

No. 751,615.

PATENTED FEB. 9, 1904.

A. CRAWFORT.
GUIDE FOR SEWING MACHINES.

APPLICATION FILED FEB. 26, 1903.

NO MODEL.

Fig. 1.

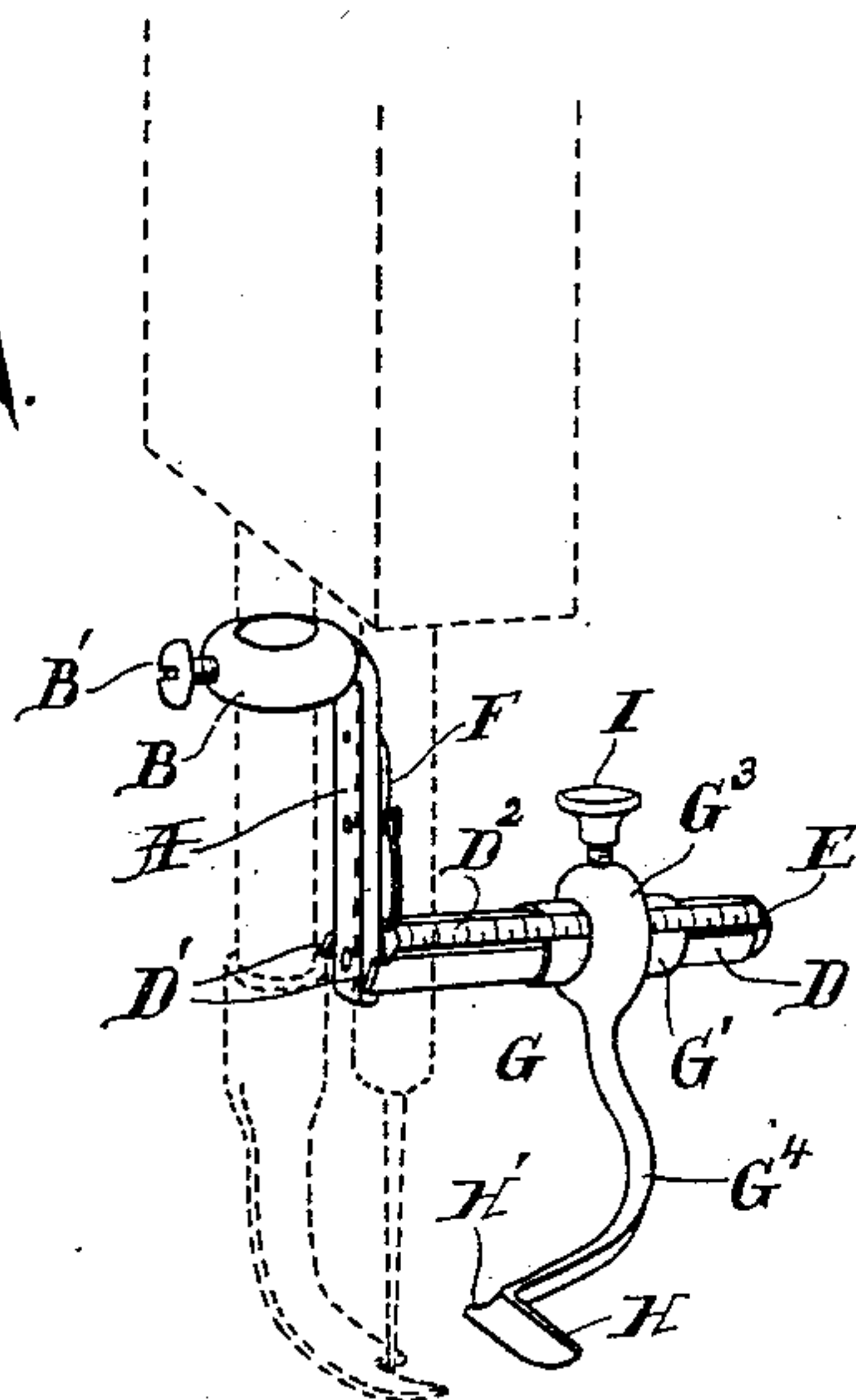


Fig. 2.

