

No. 767,301.

PATENTED AUG. 9, 1904.

V. MALIZAN.
SEWING MACHINE GUIDE.
APPLICATION FILED OCT. 28, 1903.

NO MODEL.

Fig. 1.

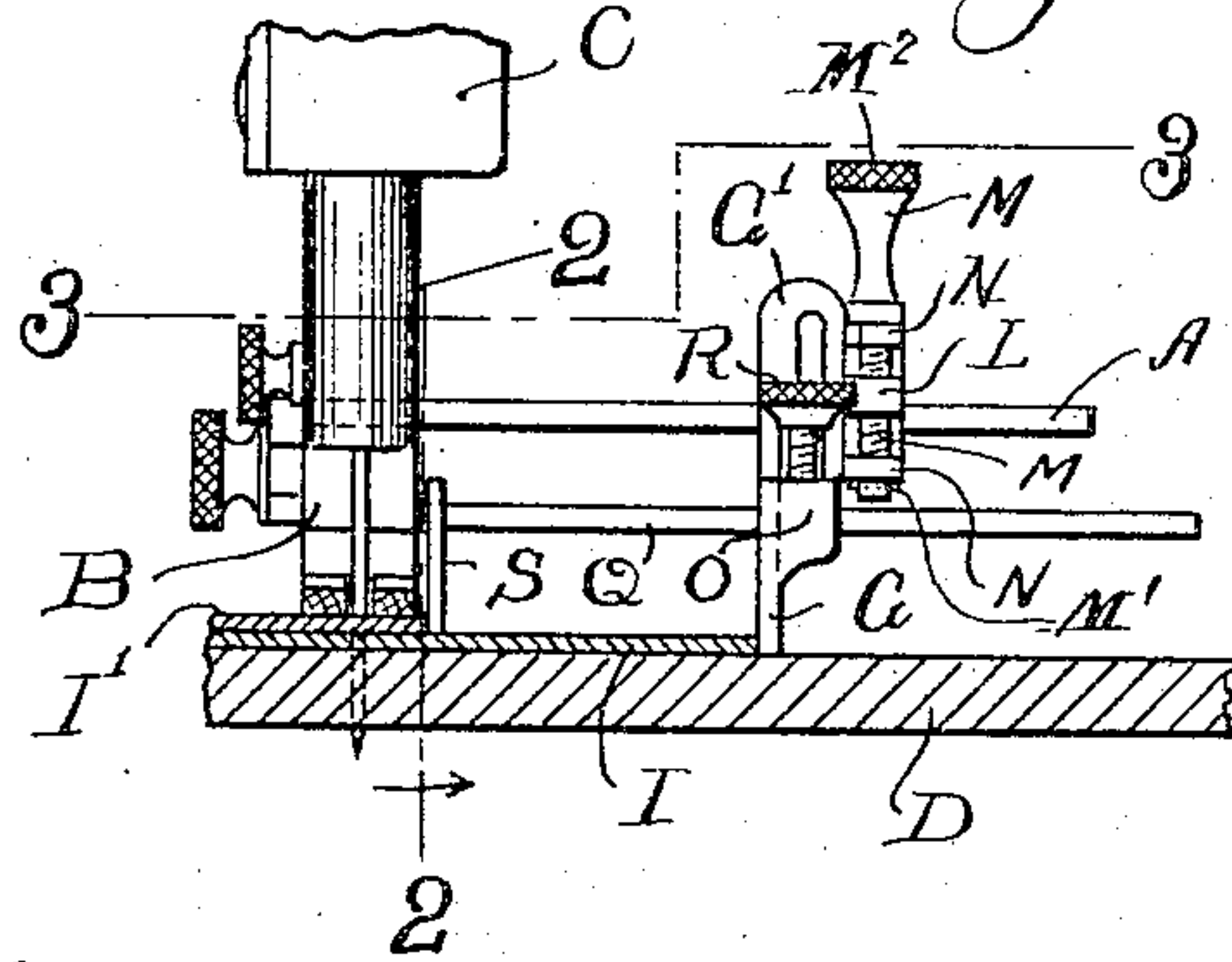


Fig. 2.

