

No. 835,491.

PATENTED NOV. 13, 1906.

L. B. BAGLEY.  
EDGE GUIDE FOR SEWING MACHINES.  
APPLICATION FILED NOV. 18, 1905.

Fig. 1.

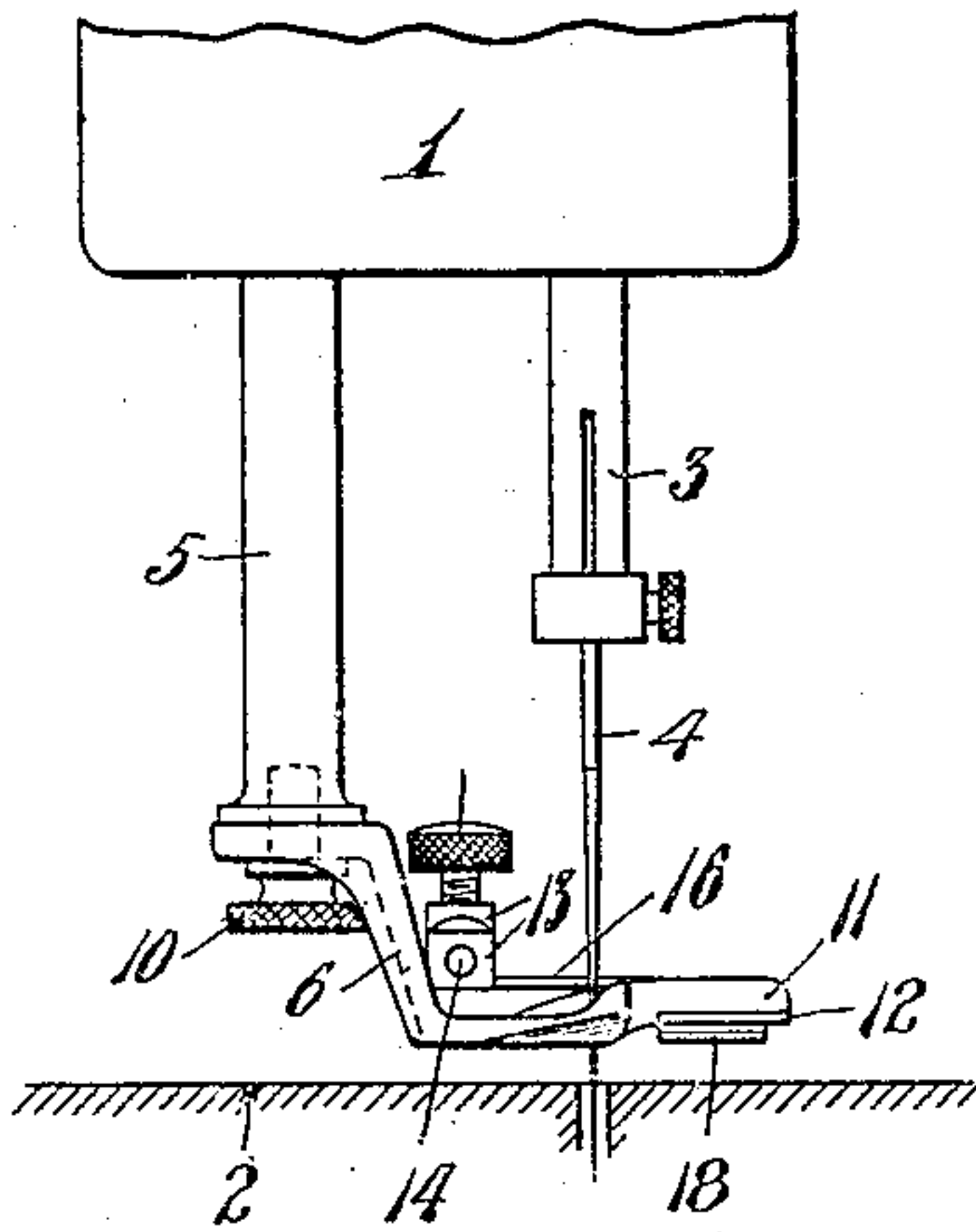


Fig. 2.