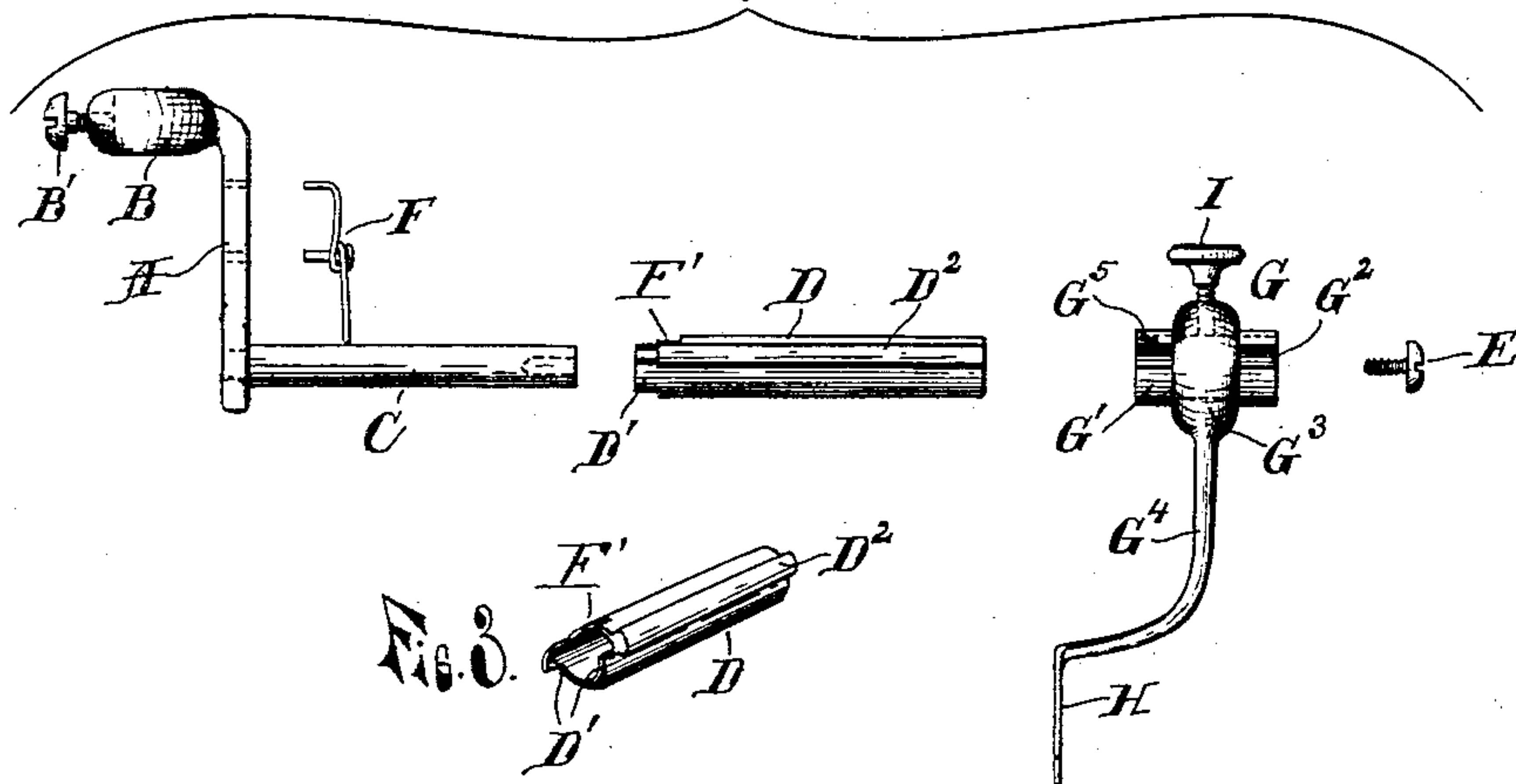


Fig. 3.

