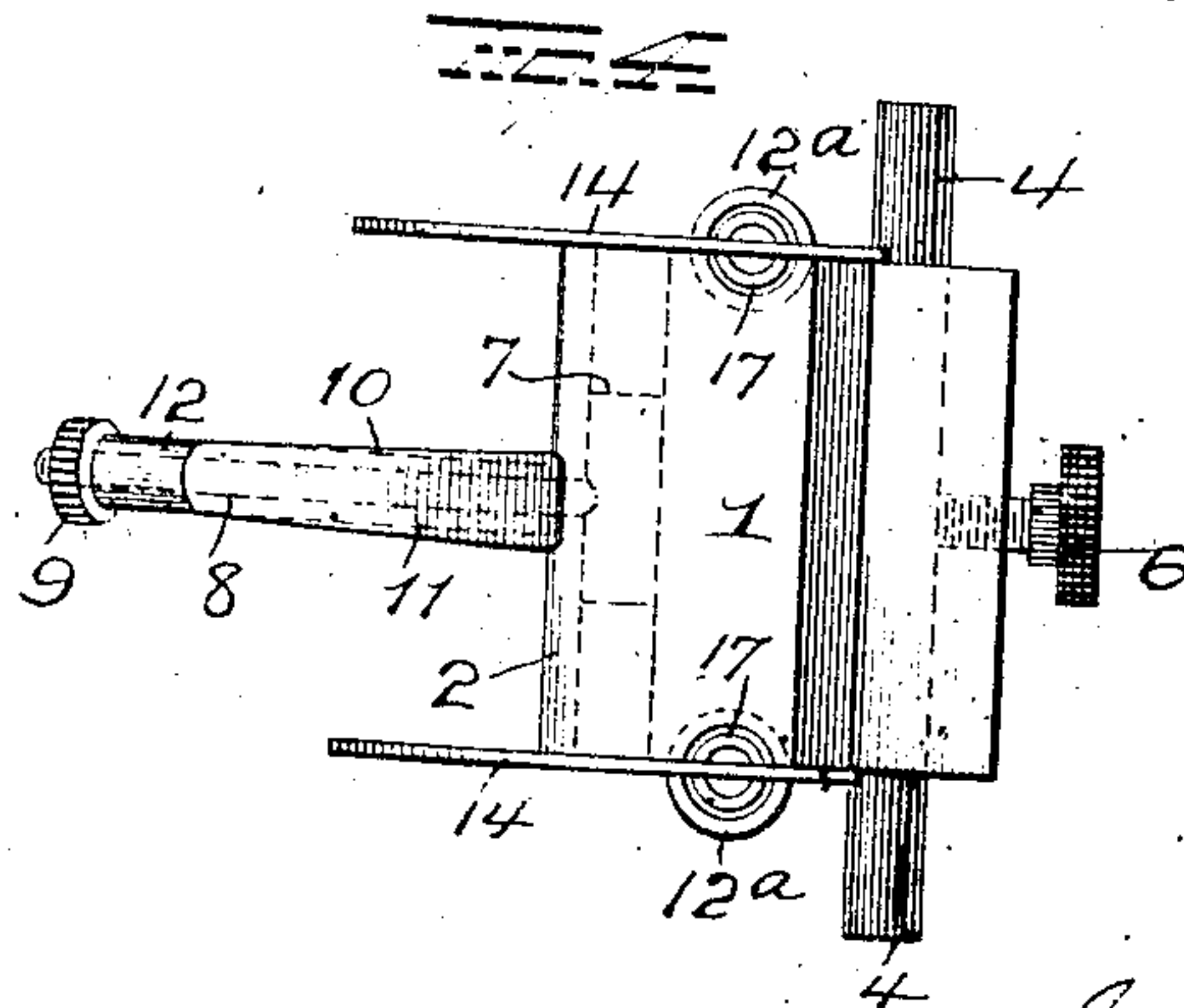