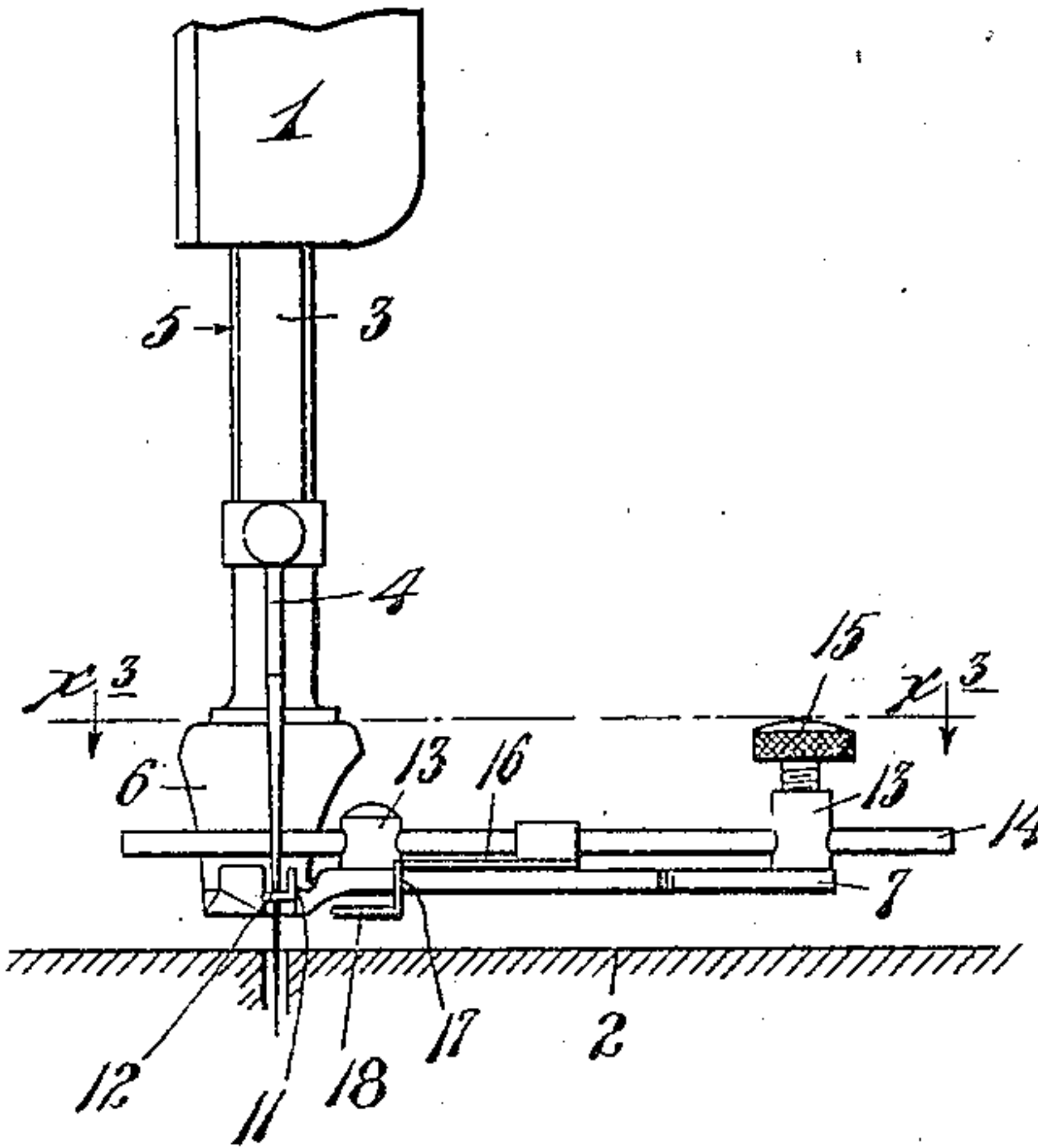


Fig. 4.