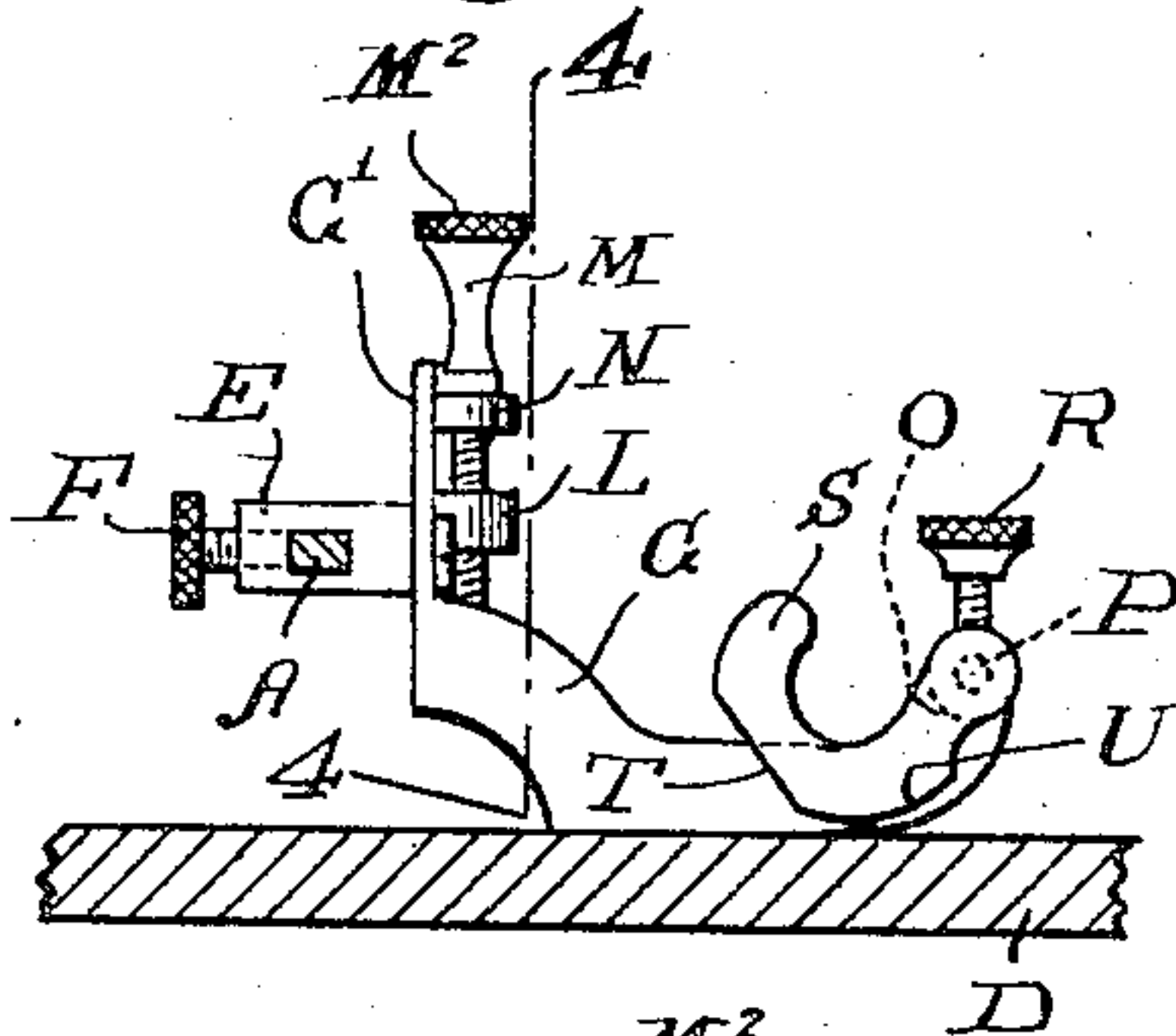


Fig. 3.