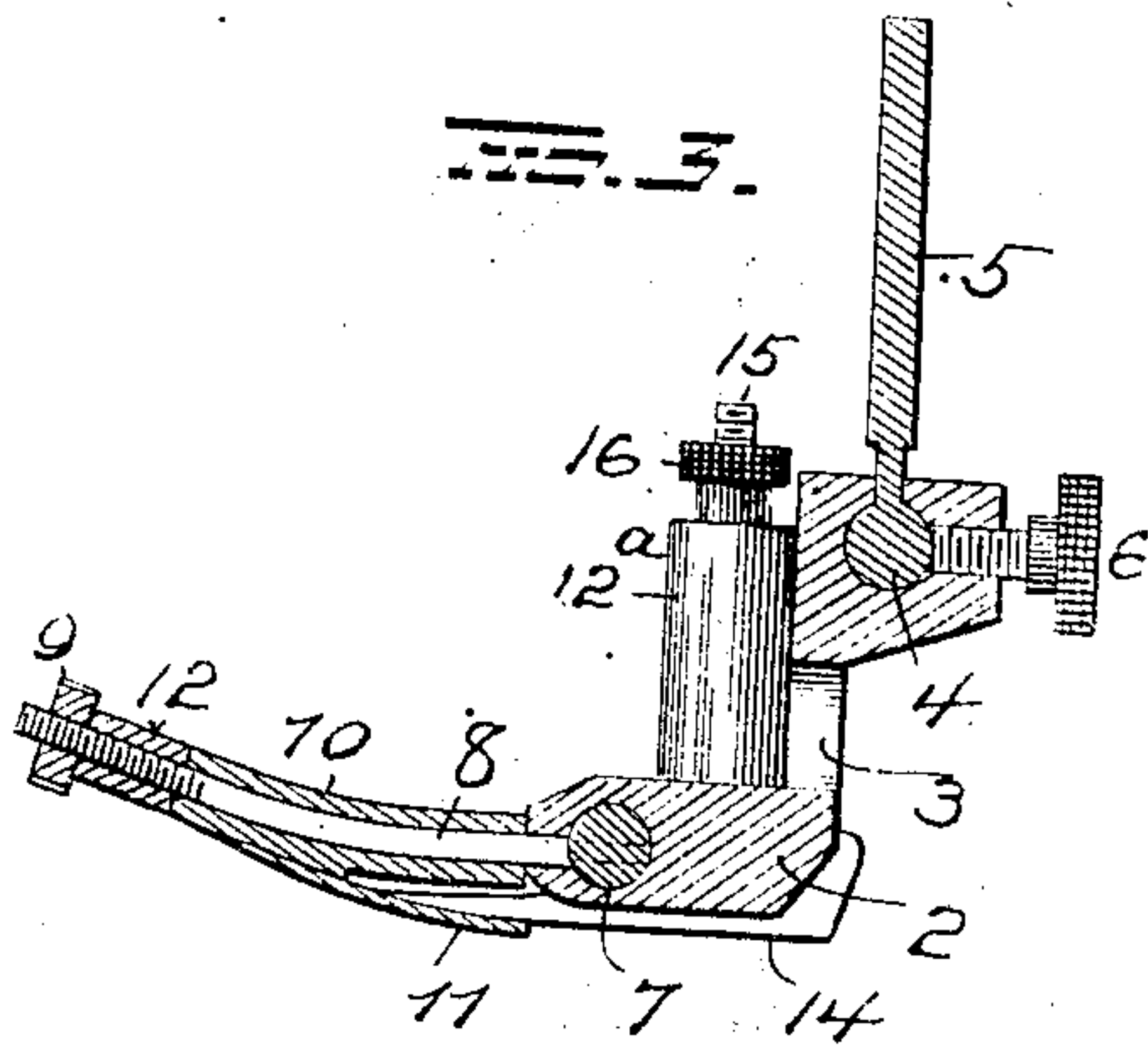
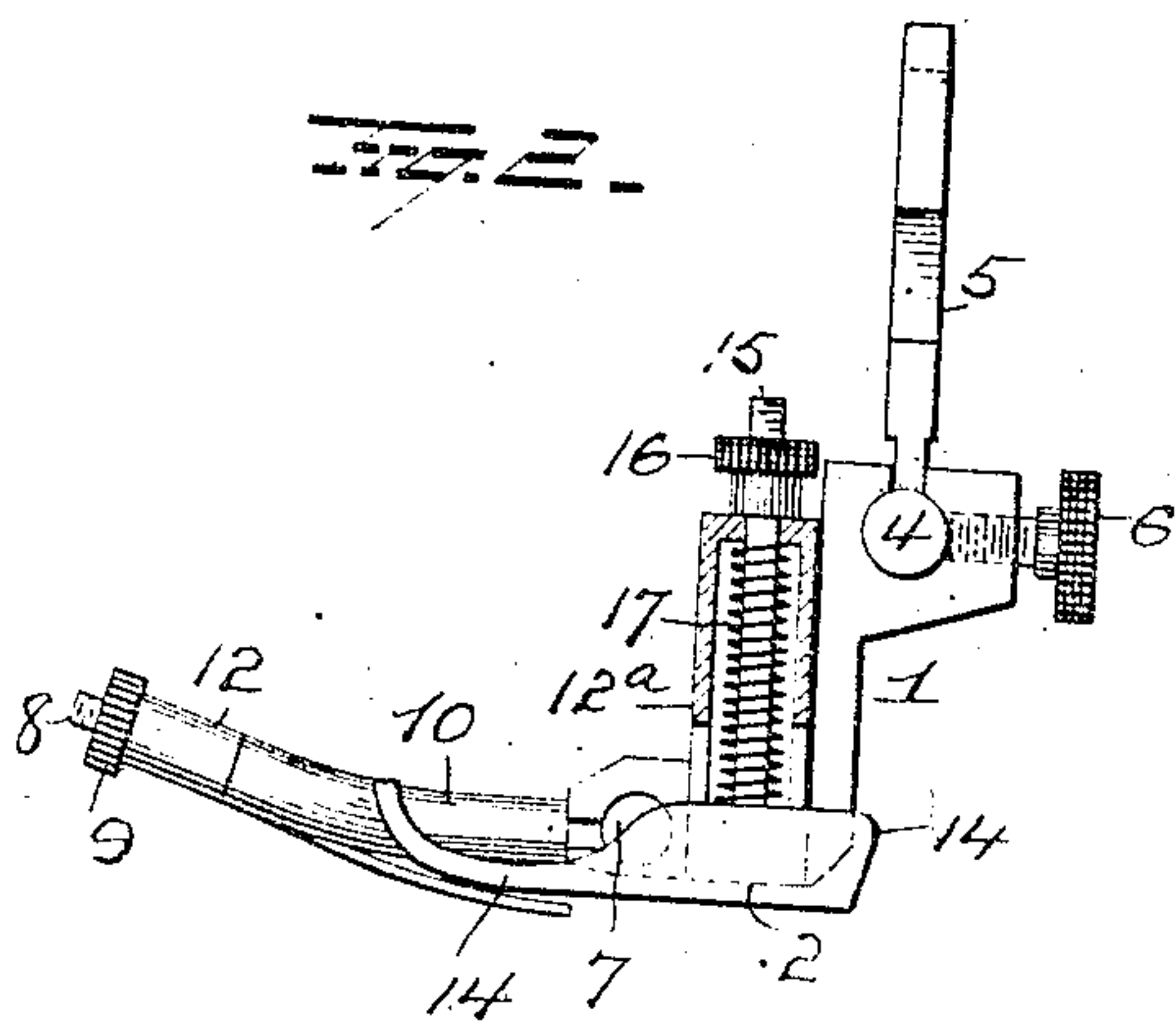