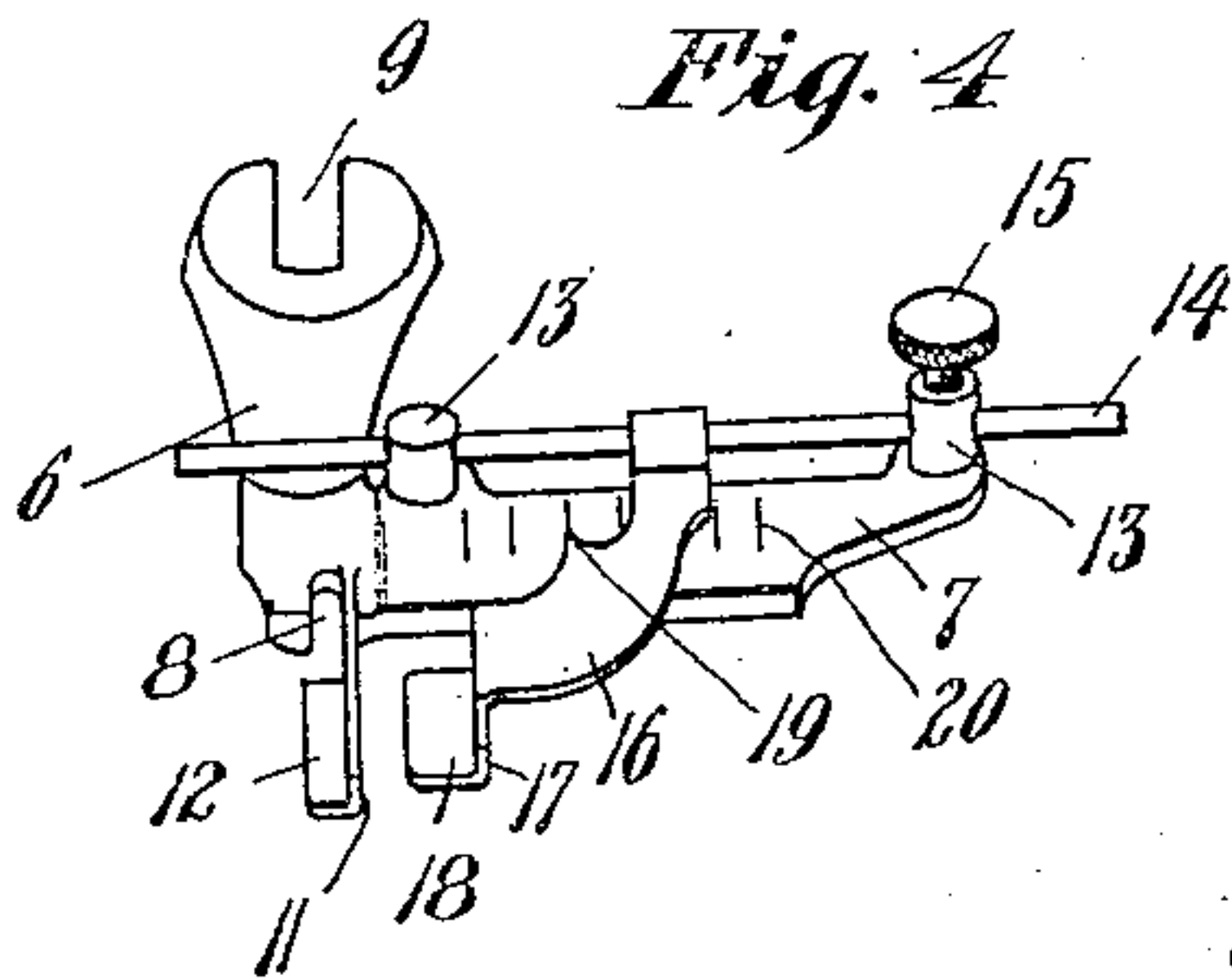


Fig. 3.

