J. J. SIBLEY.

Tuck Creasing Attachment for Sewing Machines.

No. 107,109. Patented Sept. 6, 1870.

Fig. 1, Plan.

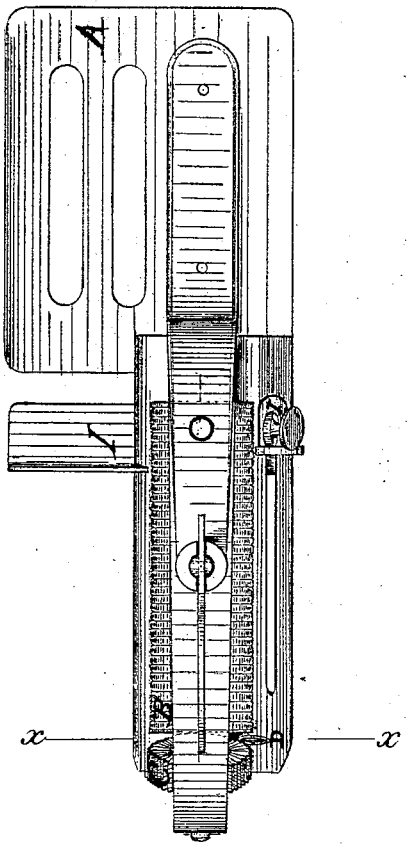


Fig. 2, Longitudinal Section at A, a.

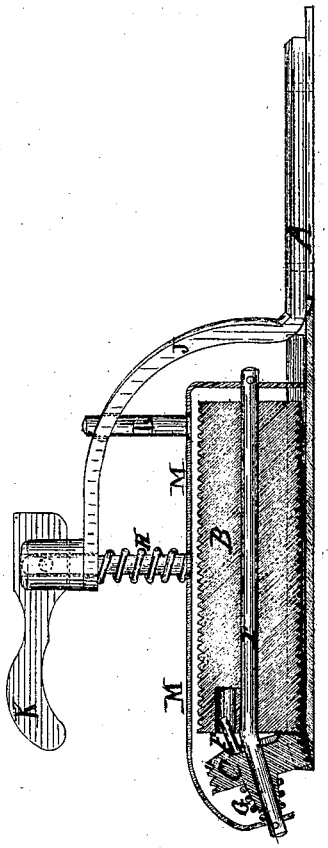
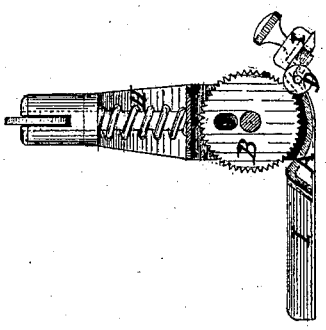


Fig. 3, Cross Section at x, x.



WITNESSES,

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JOHN J. SIBLEY, OF NEW YORK, N. Y.

IMPROVEMENT IN TUCK-CREASING ATTACHMENT FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **107,109**, dated September 6, 1870.

To all whom it may concern:

Be it known that I, JOHN J. SIBLEY, of New York city, have invented a new and useful Improvement in Tuck-Creasers for Sewing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, forming a part of this specification, and to the letters of reference marked thereon, in which corresponding letters represent corresponding parts.

The object of my invention is to provide sewing-machine operators with a tuck-creaser which shall make a perfect crease, and obviate the objectionable wear and tear of, and consequent injury to the sewing-machine unavoidably attending the use of tuck-creasers operated by the needle-arm.

The nature of my invention consists in providing a new and improved tuck-creaser for sewing-machines, composed of two spurred wheels, one of which is supported on the inclined end of a shaft in such manner that its face, which is beveled, moves in a plane at an angle to the face of the other, so that the material to be creased is fed in or passed between the faces of the two wheels, (which come together at one point,) it having first been raised somewhat in a rib by a thin wheel, or equivalent, located a short distance in front of said wheels, and is thereby pinched and definitely creased in passing them.

Description.

A is the plate; B, the spurred creasing-wheel; C, the corresponding spurred creasing-wheel; D, the thin wheel or blade for elevating the material; E, the shaft; F, the pin that turns wheel C; G, the spring that presses the wheel C against the material; H, the spring that presses the wheel B upon the material; I, the cloth-gage; J, the standard which supports the creasing mechanism; K, the lifter; L, the guide-pin; M M, the frame which supports the shaft on which the creasing-wheels revolve.

The operation is as follows: The material, as fed forward in the operation of the machine, is passed under wheel B, which is pressed down upon it by spring H in such manner that the material rotates the wheel B on its shaft E, whereby the pin F rotates the wheel C, and the thin wheel or blade D so lifts the material that it passes between the faces of the revolving wheels B and C at the point where they come nearest together, and creases it as it passes.

It is obvious that the details of mechanism above shown may be readily varied or modified without changing the character of my invention. For example, the creasing-wheels might be supported on separate shafts. The device for elevating the material may be made stationary, and in place of wheel B two wheels might be used, one of said wheels being made adjustable for the purpose of creasing tucks of different widths.

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

1. The combination of wheels B and C, operating together in substantially the manner described, to crease material between the faces thereof.

2. The combination of wheels B, C, and D, operating together, substantially as and for the purpose set forth.

JOHN J. SIBLEY.

Witnesses:
H. C. COVERT,
C. M. SIBLEY.