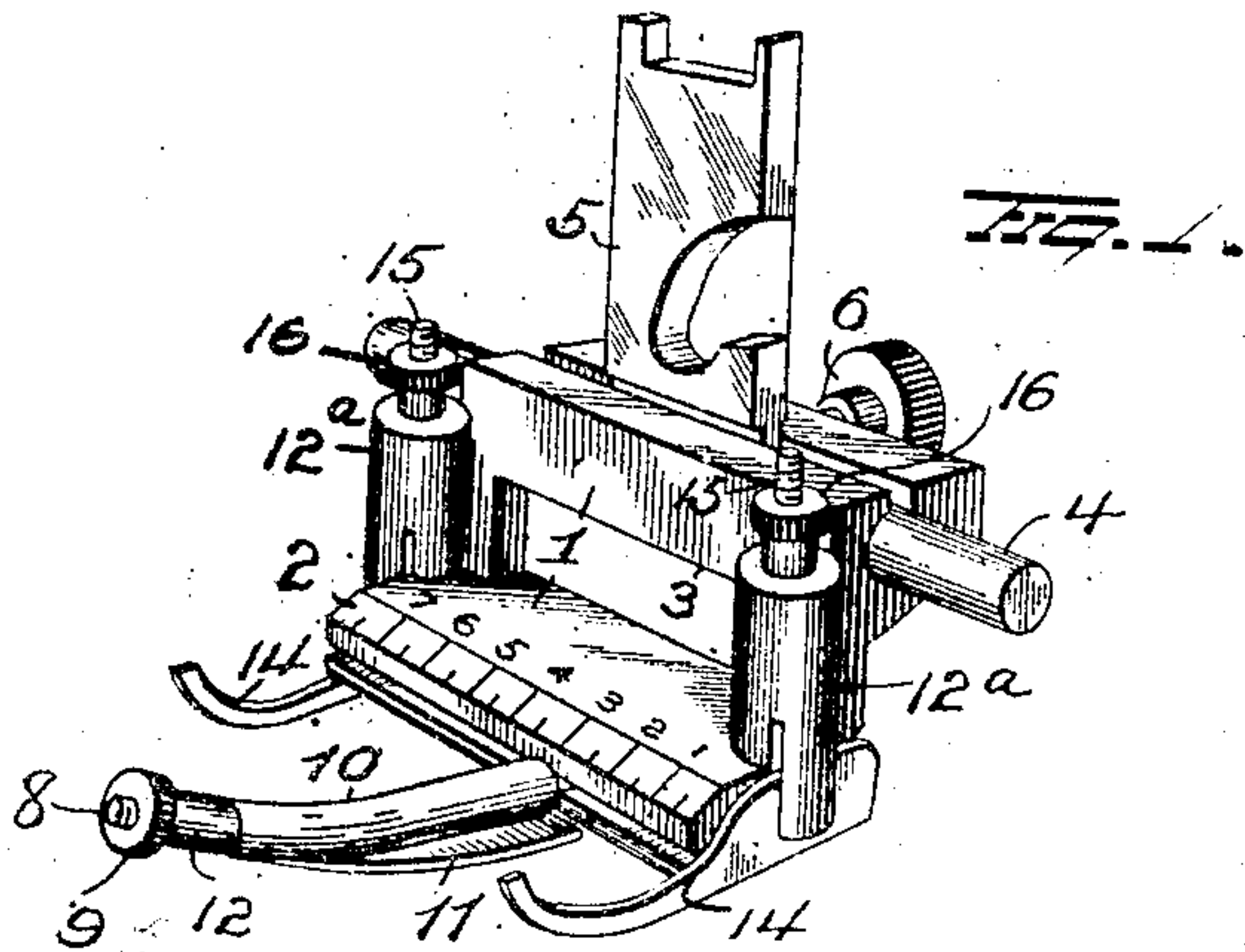