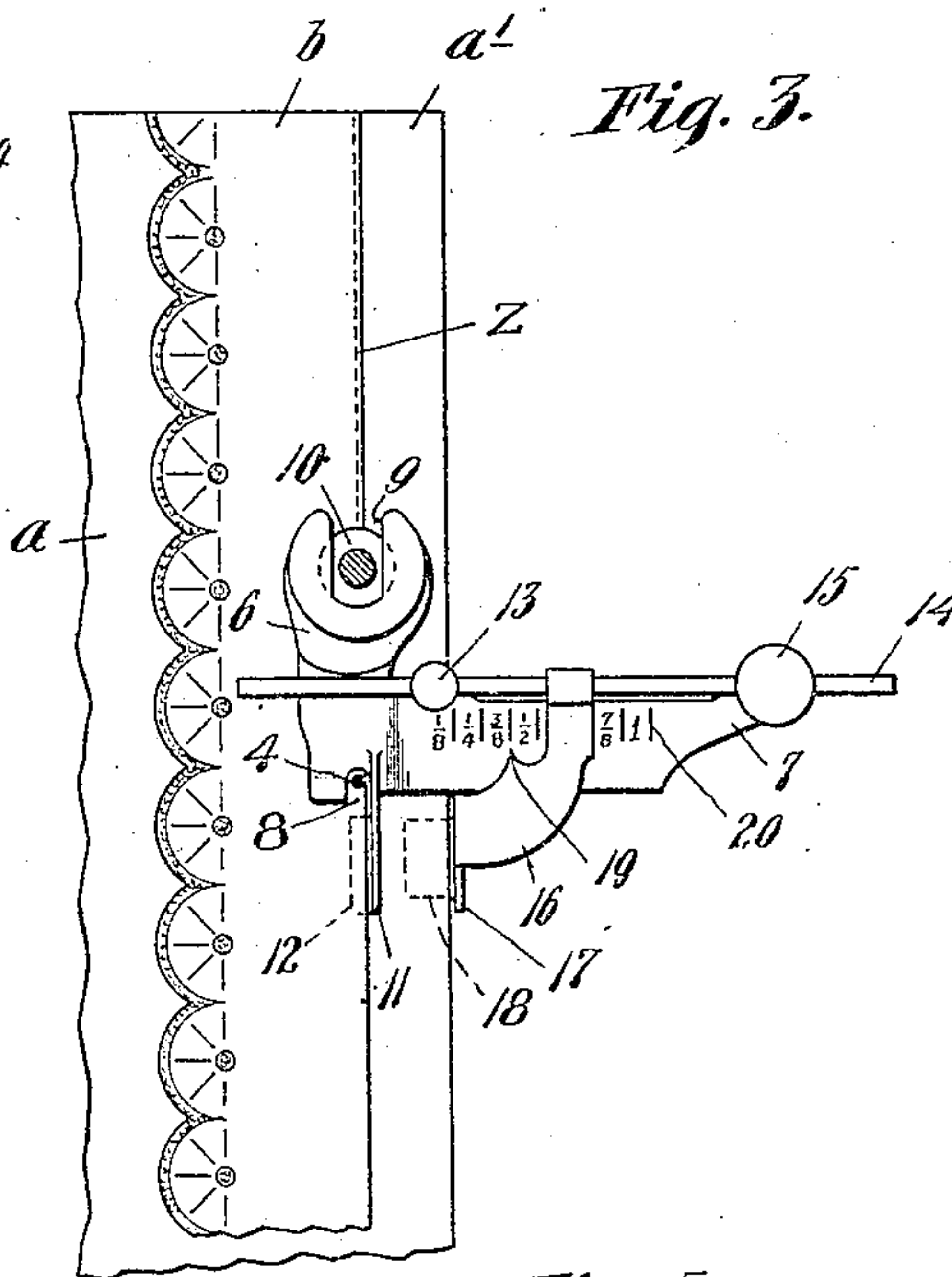


Fig. 6.

