

J. F. KELLOGG.

Tuck Creasing Attachment for Sewing Machines.

No. 101,272.

Patented Mar. 29, 1870.

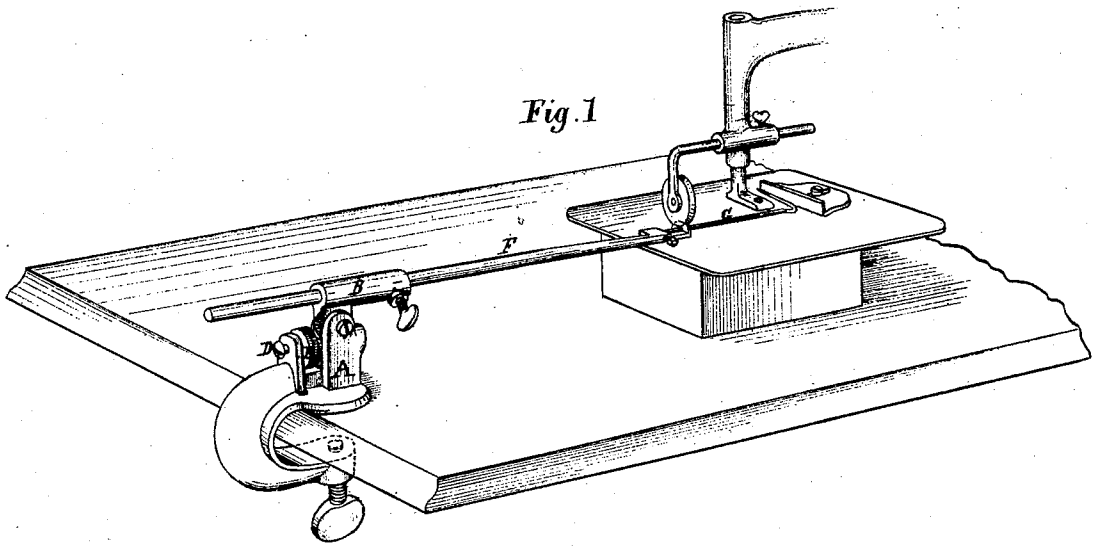


Fig. 1

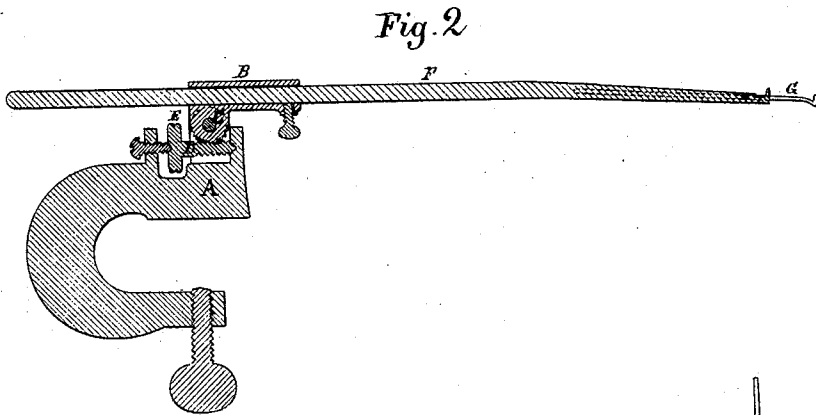


Fig. 2

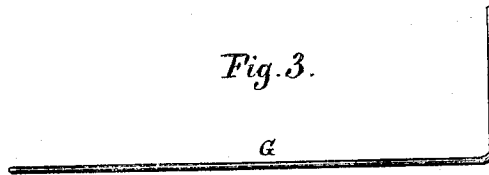


Fig. 3.

Witnesses:  
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# United States Patent Office.

JAMES FRANKLIN KELLOGG, OF NORTH BRIDGEWATER, MASSACHUSETTS.

Letters Patent No. 101,272, dated March 29, 1870.