No. 875,577.

PATENTED DEC. 31. 1907

J. HUDSON.  
GUIDE AND PRESSER FOOT FOR SEWING MACHINES.  
APPLICATION FILED AUG. 2, 1906.

2 SHEETS—SHEET 1



WITNESSES  
E. Nottingham  
G. F. Downing

INVENTOR  
J. Hudson  
W. H. A. Seymour  
Attorney

No. 875,577.

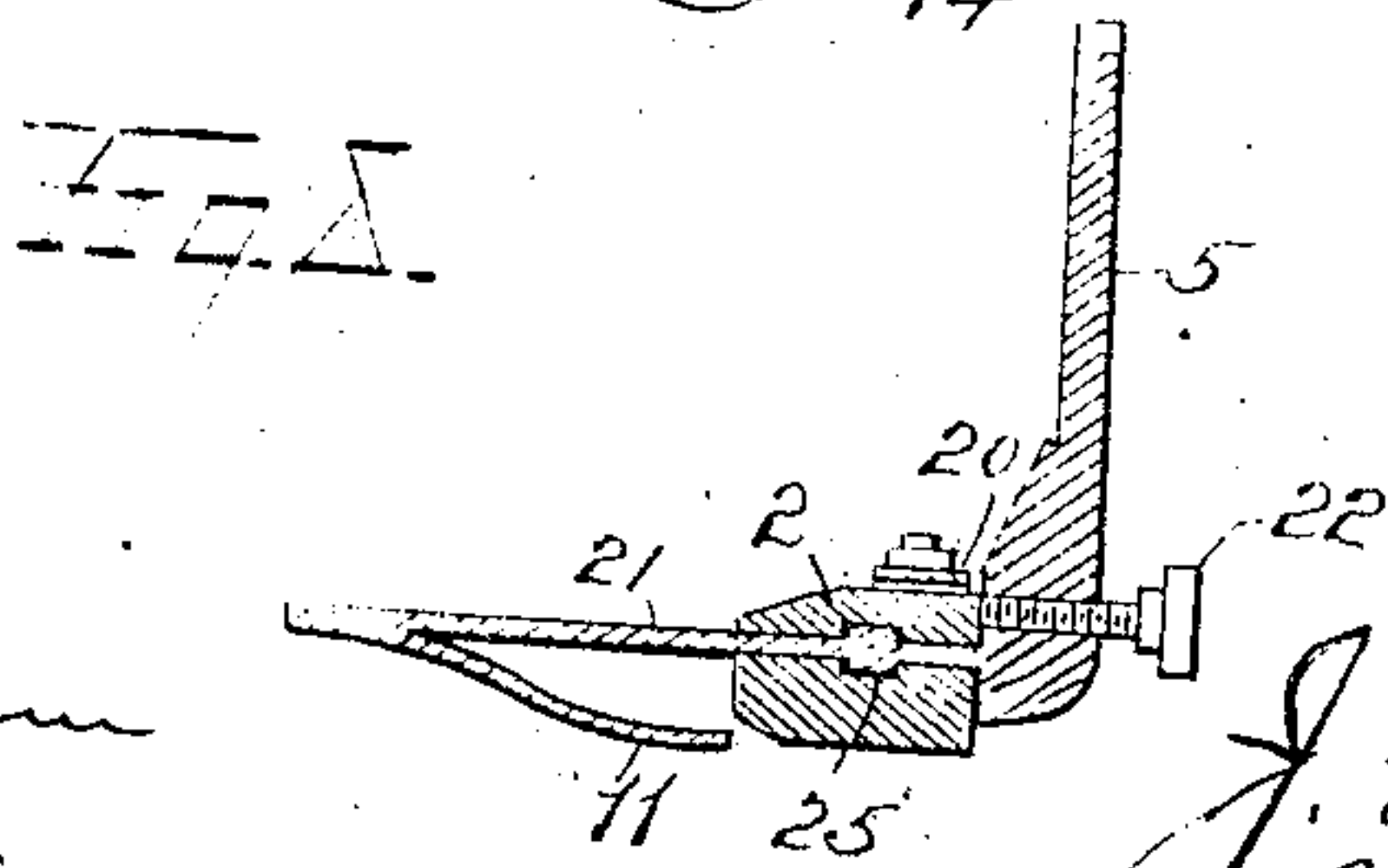