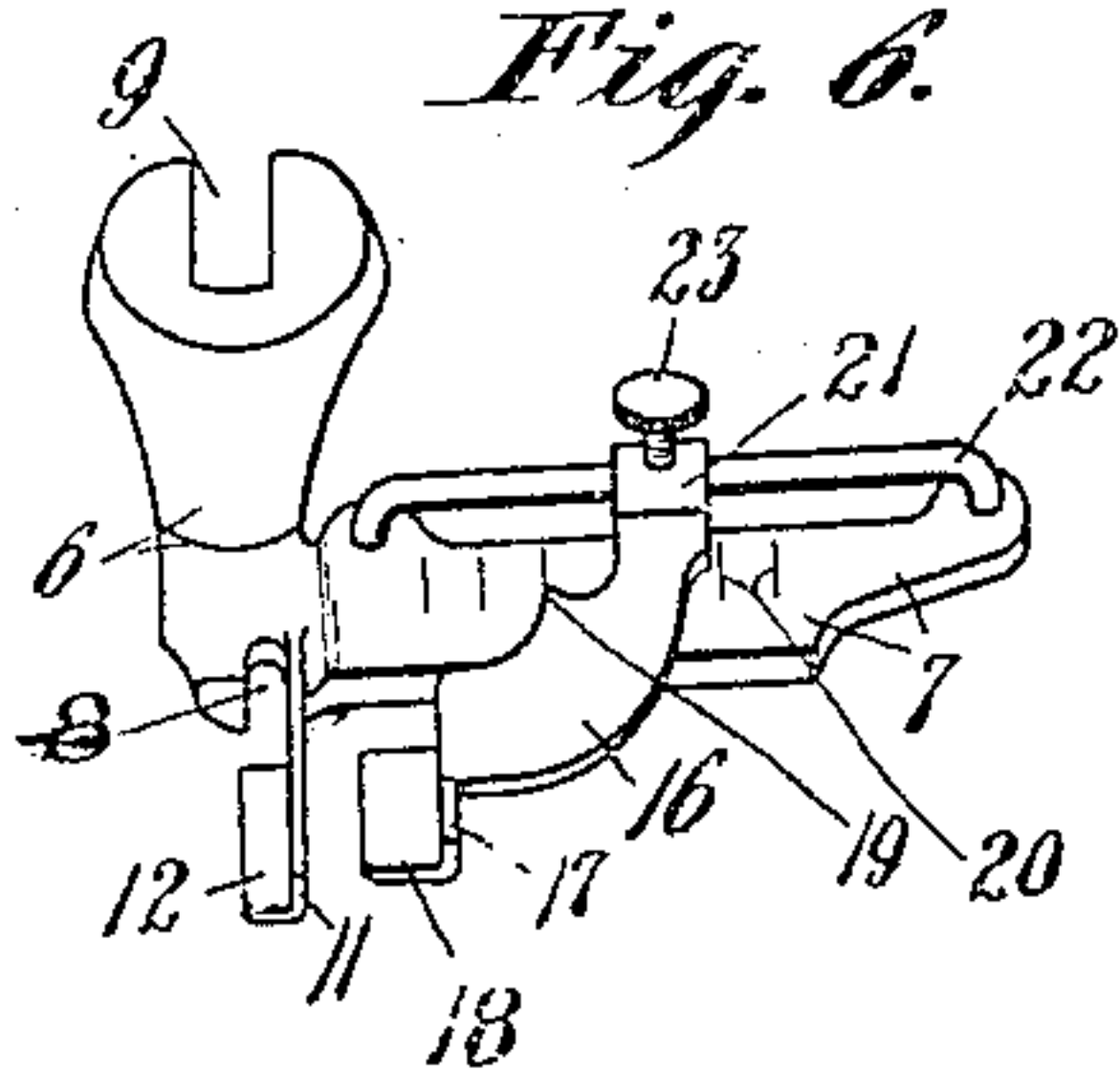