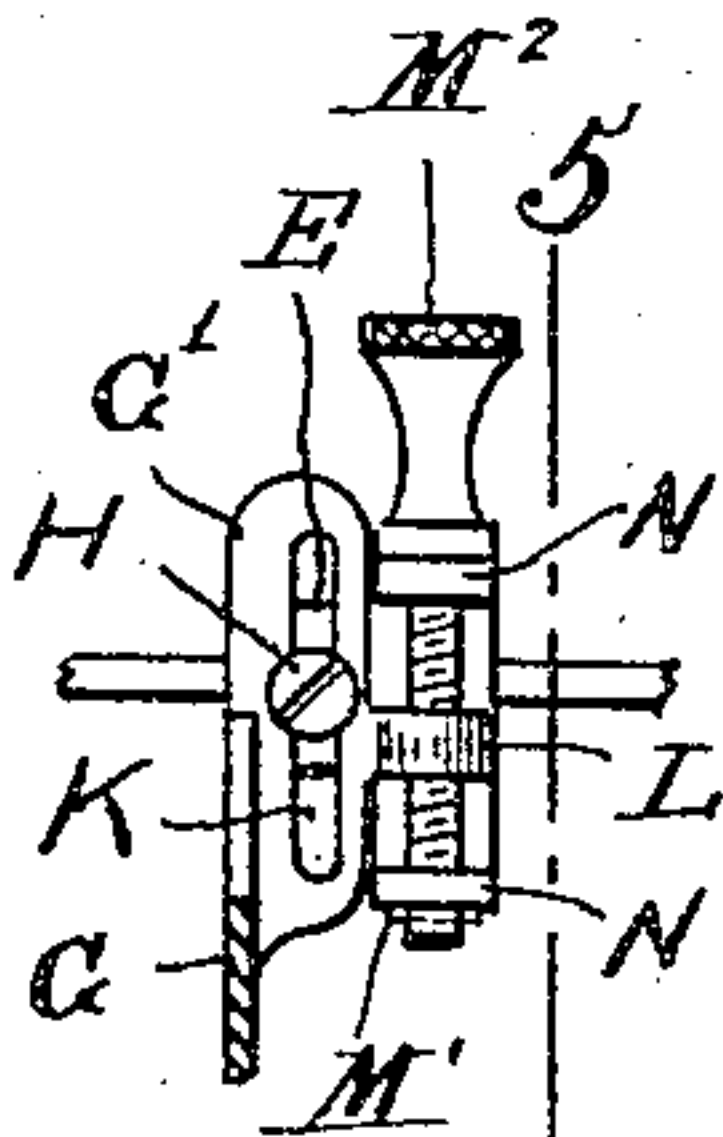
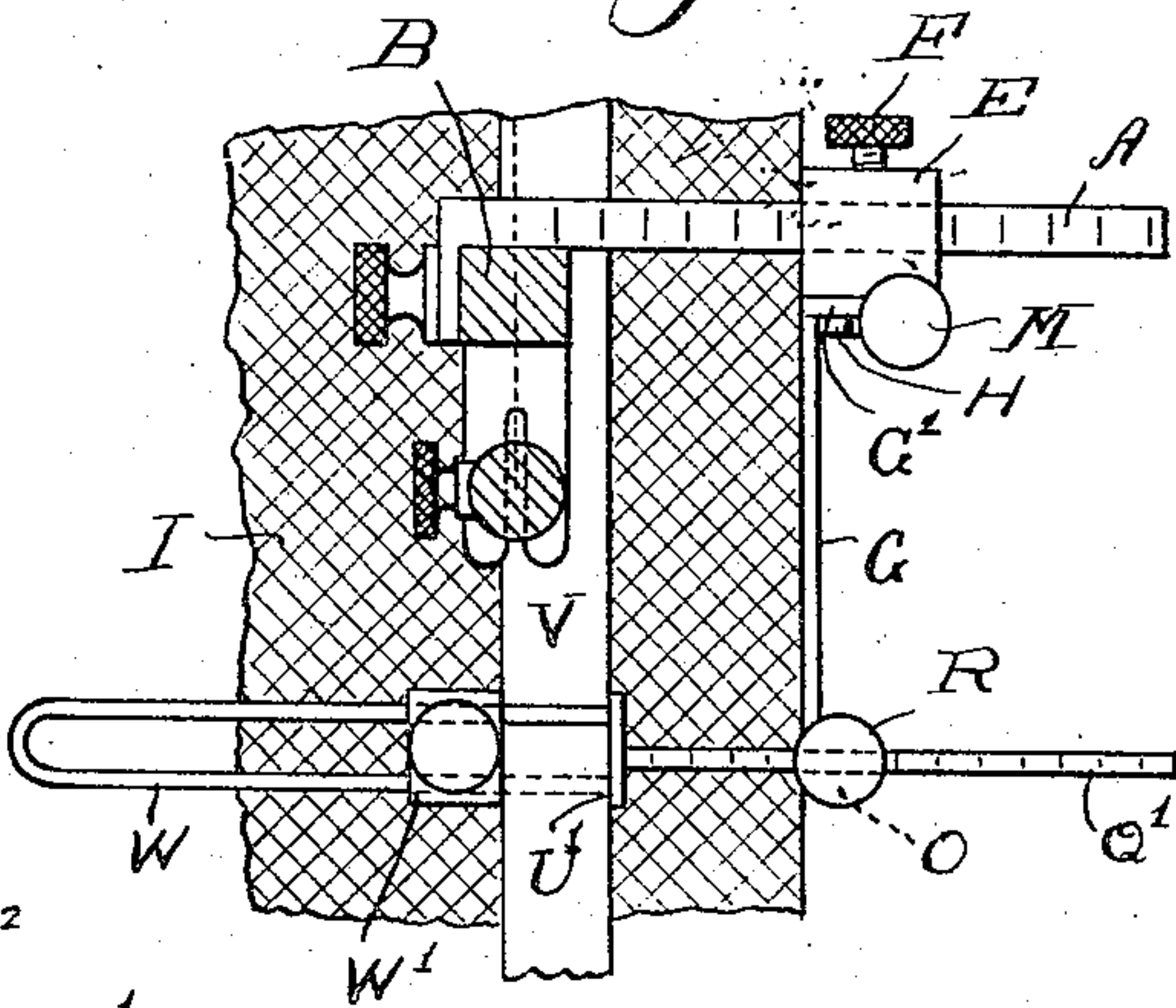