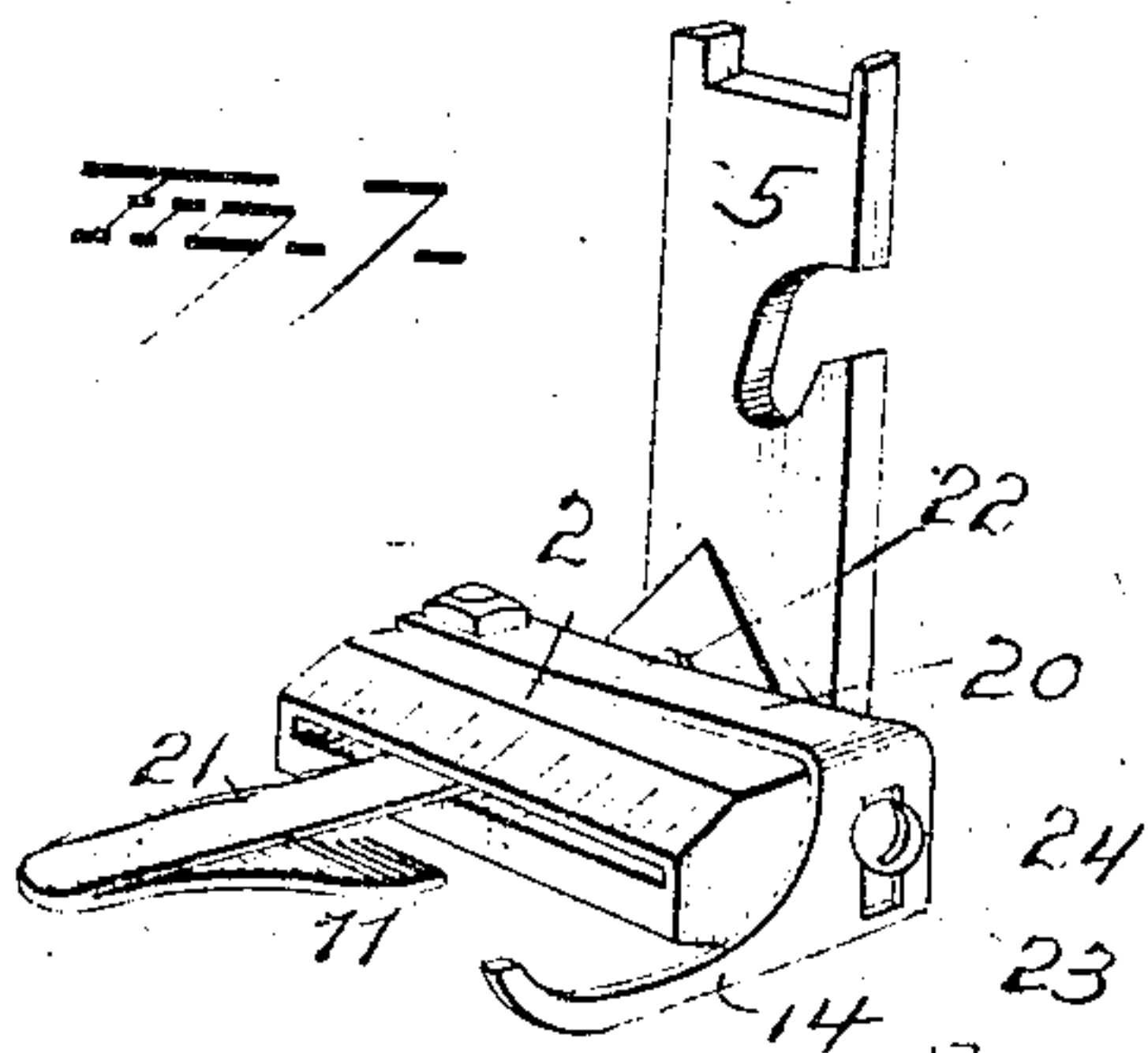
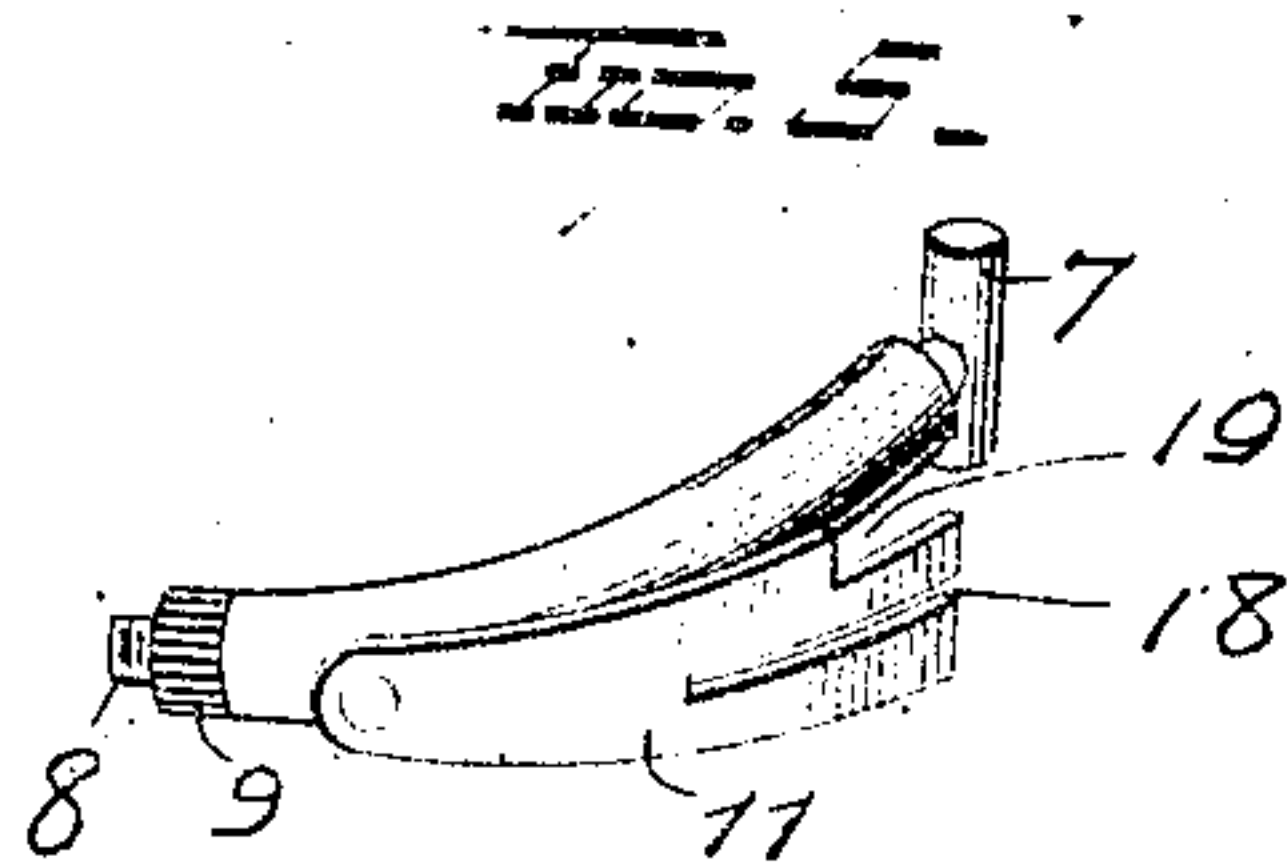
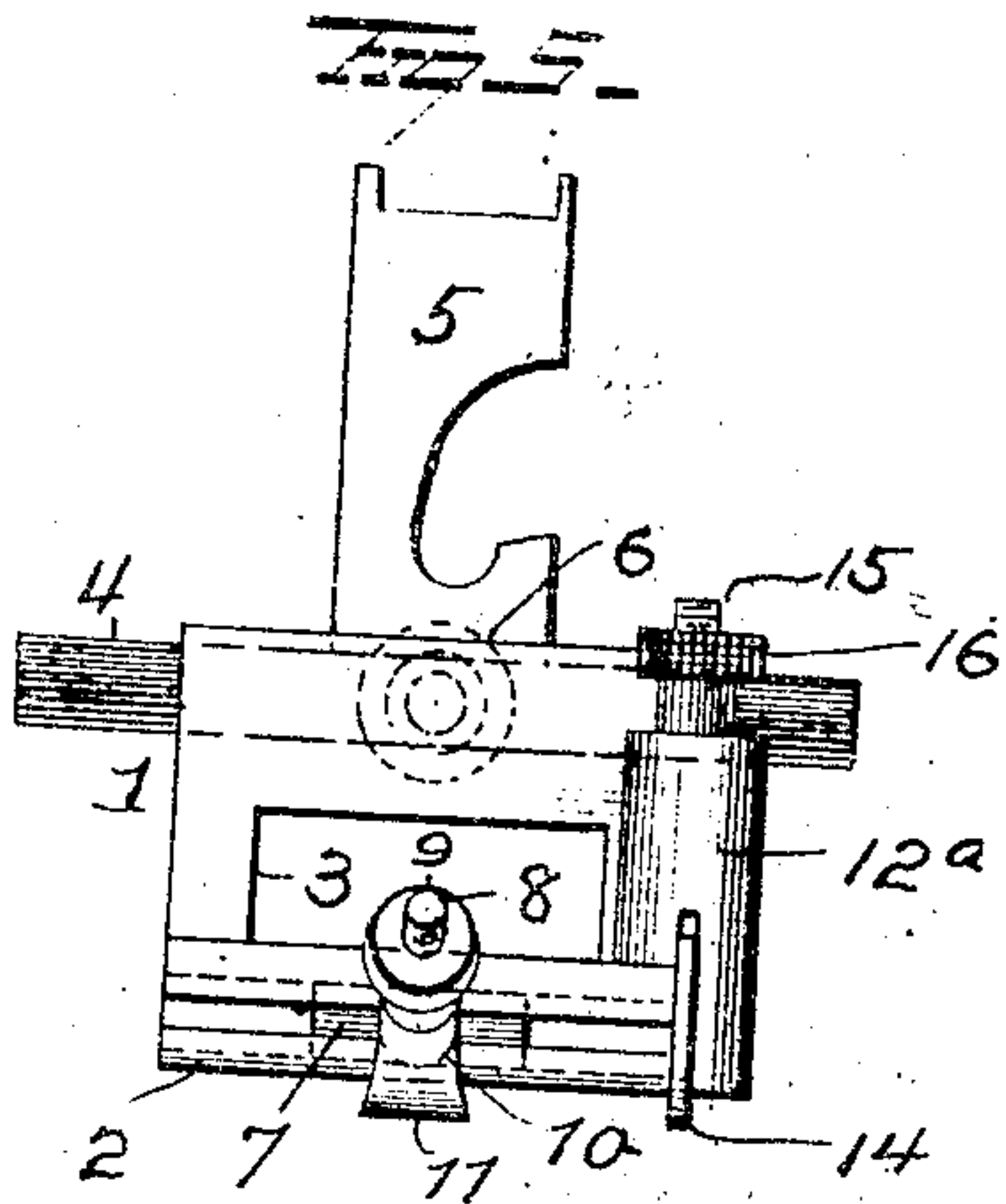
PATENTED DEC. 31, 1907.