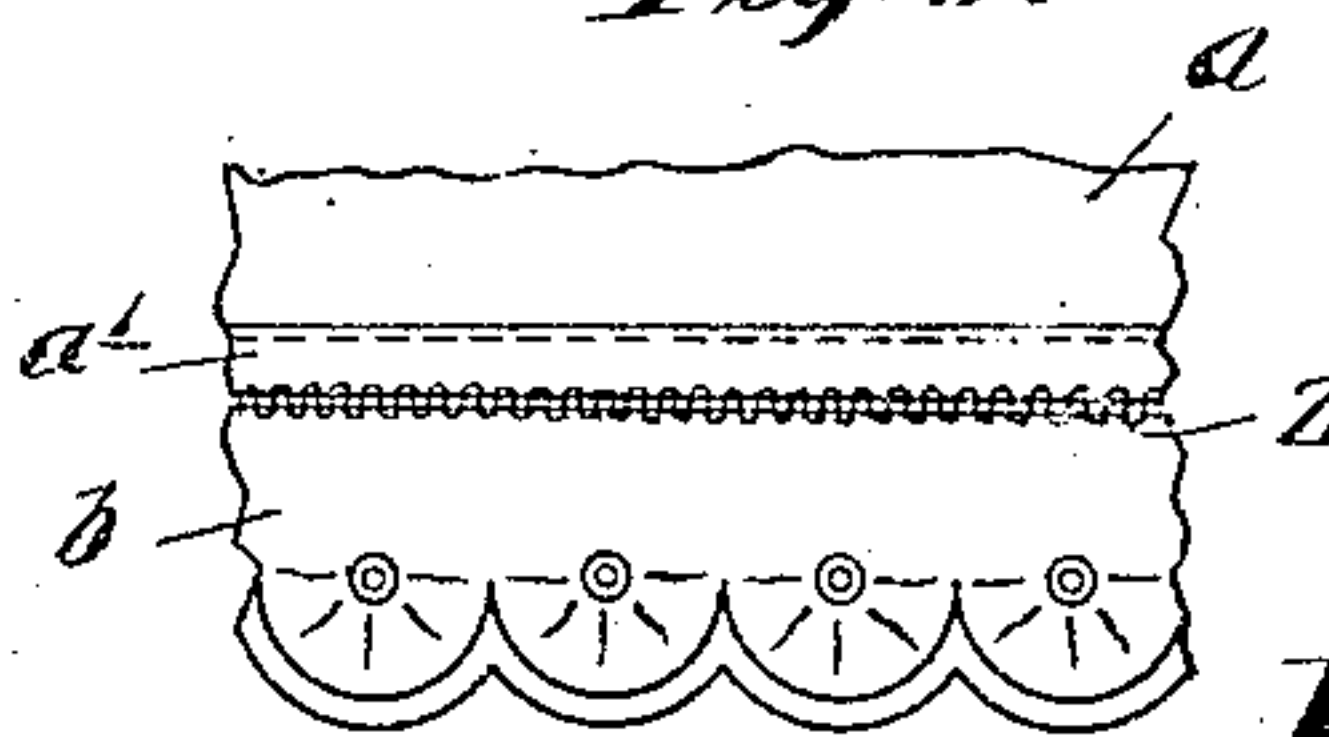


