A. P. Rogers.

Sewing Mach. Guide.

No. 85856. Patented Jan. 12. 1869.

Fig. 1.

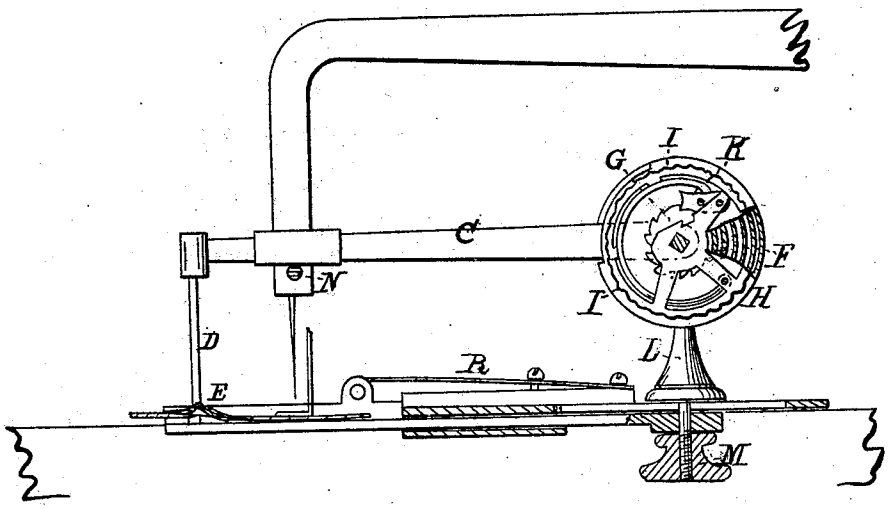
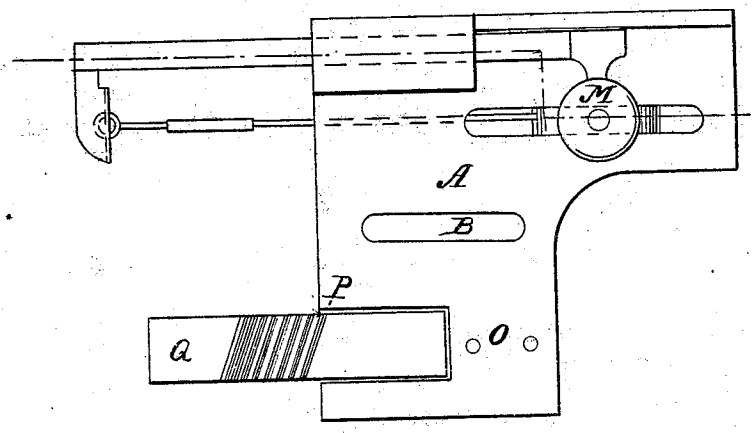


Fig. 2.



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UNITED STATES PATENT OFFICE.

ANNA P. ROGERS, OF QUINCY, ILLINOIS.

IMPROVEMENT IN TUCK-CREASING ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **85,856**, dated January 12, 1869.

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 Sewing-Machine Attachments; 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 sectional elevation of my improved creasing apparatus, taken on the line *x x* of Fig. 2; and Fig. 2 represents a plan view of the bottom of my improved attachment.

Similar letters of reference indicate like parts.

This invention relates to improvements in creasing attachments for sewing-machines, and has for its object to provide an improved creaser and to combine therewith an improved tucking-gage.

It consists in an improved construction of an adjustable vibrating tuck-creasing device, and in the combination therewith of a tucking-gage.

A represents a suitable plate, of metal or other substance, to which my improvements are to be attached, and which may be adjustably attached to the table of a sewing-machine by a set-screw passing through a slot, B, suitably arranged therein.

C represents the supporting and actuating arm of a vibrating creaser, D, arranged to work upon the edge of a creasing-rib of metal, E, in a manner common to other tuck-creasing devices. A coiled or other spring, F, is used, in connection with the arm C, for causing the pressure of the creaser D on the rib E. The said spring is connected at one end to the axle of the arm C and the other end to the said arm.

G represents a ratchet-wheel secured to the case H of the spring, and I a thumb-wheel having a spring-pawl, K.

The tension of the spring may be adjusted by turning the thumb-wheel in either direction. When it is required to lessen the tension the pawl K must be raised out of the notches of the ratchet-wheel G, and for this purpose it may be provided with a pin or handle.

The supporting-stud of the arm C may be adjustably connected to the plate A by a thumb-nut, M, underneath the said plate, in that part of it which projects over the table of the machine; or by a slight change the nut M may be arranged on the upper face of the plate A.

The support of the rib E may be attached to the support L for the purpose of maintaining it always in coincidence with the creaser D.

The plate A may be attached to the machine in a manner to present the arm C in a line parallel with the needle-arm, and sufficiently near to it to allow the set-screw N, for securing the needle to the said arm, to take under the creaser-arm C to raise it when the needle-arm raises. It will be thrown back by the spring F.

This arrangement admits of adjusting the pressure of the presser D to the requirements of the cloth, which varies within a wide range.

I am aware that vibrating tuck-creasers have been heretofore employed, as in the patent granted to one Goodrich, when the creaser is forced down by the action of the needle-arm, which arrangement I consider very objectionable, as the pressure is always the same, whether the goods being operated on be light or heavy, which often injuriously affects the cloth and renders the apparatus very liable to break.

I propose to prolong the plate A beyond the slot B sufficiently to attach thereto, in combination with the foregoing improved tuck-creasing device, a tucking-gage, as represented at O, where a recess, P, is provided for the presser-pad Q, and R represents the spring for the said pad. This arrangement affords a very useful and effective tucking attachment, which may be adjusted to suit the character of any kind of work, and by which the labor is very materially reduced, while it may be accomplished in a very perfect manner.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The case H upon the adjustable support, the spring F, ratchet-wheel G, thumb-wheel I, spring-pawl K, and the arm of the creaser D, all constructed, arranged, and operating as described, for the purpose specified.

2. The combination, in one attachment, of the creasing device and the tucking-gage herein described, substantially as and for the purpose described.

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

ANNA P. ROGERS.

Attest:

L. E. EMMONS,

H. V. SLINGERLAND.