J. HUDSON.

GUIDE AND PRESSER FOOT FOR SEWING MACHINES.

APPLICATION FILED AUG. 2, 1906.

2 SHEETS—SHEET 2.



WITNESSES

E. Nottingham  
G. J. Downing

INVENTOR

J. Hudson  
By H. A. Seymour  
Attorney



# UNITED STATES PATENT OFFICE.

JOHN HUDSON, OF SPOKANE, WASHINGTON.

## GUIDE AND PRESSER-FOOT FOR SEWING-MACHINES.

No. 875,577.

Specification of Letters Patent.

Patented Dec. 31, 1907.

Application filed August 2, 1906. Serial No. 328,961.

*To all whom it may concern:*

Be it known that I, JOHN HUDSON, of Spokane, in the county of Spokane and State of Washington, have invented certain new and useful Improvements in Guides and Presser-Foot 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 relates to an improved guide and presser foot for sewing machines, the object of the invention being to provide improvements of this character which will absolutely prevent the skipping of stitches and perfectly guide the material beneath the presser foot at all times. It also covers and presses down upon the material from the very edge of the guide, and does not leave the slightest space between the edge of the guide and the presser foot, where the material already having a seam inside of such edge, could curl upward by being sewed back and close up to such turned in seam. This inturned seam frequently is imperfect, the outside stitching is inclined to follow close up to such imperfect inturned seam if not pressed down upon by the presser foot to the very outside edge of the material and inner edge of guide.

