

Improvement in Tuck Creasers for Sewing Machines.

No. 122,352.

Patented Jan. 2, 1872.

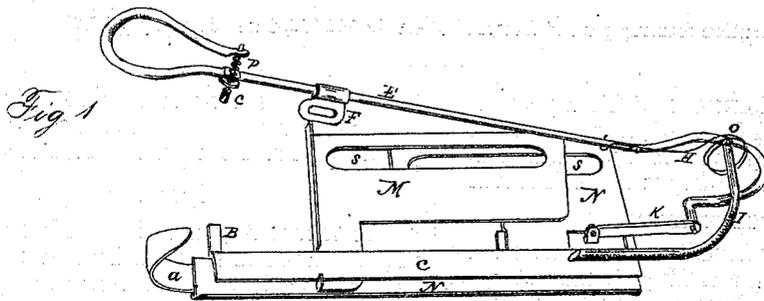


Fig 1

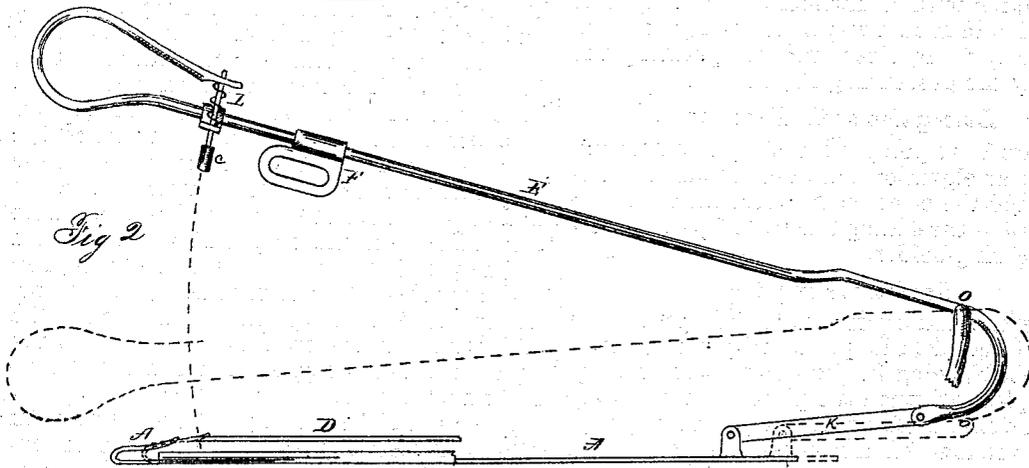


Fig 2

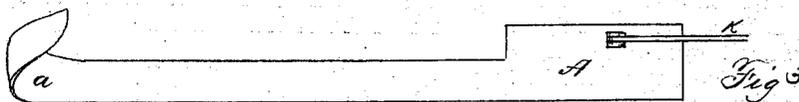


Fig 3

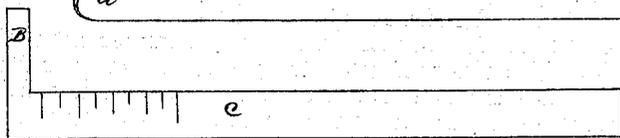


Fig 4

Witnesses
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WILLIAM E. BARNUM, OF CHICAGO, ILLINOIS, ASSIGNOR TO HERMAN B. GOODRICH, OF SAME PLACE.

IMPROVEMENT IN TUCK-CREASERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 122,352, dated January 2, 1872.

I, WILLIAM E. BARNUM, of Chicago, in the county of Cook and State of Illinois, have invented certain Improvements in Tuck-Markers, of which the following is a specification:

SPECIFICATION.

The object of my invention is to construct a tuck-marker having a sliding folder acting in conjunction with a hammer and a tongue or projection in such a way as to produce a mark or crease in the cloth, and of operating the same by the descending needle.

Description of the Drawing.

Figure 1 is a perspective of my tuck-marker. Fig. 2 is an elevation, showing the hammer elevated and the same when descended. Fig. 3 is a view of the sliding folder. Fig. 4 is a view of the spring-holder.

General Description.

A is the sliding folder, located under the plate N and held in position by the edges of the plate N, being turned down. *c* is a spring-holder, located upon the plate N immediately over the sliding folder A. Upon this spring-holder are marked distances, which serve as a gauge. M is a guide-plate, located upon the plate N, with an arm extending under the spring-holder *c*. B is a tongue, extending from the spring-holder *c* immediately in front of the upturned or hooked end of the sliding folder A, and bent down so as to form an even surface on the lower side of the marker. It will be observed that the front end of the sliding folder A is turned up, forming a hook. E is a bent lever, hung on the fulcrum O, extending forward and terminating in hook-form, as shown in Figs. 1 and 2. C is a hammer, passing through an eye on the bent lever E and through the same at the end. Between the eye and the end of the bent lever and around the hammer C is a coiled spring, P. F is a loop, loosely attached to bent lever E, and through which the needle passes. H is coiled spring, with one end attached to the fulcrum-post I and the other acting on the bent lever E. K is a connecting-link, working between the rear end of the bent lever E and the rear end of the sliding folder A, through an opening in the plate N. I is a fulcrum-post, at-

tached to the rear end of the plate N and spring-holder *c*, and bent backward to the proper point for the bent lever E to work from.

Operation.

The tucker is attached to the bed of the sewing-machine by means of a thumb-screw through the slots *s s*. The needle passes through the loop F. The cloth is passed under the upper spring *c*, and under the tongue B, and over the hooked end of the sliding folder A. The machine being in motion the hammer *c* descends, and, as the bent lever E is pressed down, the sliding folder N is drawn back, and the looped or hooked end draws a portion of the cloth over the tongue B at the same instant the hammer C descends and strikes the cloth just at the point where it is folded over the tongue B, which forms a mark on the cloth the same as there is when a fold is made in the cloth in the ordinary way. The guide M can be adjusted so as to make the tuck wider or narrower at pleasure. As the needle ascends the spring H elevates the bent lever and hammer.

The dotted lines in Fig. 2 show the position of the bent lever when the hammer is in contact with the cloth on the tongue. The concussion of the hammer is destroyed by the action of the coiled spring P.

Claims.

I claim as my invention—

1. The combination and arrangement of the sliding folder A, tongue B, and hammer C, all arranged and constructed substantially as described, for the purpose of producing a mark on the cloth when the same is passing under the needle.

2. The sliding folder A, constructed and operated in the manner shown, in combination with a tuck-marker, substantially as shown and described.

3. The combination and arrangement of the parts shown and described for the purpose of moving the sliding folder A, substantially as and for the purpose described.

WILLIAM E. BARNUM.

Witnesses:

JAS. A. COWLES,
H. L. MASON.

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