## IMPROVEMENT IN TUCK-CREASING ATTACHMENT FOR SEWING-MACHINE.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, JAMES FRANKLIN KELLOGG, of the town of North Bridgewater, in the county of Plymouth and State of Massachusetts, have invented a certain improved Tuck-Marker for Sewing-Machines.

My invention consists in rendering the arm of the marker adjustable vertically with relation to the bed plate, and also in combining therewith an adjustable plaiting finger, or inside gauge; and I do hereby declare that the following specification, taken in connection with the drawings furnished and forming a part of the same is a true and clear description thereof, reference being had to the drawings.

Figure 1 represents in perspective one of my improved tuck-markers, and is exhibited in connection with the top of a sewing-machine table, a bed-plate, presser-foot and creaser-wheel, to illustrate the manner of its application.

Figure 2 represents my tuck-marker in vertical longitudinal section.

Figure 3 represents more fully the plaiting finger.

The same letters of reference indicate respective parts in the figures.

A represents a standard provided with jaws and clamp-screw, to admit of ready adjustability to the edge of the sewing-machine table.

B represents a cylindrical socket open at both ends for receiving the marker-arm, which may be secured in any desirable longitudinal position by means of a set-screw or its equivalent.

C represents a pivoted fulcrum, attached to and forming a part of the socket B. A slotted ear of the standard A is fitted to receive this fulcrum, and the two are connected by a stud or screw passing through both. The lower end of the fulcrum is circular, and its edge being cut with spiral teeth, may be likened to a segment of a spiral gear.

D is a threaded or screw-shaft placed in the standard, parallel with the face of the threaded fulcrum, and directly beneath it, so arranged that the threads of the shaft engage with the spiral teeth of the fulcrum.

E is a knurled wheel attached to the shaft D, and is the medium through which the screw-shaft is to be turned, and the fulcrum C rocked longitudinally to and fro on its stud.

F represents the arm of the tuck-marker. It should at least be of sufficient length to extend from the edge of the table to the presser-foot, and fitted to slide freely in the cylindrical socket B, in which it may be secured by the set-screw. Its operative end is provided with a creasing edge rising vertically to engage with the channel of the creasing-wheel. At its operative end

it is also provided with a laterally-projecting ear through which a socket is drilled longitudinally parallel with the arm, for receiving the plaiting finger or inside gauge which may be secured in any desired position by means of a set-screw in the arm arranged to engage with the shank of the finger or gauge.

G represents the plaiting finger, or inside gauge. It consists of a single piece of wire, of fine steel by preference, with its end slightly flattened and tapered, bent at a sharp right angle to the shank. The shank is fitted to enter a longitudinal socket in the end of the arm, and secured in any desired position by a set-screw. The finger should be arranged so as to point in the direction of the feed.

The object sought by me in having the marking-arm adjustable vertically, is that the crease may be readily made sharp or dull, as may be desired, the same being accomplished by great or little pressure of the creasing edge against the creasing-wheel, according to the style of work being performed.

A further object sought to be accomplished by me, in the vertical adjustability of the arm, is to be enabled thereby to construct a tuck-marker capable of general attachment to a variety of machines, compensating in a measure for the difference between the face of the bed-plate and the top of the table, and also by the vertical adjustability of the arm, the space between its under side and the top of the bed-plate may be varied to admit of the free backward passage of the plaited goods already stitched, without being brought again in contact with the creaser.

By means of the finger or inside gauge in the end of the marking-arm, the plait is held smooth and straight, securing a desirable uniformity in the width of the plait.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. The combination with the arm F, having the creasing edge, of the longitudinally-adjustable finger G.

2. The combination with a suitable standard of the arm F, having a creasing edge and made adjustable vertically in relation to the bed of the machine, substantially as described.

3. In combination with the standard A, the adjustable arm F, having the creasing edge and the longitudinally-adjustable finger G, substantially as described.

JAMES FRANKLIN KELLOGG.

Witnesses:

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