Fig. 5.



Witnesses.

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# UNITED STATES PATENT OFFICE.

LAURA B. BAGLEY, OF MINNEAPOLIS, MINNESOTA.

## EDGE-GUIDE FOR SEWING-MACHINES.

No. 835,491.

Specification of Letters Patent.

Patented Nov. 13, 1906.

Application filed November 18, 1905. Serial No. 287,982.

*To all whom it may concern:*

Be it known that I, LAURA B. BAGLEY, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Edge-Guides for Sewing-Machines; 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 has for its object to provide an improved attachment for sewing-machines by the use of which lace may be sewed to a garment or piece of cloth rapidly and in such manner that it will have the appearance of having been sewed thereto by hand.

To the above ends the invention consists of the novel devices and combinations of devices hereinafter described, and defined in the claim.

The invention is illustrated in the accompanying drawings, wherein like characters indicate like parts throughout the several views.

Figures 1 and 2 are views, respectively, in side and front elevation, some parts being sectioned and some parts being broken away, showing my improved attachment applied to the foot of a sewing-machine. Fig. 3 is a horizontal section taken on the line  $x^3 x^3$  of Fig. 2, showing the attachment in action to guide a strip of cloth and a piece of lace. Fig. 4 is a perspective view of the attachment removed from working position. Fig. 5 is a plan view showing a piece of lace sewed to a strip of cloth by means of the attachment, and Fig. 6 is a perspective view showing a slightly-modified form of the attachment.

The numeral 1 indicates the head, the numeral 2 the bed-plate, the numeral 3 the needle-bar, the numeral 4 the needle carried by said bar 3, and the numeral 5 the foot-bar of a sewing-machine of standard construction.

The character *a* indicates a piece of cloth, such as a piece of linen or muslin, and the character *b* indicates a piece of lace.

The improved attachment comprises a foot 6, having a laterally-extended body portion 7, a needle-passage 8, and a bifurcated head 9, which latter embraces the head of a thumb-screw 10 and is rigidly but detachably secured to the lower end of the foot-bar 5 by the head of said thumb-screw.

In line with one side of the needle-passage 8 the foot 6 is provided with a forwardly-extended guide-flange 11, which has an under-turned or horizontally-extended portion 12. This guide-flange 11 is so positioned that when the edge of the lace *b* runs against the same it will so guide the lace that the stitches *z* will catch only in the last or outermost meshes of said lace.

On the laterally-extended portion 7 of the foot 6 is a pair of vertical guide posts or lugs 13, through which works a sliding rod 14. A set-screw 15 in one of the lugs 13 securely holds the rod 14 wherever set. Secured to the rod 14 is a guide-arm 16, the free end of which is turned vertically downward at 17 to afford a guide-surface and is then bent horizontally at 18 to support the edge of the cloth that runs against the said guide-surface 17.

Advisably the adjustable guide-arm 16 is provided with a pointer 19, that works over graduations 20 on the foot extension 7 to indicate the distance that the guide-surface 17 is set from the guide surface or flange 11.

In the construction illustrated in Fig. 6 the guide-arm 16 has a hub portion 21, that works slidably on a guide-rod 22, the ends of which are turned downward and rigidly secured to the foot extension 7, and the set-screw 23 works through said hub 21 and impinges on said rod 22 to secure said guide-arm 16 in its set position.

By reference particularly to Fig. 2 it will be noted that the horizontal supporting-flange 18 of the adjustable guide 16 stands in a lower plane than the horizontal flange 12 of the fixed guide 11. This arrangement permits the lace *b* to overlie the cloth 2, to which it is to be sewed.

The arrangement of the cloth *a* and lace *b* in the act of sewing the same together is illustrated in Fig. 3, by reference to which it will be seen that the lace is guided by the guide-flange 11 and that its edge is held up by the flange 12, while the cloth strip *a* is guided by the flange or guide-surface 17 and its edge is held up by the horizontal flange 18.

After the lace has been sewed to the cloth strip *a* the lace is turned over or outward from the seam *z*, and the outer portion all of the said cloth strip is folded upon the body portion thereof and may be sewed thereto to form a hem, as shown in Fig. 5.

The device above described, while extremely simple, has in practice been found to

be a great labor-saving device and to make it possible to turn out a high grade of work at a rapid rate of speed.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

5 An attachment of the character described, comprising a foot 6 having means for detachably securing it to the foot-bar of a sewing-machine, and provided with a needle-passage  
10 8 and with a lace-guide 11 extending forward from one side of said needle-passage and having a horizontally-turned supporting-flange 12, and a laterally-adjustable cloth-guide 16

supported by said foot and provided with a vertically-turned guide 17 having a horizontal supporting-flange 18, the said supporting-flange 18 lying in a plane slightly below the plane of said supporting-flange 12, substantially as described. 15

In testimony whereof I affix my signature 20 in presence of two witnesses.

LAURA B. BAGLEY.

Witnesses:

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F. D. MERCHANT.