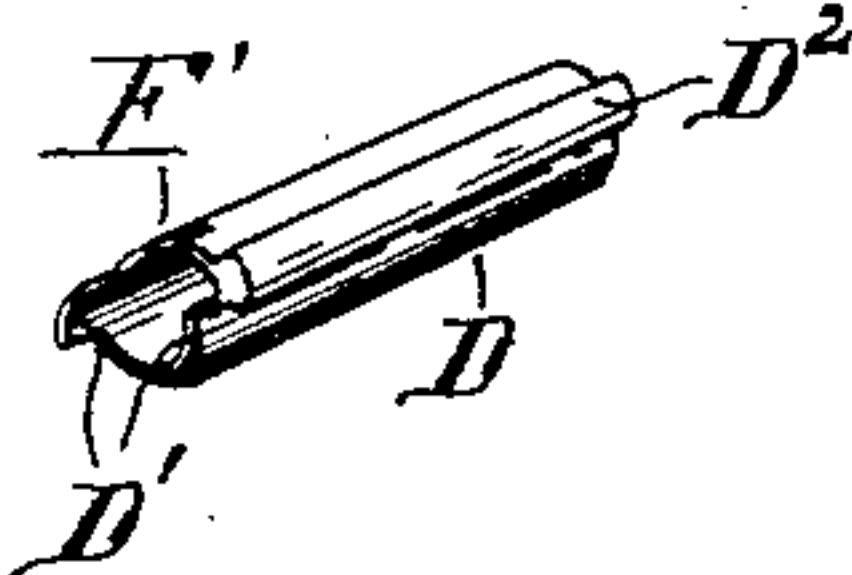
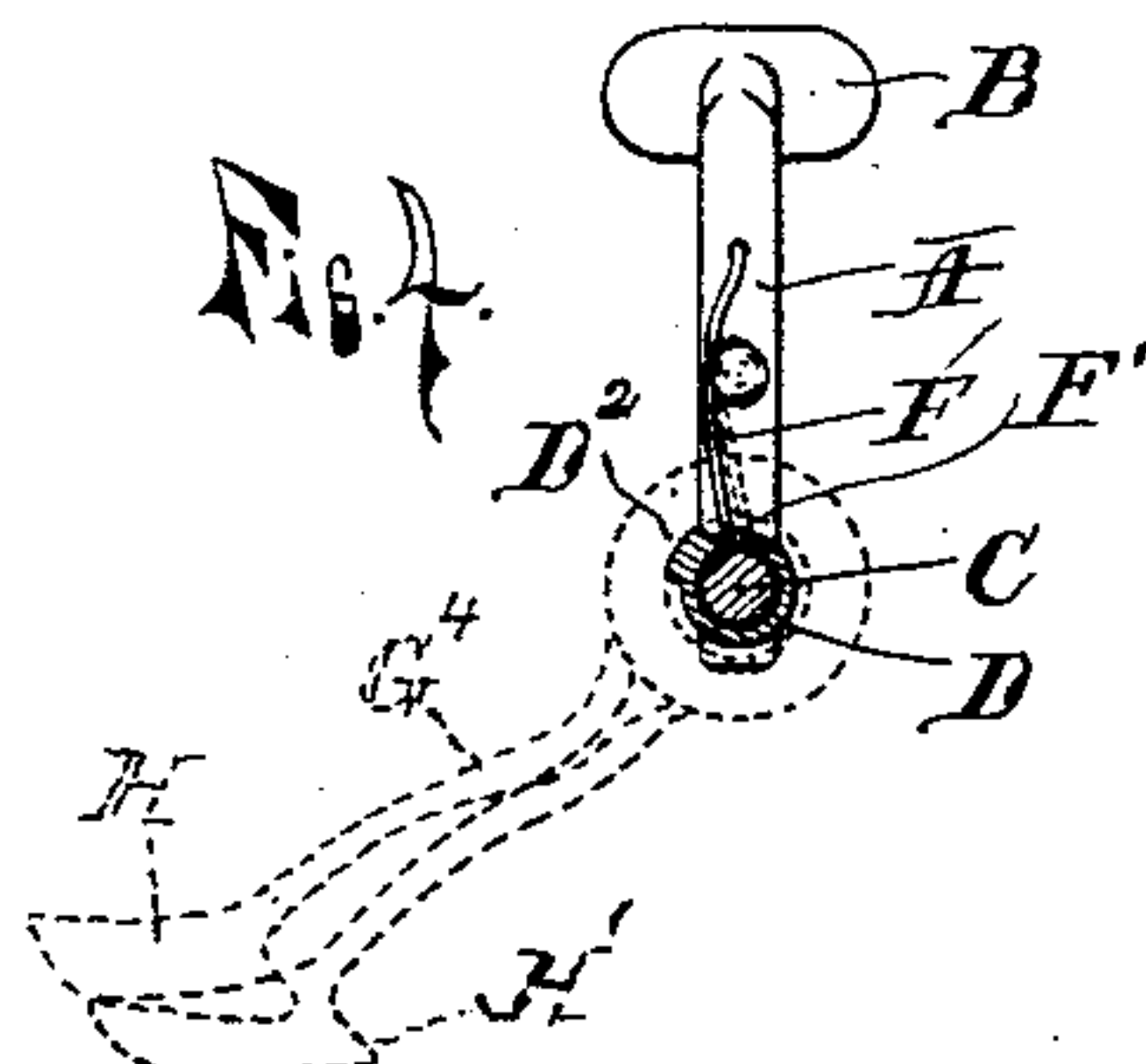


