

(No Model.)

J. C. GOODWIN & C. W. WARREN.

TUCK MARKER FOR SEWING MACHINES.

No. 296,556.

Patented Apr. 8, 1884.

Fig. 1.

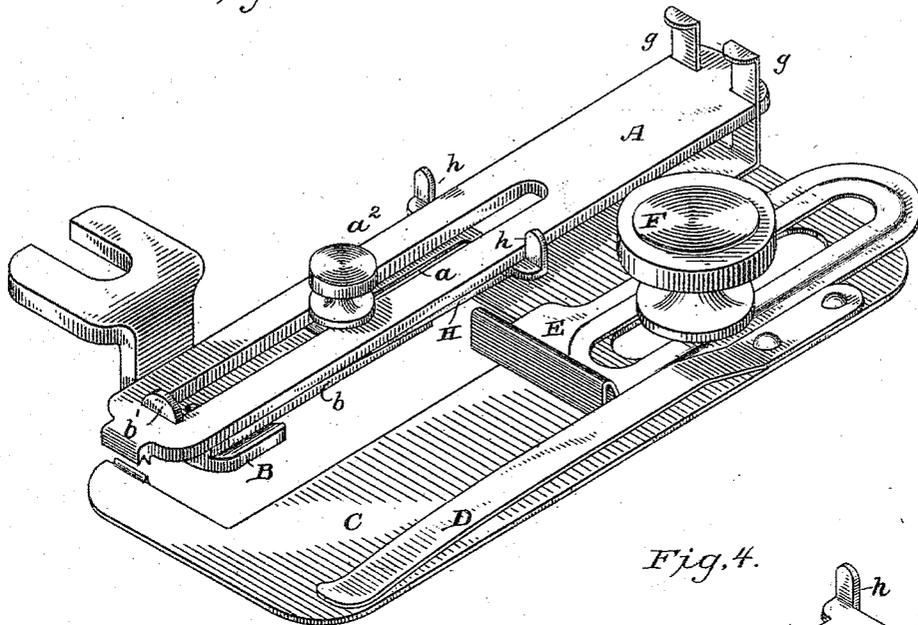


Fig. 4.

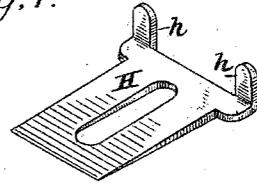


Fig. 2.

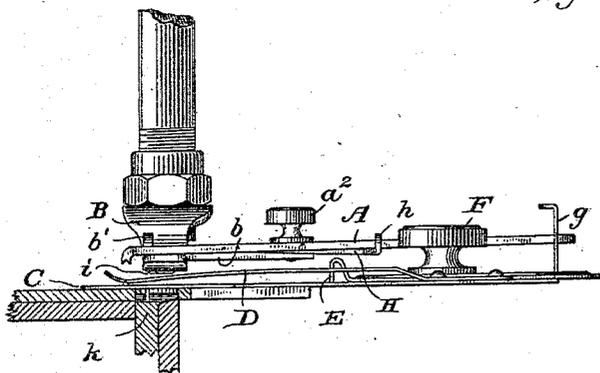
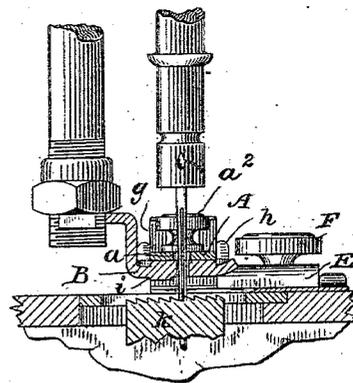


Fig. 3.



WITNESSES

*Wm A. Linkle*  
*Geo. W. Young*

INVENTOR

*Jubius C. Goodwin*  
*Chas W. Warren.*

By their Attorneys

*Baldwin, Hoffkins & Payson*

# UNITED STATES PATENT OFFICE.

JULIUS C. GOODWIN AND CHARLES W. WARREN, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNORS TO THE AMERICAN BUTTONHOLE, OVERSEAMING AND SEWING MACHINE COMPANY, OF SAME PLACE.

## TUCK-MARKER FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 296,556, dated April 8, 1884.

Application filed December 13, 1883. (No model.)

*To all whom it may concern:*

Be it known that we, JULIUS C. GOODWIN and CHARLES W. WARREN, both of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Tuck-Markers for Sewing-Machines, of which the following is a specification.

