adams, and State of Illinois, have invented a new and valuable Improvement in Gauge for Sewing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a section of my improved gauge.

Figure 2 represents a plan view of the same.

Similar letters of reference indicate like parts.

This invention relates to improvements in gauges for sewing-machines, and has for its object to provide an improved adjustable spring-gauge.

It consists of an adjustable gauge-plate, having a recess in its front edge, in which a presser-pad, having inclined serrated grooves on its lower face, is arranged and connected to the said gauge-plate by an adjustable spring, which governs the pressure of the pad upon the cloth.

A represents the adjustable gauge-plate, to be secured to the table of a sewing-machine by a set-screw passing through the slot B.

C represents a raised or thicker portion of the plate, having a recess, D, opening out through the front edge of the said plate.

E represents a presser-pad, fitted loosely to the said recess, and projecting a suitable distance beyond the edge of the gauge, the lower face of which is provided with inclined serrations to draw the cloth toward the edge of the plate A.

F represents a spring, hinged at one end to the pad E, at about the centre of the latter, and connected at the other end to the plate A, by set-screws *a b*, in a manner to adjust the tension of its pressure on the pad E.

This arrangement of the pad, in connection with the plate A, affords a reliable and efficient gauge, as, by reason of the extension of the pad into the recess D, it effectually resists any tendency of the cloth to draw it out of place laterally, and the adjustable arrangement of the springs affords a ready manner of governing the pressure on the cloth, which requires to be varied within a considerable range for light or heavy goods.

My improved gauge is more especially adapted for tucking, and will, after the cloth has been folded over and the machine set to work upon it, in a very great measure save the labor of folding the cloth by the hand as it enters the gauge, as was heretofore required to be done.

It is also well adapted for gauging other work.

I am aware that presser-pads have heretofore been attached by springs to the gauge-plate, but in no instance has an adjustable spring been used in combination with a recessed plate, to regulate the pressure of the pad, and prevent its lateral movement within the gauge-plate.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The combination of the recessed portion C of the gauge-plate, and the curved adjustable spring F, with the concave pad E, all arranged and operating as described, whereby all lateral movement of the pad is prevented, and its pressure upon the cloth adjusted, as herein described, for the purpose specified.

In testimony that I claim the above, I have hereunto subscribed my name, in the presence of two witnesses.

ANNA P. ROGERS.

Witnesses:

L. E. EMMONS,

H. V. SLINGERLAND.