Fig. 4.

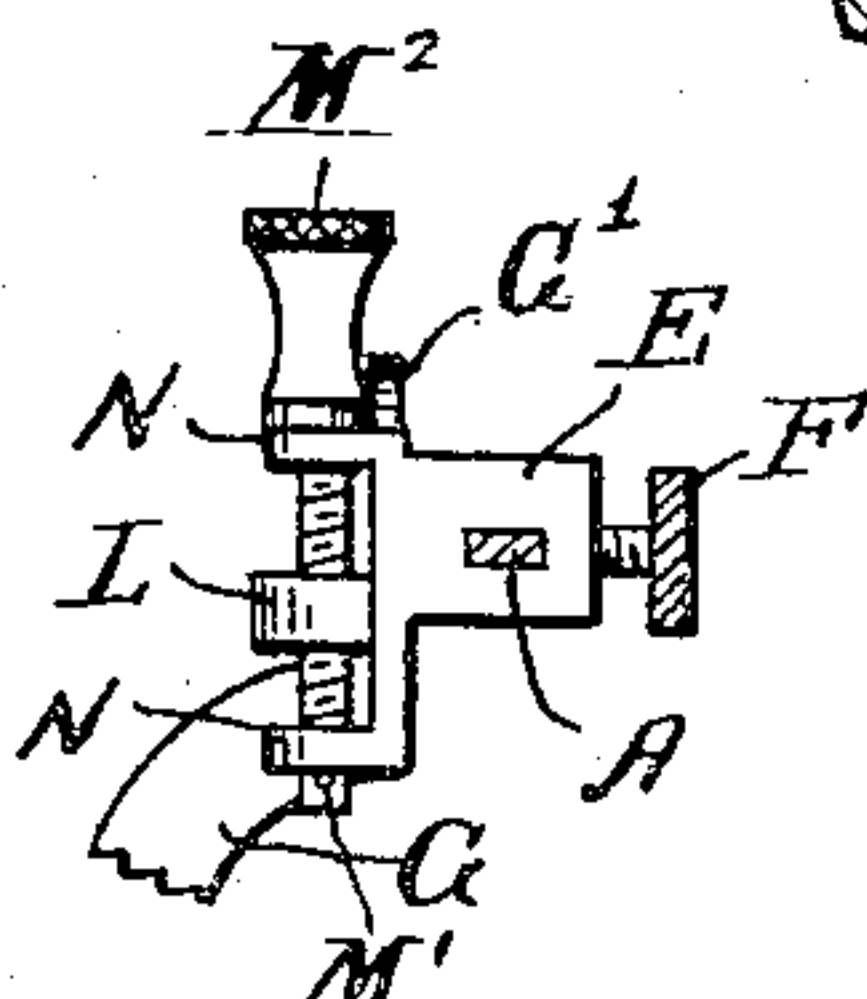
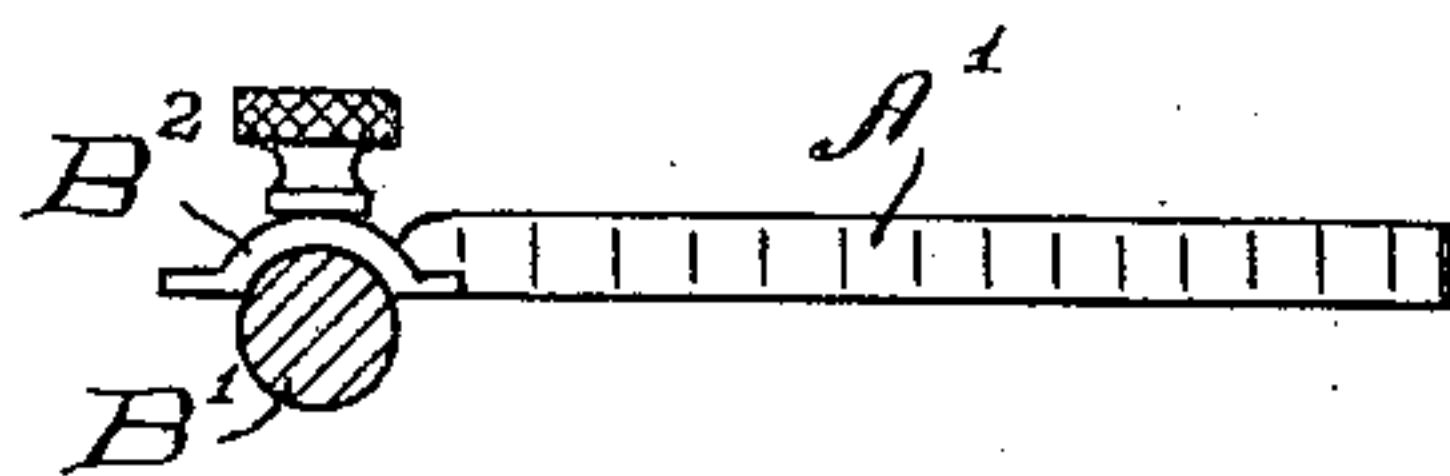