Fig. 4.



WITNESSES.

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GUIDE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 751,615, dated February 9, 1904.

Application filed February 26, 1903. Serial No. 145,140. (No model.)

To all whom it may concern:

Be it known that I, AUGUST CRAWFORTH, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Guides for Sewing-Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to improvements in sewing-machine attachments, and especially to guides for sewing-machines adapted to assist the operator in stitching in parallel lines or at a certain distance from and parallel to any given line; and its object is to provide a simple, cheap, and efficient guide for the purpose which may be readily detached when not in use, may be easily and quickly adjusted, does not obstruct the vision of the operator, is constructed to yield to pass over obstructions or to yieldingly press down upon the work to aid in holding the same firmly in place, and to provide certain other new and useful features, all as hereinafter more fully described, and particularly pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of a device embodying my invention, showing in dotted lines its relation to the sewing-machine when in operative position. Fig. 2 is a view showing the parts detached and in side elevation. Fig. 3 is a perspective view of the sleeve; and Fig. 4 is a transverse section of the device, showing the foot in dotted lines.

A is a vertical supporting-bar provided at its upper end with an integral ring B, extending laterally therefrom to receive the presser-foot bar of a sewing-machine, to which it is secured by a set-screw B', and secured to the lower end of the bar A is an arm C, formed of a rod, extending laterally therefrom and at right angles thereto to form a supporting-arm to receive the sleeve D, which is held thereon by a screw E engaging a screw-threaded opening in the outer end of said arm. One end of said sleeve is provided with projecting portions, forming stops D', to engage the sides of