In the accompanying drawings, Figure 1 is a perspective view of our improved device; Fig. 2, a detail front elevation, showing part of a bed-plate of a sewing-machine; Fig. 3, an end view, partly in section; and Fig. 4, a detail view of the sliding wedge for adjusting the creaser-bar.

The creaser-bar A is mounted directly upon the presser-foot B of the sewing-machine, which, for convenience of attachment of the creaser-bar, is provided with a lateral extension, *b*. The bar is secured upon the presser-foot by a headed button, *b'*, which travels in a slot, *a*, in the bar. A screw-bolt, which is secured to the extension of the presser-foot, also projects up through the slot *a*, and is provided with a clamp-nut, *a'*, by which the creaser-bar may be adjusted endwise and held in any desired position.

The bottom plate of the marker C is provided with the ordinary smoothing-finger, D, gage E, and thumb-bolt F, by which it is secured to the bed-plate of the machine. One end of the creaser-bar is formed with a suitable creasing-notch or marker, while the opposite end is formed with a transverse slot cut in each side, in which upright guide-plates *g*, carried on the bottom plate, work. It will be perceived that the creaser-arm moves vertically bodily with the presser-foot, and that the uprights *g* serve as means for loosely connecting the bottom plate and creaser-bar, and also as guides for keeping the parts in proper position in the adjustment of the bar and bed-plate.

It is desirable to afford some vertical adjustment of the creasing end of the bar A in order to accommodate it to fabrics of varying thickness. This we accomplish by means of a sliding slotted wedge-plate, H, which works

between the lateral extension of the presser-foot and the under side of the creaser-bar, and is provided with a couple of upright lugs or ears, *h*, which embrace the sides of the creaser-bar and facilitate its movement in adjusting. The screw-bolt on which the thumb-nut *a'* works also passes through the slot in the wedge-plate. It is obvious that by sliding this wedge in or out the creasing end of the bar may be elevated or depressed. There is of course sufficient play of the uprights *g* in the slots in the sides of the creaser-bar to permit this rocking of the bar.

We find that where the creaser-bar is mounted on the presser-foot it is desirable for some reasons to impart a greater amplitude of vertical movement to the presser-foot. We accomplish this by forming a heel or projection, *i*, on the bottom of the presser-foot. The cloth-feed *k*, rising against this heel, lifts the presser-foot higher than it otherwise would. This increased motion of the presser-foot adapts the marker more readily to varying thicknesses of material.

We are aware that a creaser-bar mounted on a presser-foot, so as to move bodily therewith, and so as to be adjusted both vertically and endwise, or longitudinally, is old.

We are also aware that a spring creaser-arm secured on the bottom plate of a tucker-marker has been adjusted to obtain variations of pressure of the marking devices by means of a slotted sliding block working against an incline on the bottom plate. We make no claim, therefore, to such subjects-matter.

We hereby disclaim any subject-matter herein shown which is claimed in our application No. 109,827, filed October 23, 1883.

We claim as our invention—

1. The combination, substantially as set forth, of the presser-foot, the creaser-bar mounted thereon, so as to move bodily vertically with the presser-foot, the bottom plate, and a loose connection between the bottom plate and a creaser-bar, which permits the vertical movement of the latter.

2. The combination, substantially as set forth, of the presser-foot, the creaser-bar

mounted thereon and moving bodily there-  
with, the bottom plate, and the vertical guide  
on the bottom plate in which the creaser-bar  
works vertically.

5 3. The combination, substantially as set  
forth, of the presser-foot, the slotted creaser-  
bar mounted thereon, the wedge-plate which  
works between the creaser-bar and the presser-  
foot, and the clamping bolt or nut which serves  
10 to clamp the presser-foot, wedge, and bar to-  
gether.

15 4. The combination, substantially as set  
forth, of the presser-foot, the slotted creaser-  
bar mounted thereon, the sliding wedge-plate,  
the clamping bolt or nut, the bottom plate,

and the loose connection between the creaser-  
bar and bottom plate.

5. The combination, substantially as set  
forth, of the presser-foot, the cloth-feed, the  
enlargement on the sole of the presser-foot, 20  
and the creaser-bar carried by the presser-  
foot.

In testimony whereof we have hereunto sub-  
scribed our names this 12th day of December,  
A. D. 1883.

JULIUS C. GOODWIN.  
C. W. WARREN.

Witnesses:

W. E. STEER,  
C. W. SUMMERFIELD.