Fig. 5.

Fig. 6.



Witnesses:

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UNITED STATES PATENT OFFICE.

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SEWING-MACHINE GUIDE.

SPECIFICATION forming part of Letters Patent No. 767,301, dated August 9, 1904.

Application filed October 28, 1903. Serial No. 178,876. (No model.)

To all whom it may concern:

Be it known that I, VICTOR MALIZAN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sewing-Machine Attachments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to a novel construction in a sewing-machine attachment, the object being to provide a simple and efficient device for guiding the fabric relatively to the needle to enable lines of stitching to be made parallel with the edge of the fabric for sewing one piece of fabric upon the other, so that their edges are parallel, and for sewing tape or binding to the fabric parallel with the edge thereof; and it consists in the features of construction and combinations of parts hereinafter fully described and claimed.

In the accompanying drawings, illustrating my invention, Figure 1 is a view showing the working table or plate of a sewing-machine in section and the needle-bar and presser-foot with my attachment secured in place in side elevation. Fig. 2 is a sectional view on the line 2 2 of Fig. 1, showing my attachment mainly in front elevation. Fig. 3 is a plan section on the line 3 3 of Fig. 1, showing my attachment in top plan view. Fig. 4 is a detail sectional view of my attachment on the line 4 4 of Fig. 2. Fig. 5 is a fragmentary section on the line 5 5 of Fig. 4. Fig. 6 is a detail plan section of a cylindrical presser-foot, showing a modified form of attaching-bar to fit the same.

Referring now to said drawings, A is an attaching-bar which is adapted to be secured in a horizontal position to the presser-foot bar B of a sewing-machine C and above the working plate or table of the machine D. Said bar A extends to the right or under the arm of the machine, is rectangular in cross-section, and carries the adjustable block or head E, which may be secured in the desired position on said bar by means of the set-screw F. The guide-plate G is secured to said head E by means of the screw H and extends toward the

front of the machine and at a right angle to said bar A. Said plate G is of a somewhat U shape, as shown in Fig. 2, having a straight edge on its lower side adapted to rest on the plate D of the machine when the device is in operative position and act as a guide to the edge of the fabric I as the same passes under the needle J.

