

C. F. KNOCH.
Tucker for Sewing-Machines.

No. 216,192.

Patented June 3, 1879.

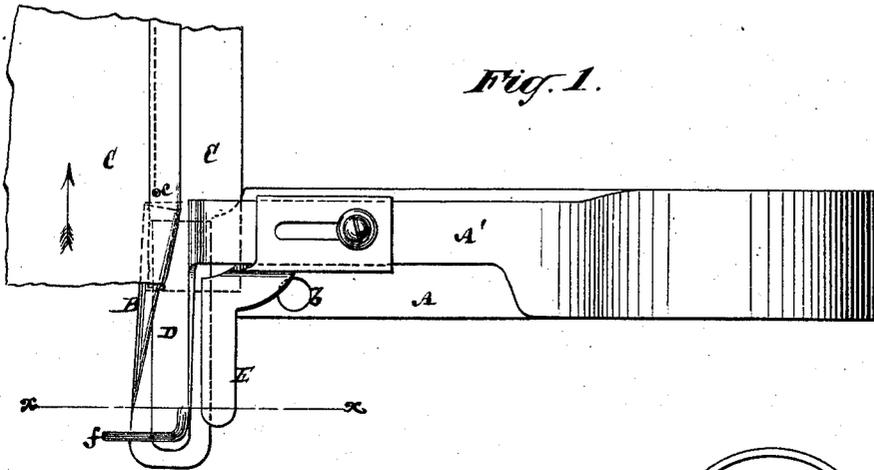


Fig. 1.

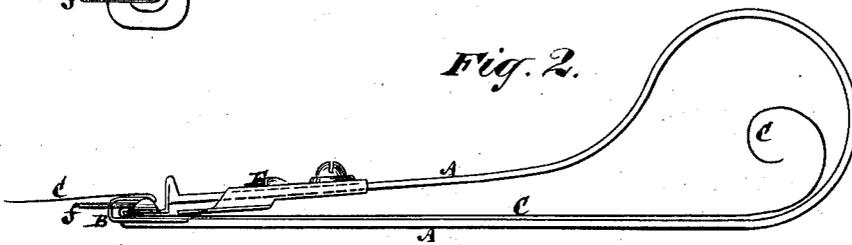


Fig. 2.

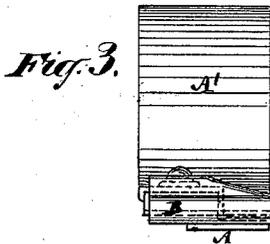


Fig. 3.

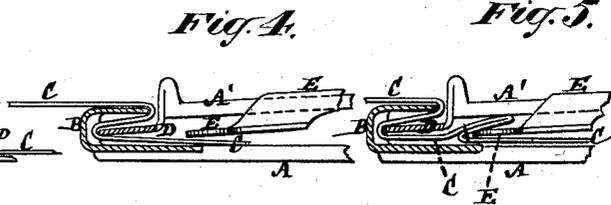


Fig. 4.

Fig. 5.

Fig. 6.

Witnesses
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IMPROVEMENT IN TUCKERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **216,192**, dated June 3, 1879; application filed March 15, 1879.

To all whom it may concern:

Be it known that I, CHARLES F. KNOCH, of the city and State of New York, have invented certain new and useful Improvements in Tuckers for Sewing-Machines, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

This invention consists in a tucker or tucking attachment for sewing-machines of novel construction, to provide for folding or laying over the tucks, and also for retaining them while being stitched as folded, so that the stitches which secure them pass through three thicknesses of material, and each succeeding tuck is guided by an adjustable gage arranged to enter within the previous tuck, and serving to space the distances of the tucks apart; also, whereby provision is made for receiving within the main holder of the tucker the goods as tuck.

In the accompanying drawings, Figure 1 represents a plan view of a tucker constructed in accordance with my invention, and showing a piece of cloth as in the act of having a tuck formed in it; Fig. 2, a side view of the same; Fig. 3, a front-end view thereof; and Figs. 4 and 5, vertical sections on the line $x x$ in Fig. 1, showing the work at different stages in the operation. Fig. 6 is an edge view of a piece of tuckered goods as made by the attachment.

A A' indicate the main plate, which forms the holder or frame portion of the tucker. This plate is bent to form a lower leaf (marked A,) and upper leaf (marked A'), united at their back ends to form a spring-bow, for the purpose of giving to the tucker an elastic or self-accommodating character, and to form a capacious space in its rear end for the reception of the surplus material under operation, or of the finished tuckered portion of the goods, which is free to curl up within said spring-bow.

The lower leaf, A, is secured to the bed or table of the sewing-machine by means of a screw passing through an aperture, b , and has attached to its forward end the outer former,

B, of graduated U or hook shape in its transverse section, and over and along within which the cloth C is fed to form the tuck, and to provide for its being stitched by the needle c of the machine in line with the tuck, as shown in the drawings.

Attached to the front and free or yielding end of the upper leaf, A' , of the main plate, frame, or holder of the tucker is an inner former or blade, D, which enters within the fold formed by the outer former, B, and, in conjunction with said outer former, serves to shape the tuck and to lay it so that as the cloth or material C passes from the tucker it is delivered with the tuck folded or laid down, so that the sewing-needle will cause the stitches which secure the goods to pass through three thicknesses of the material, as shown in Fig. 6.

Attached also to the yielding leaf A' of the main plate, frame, or holder is a gage or gaging-blade, E, adjustable along said leaf relatively to the formers B and D, for receiving against it, as shown in Fig. 5, each previously-stitched tuck, which thus forms a guide for the succeeding tuck. This gage does not serve to determine the width of the tucks, but simply the distances apart of the tucks.

The direction as regards entry and passage of the goods C is clearly illustrated in Figs. 4 and 5 of the drawings, and the goods as introduced to the tucker are held down to their place by a foot or arm, f , attached to the inner former or folding-blade, D.

I claim—

The main plate, frame, or holder constructed of upper and lower leaves, A A' , united to form a bow-spring at their rear ends, in combination with the outer U-shaped former, B, the inner former, D, having an attached foot or arm, f , and the gage E, adjustable toward and from said formers, essentially as shown and described.

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Witnesses:

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