the bar A and limit the rotary movement of the sleeve, and secured to the side of said bar A is a spring F, one end of which engages a slot F' in the sleeve and exerts a force to turn said sleeve in one direction. The sleeve is also provided with a longitudinal rib D², and movable longitudinally on said sleeve is a guide G, consisting of a tube G', provided with a longitudinal slit G² for the rib, and a ring G³, through which the tube passes and to which it is secured, said ring being also provided with a downwardly-extending integral arm G⁴, having a foot H formed at its lower end to engage the machine-table or the work thereon and form a guide against which the edge of the cloth is held in sewing or to follow a line on the work to space the stitching. The foot may be adjusted toward or from the needle by moving the tube along the sleeve, a set-screw I being provided to hold the guide in any position to which it may be adjusted, and the rib D² is provided with a scale to aid in accurately adjusting the guide. The tube G' is notched at G⁵ to pass the spring F, and the guide-arm G⁴ is curved laterally, so that when the guide is moved to bring the tube G' into contact with the bar A said foot will lie very close to the presser-foot of the machine, and said arm will not obstruct the operator's view of his work.

The foot H is provided with a heel H', which gives it a longer bearing-surface without obstructing the operator's view, and its forward end is curved upward, so that it will easily pass over any obstructions, the spring F yielding to allow the sleeve and guide-arm to turn slightly. The spring F also acts to always hold the foot in contact with the table or work as the presser-bar of the machine moves up and down, thus preventing the work from getting under the foot when being guided by contacting its sides, and when resting upon the work it serves to hold the work in place when the presser-foot of the machine is raised.

When the operator does not wish to use the device for a short time, the guide-arm G may be removed by simply turning the set-screw I and slipping the guide off the end of the sleeve

D, leaving the other parts still attached to the machine, as they do not interfere with the work.

Having thus fully described my invention,
5 what I claim is—

1. A sewing-machine attachment consisting of a supporting-arm adapted to be detachably secured at one end to the presser-foot bar of a sewing-machine and to extend laterally out-
10 ward at right angles thereto, a rotatable sleeve on said arm, stops to limit the movement of said sleeve, a spring exerting a force to turn the sleeve, a guide adapted to be slipped longitudinally over the sleeve and having a guide-
15 arm extending therefrom, and means for detachably securing the guide to the sleeve.

2. A sewing-machine attachment consisting of a vertical supporting-bar provided with means for its attachment to the presser-foot
20 bar of a sewing-machine, a supporting-arm secured at one end to said bar and extending at right angles thereto, a sleeve on said arm having projecting portions forming stops to engage the sides of said bar, a spring secured
25 at one end to said bar and engaging said sleeve with its opposite end to exert a force to turn the sleeve in one direction, a longitudinal rib on said sleeve, and a guide longitudinally movable on said sleeve and having a slit to
30 receive the rib and provided with an integral guide-arm.

3. A sewing-machine attachment consisting of a vertical supporting-bar provided with means for its attachment to the presser-foot
35 bar of a sewing-machine, a supporting-arm extending at right angles to said bar and secured thereto at one end, a sleeve on said arm,

stops on said sleeve, a spring to actuate the sleeve, a rib on the sleeve, a tube provided with a slit for the passage of the rib, a ring
40 embracing and secured to said tube, an arm integral with said ring, a foot formed on the lower end of said arm, and a set-screw to secure the guide in its adjusted position on the sleeve.

4. A sewing-machine attachment consisting of a vertical supporting-bar, a ring formed integral with the upper end of said bar and extending laterally therefrom, a set-screw to se-
45 cure the ring to the presser-foot bar of a sewing-machine, a supporting-arm secured at one end to said bar and extending at right angles thereto, a sleeve on said arm formed with a slot and having portions at one end forming
50 stops to engage the edges of the bar and limit the movement of the sleeve, a spring secured to the side of said bar and engaging said slot in the sleeve, a rib extending longitudinally of said sleeve, a screw engaging an opening
55 in the end of the arm to hold the sleeve thereon, a tube having a slit for the rib and a notch, a ring embracing and secured to the tube, a guide-arm formed integral with said ring and curved laterally downward, a foot
60 on the lower end of said guide-arm having a projecting heel, and a set-screw to hold the tube from moving longitudinally on the sleeve.

In testimony whereof I affix my signature in presence of two witnesses.

AUGUST CRAWFORD.

Witnesses:

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