As the presser-foot bar B is not definite in its vertical position, depending on the thickness of material passing under same, and as it is desirable that said guide-plate G shall rest on said plate D when in position to operate, I provide said plate G with vertical adjustment as follows: Said plate G is provided with a palm or bracket G', which is adapted to be secured to said block E and is provided with a vertical slot K, through which the shank of said screw H passes. A lug L is also provided on said palm, having a screw-threaded opening adapted to receive the vertical adjusting-screw M. Said screw M passes freely through the two lugs N, formed on said head E, and is held against vertical movement relative to said block by means of the pin M', which passes through the lower end of said screw M and the ends of which engage the lower face of the lowermost lug N and the head M² of said screw M, the lower face of which engages the upper face of the uppermost lug N, whereby when said screw M is rotated said plate G will be adjusted vertically and held securely in its position. The free end of said plate G is provided with a boss O, having a central horizontal opening P, adapted to receive the rod Q and hold same parallel with said bar A, said rod Q being adjustable horizontally and adapted to be held in its desired position by means of the set-screw R. A U-shaped plate S is rigidly mounted at one end on one end of said rod Q, having a portion of its outline straight, as at T, and a portion curved and eccentric to said rod Q, as at U, thus providing a guide-plate whose lower edge may be adjusted vertically in relation to the height of said bar A by rotating said rod Q in its support. In the position illustrated in Figs. 1 and 2 said eccentric portion U is shown as being in closest proximity to said plate D and adapted to allow the fabric I to pass beneath same and

at the same time to act as a guide for the upper layer of fabric I' which is being sewed to said fabric I with its outer edge parallel with the edge of said fabric I. In some instances
 5 it is desired to stitch so close to the edge of the fabric that said plate G cannot be adjusted in position to guide same by reason of coming in contact with the needle-bar or presser-foot. In this instance said plate U is rotated until
 10 the straight edge T is in contact with said plate D, and it then acts as the guide in the place of said guide-plate G, and it can obviously be adjusted to any desired closeness to the line of stitching.

15 In Fig. 3 I have illustrated a modified form of auxiliary guide which is adapted to be used in the place of said guide U when it is desired to sew a tape or braid V to a fabric parallel with the edge of same. In this instance the
 20 rod Q and plate U are replaced by the rod Q' and plate U', which carries the U-shaped wire loop W rigidly mounted thereon and extending horizontally from said plate U' and adapted to be adjusted just above the plate D to allow the fabric I to pass beneath same. The side
 25 wires of said loop W extend parallel with each other, and an adjustable block or guide-head W' is secured on same, between one end of which and said plate U' the tape V is adapted to be guided. As illustrated in Fig. 3, the tape
 30 to be guided is passed over the first bar of said loop W, through said loop, and beneath the second bar of same, thus guiding it definitely between said head W' and plate U'.

35 In Fig. 6 I have illustrated a bar A', adapted to be secured to a round presser-foot bar B' and provided with a bearing-plate B², adapted to partly embrace said bar B', so that said bar A' will be rigidly held in a horizontal position when secured in place. Said bars A and
 40 A' and rods Q and Q' may be provided with any convenient markings or scales, so that in adjusting the device for parallel rows of stitching or similar work the various guides
 45 can be readily set to the desired positions.

I claim as my invention—

1. An attachment for sewing-machines, comprising a horizontal bar adapted to be secured to the presser-foot bar, a block adjustable horizontally on said horizontal bar, a
 50 guide-plate secured to said block, adapted to guide the edge of the fabric as it passes through the machine, means for adjusting said guide-plate vertically in relation to said horizontal bar and an auxiliary guide adjustably
 55 mounted in the free end of said guide-plate.

2. An attachment for sewing-machines comprising a horizontal bar adapted to be rigidly attached to the presser-foot bar, a block carried by said horizontal bar and adjustable
 60 horizontally on same, a guide-plate carried by said block adapted to guide the edge of the fabric as it passes through the machine, means for adjusting said plate vertically, in relation to said block, comprising a lug on said plate
 65 provided with a screw-threaded opening, a screw rotatably mounted on said block and adapted to engage with said screw-threaded opening, a screw mounted in said block and engaging said plate, a vertical slot in said plate
 70 through which the shank of said screw is adapted to pass freely, and an auxiliary guide comprising a rod passing freely through an opening in the free end of said guide-plate and parallel with said horizontal bar, and adapted
 75 to be secured by means of a set-screw mounted in said guide-plate and engaging said rod, and a U-shaped plate rigidly secured at one end to one end of said rod and at a right angle thereto, and having its periphery eccentric to said rod
 80 whereby when said rod is rotated said periphery will be adjusted vertically in relation to the bed of the machine.

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

VICTOR MALIZAN.

Witnesses:

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 E. F. WILSON.