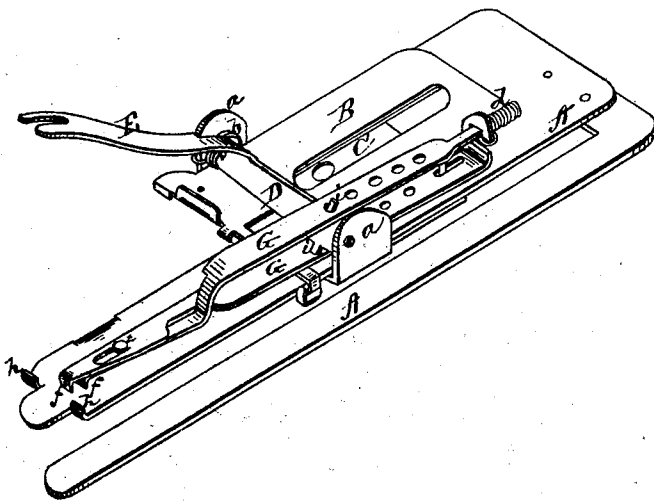


W. CARPENTER.

Tuck-Creasing.

No. 135,078.

Patented Jan. 21, 1873.



Witness:

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UNITED STATES PATENT OFFICE.

WILLIAM CARPENTER, OF LAWRENCE, KANSAS.

IMPROVEMENT IN TUCK-CREASERS.

Specification forming part of Letters Patent No. 135,078, dated January 21, 1873.

To all whom it may concern:

Be it known that I, WILLIAM CARPENTER, of Lawrence, in the county of Douglas and in the State of Kansas, have invented certain new and useful Improvements in Tuck-Creasers for Sewing-Machines; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a tuck-creasing attachment for sewing-machines, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which is a perspective view of my entire attachment.

A represents the bed-plate of my attachment, and B is the gage, placed on the top of the bed-plate, and both provided with longitudinal slots, so that they can be adjusted to any desired position. The gage-screw which fastens these two parts to the machine also passes through a hole in a plate, C, which is placed under the bed-plate A, and thus secures said plate C also to the machine. This plate C is always in the same position on the machine, however the bed-plate and the gage may be moved and adjusted. The plate C is provided with two upward-projecting ears, *a a*, one extending upon the outside of the bed-plate and gage, and the other through a long slot in the bed-plate. In and between these ears is pivoted a rocking shaft, D, provided with an arm, E, the outer end of which is slotted, to be placed under the needle-bar of the machine.

When the needle-bar descends it depresses the bar E, and as the needle-bar ascends again the arm E is raised by a spring, *b*, thus imparting a rocking motion to the shaft D.

On the rocking shaft D are two pins, *i i*, projecting in opposite directions, and inserted in holes in two bars, G G, placed one above and the other below the rocking shaft. The

bars G G are so constructed at their rear ends that one will pass through the other, and a spring, *d*, is placed on the projecting part to force the bars in opposite directions. The front ends of the bars G G are connected by means of a headed pin or screw, *e*, passing through a slot in one and into the other.

It will thus be seen that by the rocking motion of the shaft D these bars G G obtain a reciprocating sliding motion always in opposite directions.

The extreme front ends of the bars G G are formed or provided with downwardly-projecting jaws *f f*, which open and close by the motion of the bars, and work between upturned edges or ribs *h h* on the bed-plate A, to crease the goods for the next tuck while the preceding one is being sewed.

In moving the bed-plate A according to the width of the tuck desired, the pins or lugs *i i* on the rocking shaft D are changed into different holes on the bars G G.

The jaws *f f* may be made separate from the bars G G, pivoted together, and connected with said bars in such a manner as to operate like a pair of shears.

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

1. The perforated sliding bars G G provided with spring *d* and jaws *f f*, and operated from the needle-bar of the machine by the lever E, rocking shaft D, and pins or lugs *i i*, substantially as and for the purposes herein set forth.

2. The combination of the bed-plate A with edges or ribs *h h*, gage B, plate C with ears *a a*, rocking shaft D with pins or lugs *i i*, arm E, spring *b*, and perforated sliding bars G G with spring *d* and jaws *f f*, all constructed and arranged to operate substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of September, 1872.

WM. CARPENTER.

Witnesses:

GEO. S. HAMPTON,
GEO. W. SMITH,