

J. S. HUGG.

Improvement in Tuck-Creasers for Sewing-Machines.

No. 130,132.

Patented Aug. 6, 1872.

Fig. 1.

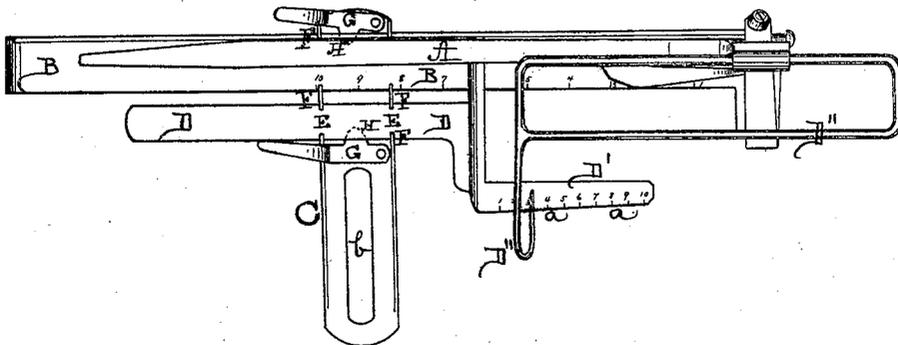


Fig. 2.

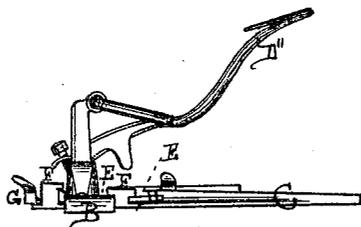
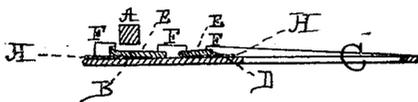


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN TUCK-CREASERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 130,132, dated August 6, 1872.

To all whom it may concern:

Be it known that I, JAMES S. HUGG, of the city and county of Camden and State of New Jersey, have invented a new and useful Improvement in Tuck-Markers for Sewing-Machines; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand, make, and use the same, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is a top or plan view of the device illustrating my invention. Fig. 2 is an end view thereof. Fig. 3 is a transverse section in line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

This invention consists of a sliding plate, carrying the marking mechanism, and a sliding gage, in connection with wedging-levers for securing the said plate and gage on the bed or screw plate.

Referring to the drawing, A represents a longitudinal arm carrying the marking mechanism, which may be similar to that described in a previous application filed by me. This arm is mounted on a graduated plate, B, which has a sliding motion on a bed or screw plate, C, which occupies a position transversely to the longitudinal arm. On the screw-plate is arranged, similarly to plate B, a sliding gage, D, which has a motion independent of the sliding arm A. D' represents an elongated flange, projecting from the upper forward end of the gage, for preventing curling or twisting of the fabric, and it is graduated, as at *a*, for purposes to be explained. The screw-plate C consists of a flat piece of metal or other material, which is designed to lay on the top plate of sewing-machine, and is slotted, as at *b*, in the direction of its length; whereby the marker may be firmly secured in place and adjusted relatively to various constructions of sewing-machines, so that the presser-arm D'' will be brought into proper position for operating the marking mechanism. The sides of the bed-plate C are turned up, and then cut away to form ways or passages E for the plate B and gage D, and

flanges or heads F, which overhang the sides of the plate and gage, so that while longitudinal movements of the sliding parts are readily permitted vertical displacement thereof is prevented. In order to retain the plate and gage in position when adjusted I provide tightening-levers G, which consist of bars hinged to the screw-plate, and having formed with or secured to them angular arms H, which are made tapering or wedging on their upper or lower faces, or both, and adapted to be brought under the sliding plate and gage between said parts and the screw-plate, in which operation the sliding plate and gage will be forced against the heads F and securely tightened or held in place.

The operation is as follows: The screw-plate is first fastened to the sewing-machine by means of an ordinary sewing-machine set-screw or otherwise, so that the marker-gage will be parallel to the direction of the machine-feed. The gage is then placed the desired distance from the needle and is there fastened by means of its wedging-lever. I now place the marking device in position by moving the arm A nearer to or further from the needle, so as to suit the width of space desired between the tucks, and then secure the arm on the screw-plate by means of its wedging-lever. The figures on the flange D' determine the width of the tuck, and those of the plate B determine the width of the spaces between the tucks, and it will be seen that the widths, as stated, may be readily adjusted as desired.

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

The sliding arm A, carrying the marking mechanism, and the sliding gage D, in combination with the wedging-levers G for securing said arm and gage on the bed or screw plate C, substantially in the manner and for the purpose set forth.

The above signed by me this 14th day of May, 1872.

JAMES S. HUGG.

Witnesses:

JOHN A. WIEDERSHEIM,
HARRY M. WIEDERSHEIM.