A further object is to provide an improved guide and presser foot capable of various adjustments.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view illustrating my improvements. Fig. 2 is a view in end or side elevation. Fig. 3 is a view in section. Fig. 4 is a bottom plan view, and Figs. 5, 6 7 and 8 are views of modifications.

1 represents a cast body or block, comprising the horizontal or base portion 2, and upright portion at the back, the latter having an opening 3 to admit the light and prevent casting a too great shadow on the work.

The back of the block or casting 1 is provided in its top with a longitudinal slot, communicating with a longitudinal bore, to receive a rod 4 having an upright bar 5 secured theret and movable in the slot, and this bar

5 is constructed to be attached to the reciprocating bar of a sewing machine and may be secured to any sewing machine by slight modifications. A thumb screw 6 is provided in the body to engage rod 4 and lock the same at any adjustment.

The base portion 2 is provided in its forward edge with a slot communicating with a longitudinal bore, in which a T-head 7 on a rod 8 is located. This rod 8 projects forwardly and upwardly at its free end, and is screwthreaded to receive a thumb nut 9 on its free end. A tube 10 is located on this rod 8 and has a flat spring 11 secured at its forward end to the under side of the tube 10 at the forward end of the latter and is adapted to bear downward at its rear end, against the goods beside the needle, to prevent the goods being drawn up by the needle and resulting in a quantity of material passing through unsewed, or what is known as "skip stitches".

On the rod 8, between tube 10 and nut 9, a washer or sleeve 12 is located, and when the nut 9 is screwed up on the rod, the T-head in the bore or base 2 and the inner end of tube 10 will firmly clamp the base between them and secure the spring at any lateral adjustment, and the forward edge of base 2 is preferably marked off in scale form to permit the operator to set the spring any desired distance from the end of the base and thereby form the line of stitches at the point desired with the spring pressing down on the goods adjacent to the needle. At the ends of the base, vertical barrels 12<sup>a</sup> are located and are made with slits at their lower ends to receive guides 14, secured on the lower ends of rods 15 located in barrels 12<sup>a</sup> and screwthreaded at their upper ends to receive adjusting nuts 16 above the barrels. Coiled springs 17 are located in the barrels around rods 15 and bear down on guides 14 to press the latter tightly against the cloth. The guides are in the form of sharp runners with upturned and preferably slightly enlarged forward ends to ride over cross seams, etc., and prevent possibility of catching in the goods.

The operation of my improvements is as follows:—The goods pass beneath the presser foot with the guide 14 beside the fold or seam and guides the goods so that the stitching will be in a straight line parallel with the fold, and by adjusting the casting or body 1 on rod 4 by means of thumb screw 6 and



correspondingly adjusting the rod 8 and spring 11 on the scale of base 2, the line of stitching can be had any distance from the fold. With the double guide the line of stitching can be had either to right or left of the seam or fold. The spring 11 may be made with a slit 18 and notch 19 as shown in Fig. 6 to allow the needle to work close to the spring and at the same time the spring will hold the cloth from following the upward movement of the needle.

In the construction shown in Figs. 7 and 8, the bar 5 is provided at its lower end with a forwardly projecting arm 21 to the under side of which, one end of the spring presser foot 11 is fixed. The boss block 2 is slotted for the accommodation of the arm 21 and the slotted portion of the base block is recessed for the reception of an enlargement 25 on the arm 21. The base block 2 is thus mounted on the arm 21 so as to be adjustable thereon, and is held in any position to which it may be adjusted, by a set screw 22. This set screw passes through the bar 5 and engages the base block 2, as clearly shown in Fig. 8. The guide 14 is formed at one end of a flat spring, the horizontal portion 20 of which is secured upon the base block 2 and the vertical portion of the spring is made with a slot 23 to receive a screw 24 at the end of the base block 2.

A great many other slight changes might be made in the general form and arrangement of the parts described without departing from my invention. Hence, I do not restrict myself to the precise details set forth but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

Having fully described my invention what I claim as new and desire to secure by Letters-Patent, is:—

1. In a combined guide and presser foot, the combination with a block or casting, of a spring-pressed guide carried by said block or casting at one end thereof, and a spring-presser foot projecting forwardly from said block or casting and adjustable laterally thereon toward and away from the guide.

2. In a combined guide and presser foot, the combination with a block or casting, of a spring-pressed guide at one end thereof, a forwardly projecting laterally adjustable rod secured to the block, a scale on the block, and a spring carried by said rod and adapted to

press down on the goods adjacent to the needle.

3. In a combined guide and presser foot, the combination with a body or casting, of vertical barrels at the ends thereof, rods in said barrels, guides at the lower ends of the rods having upturned forward ends, adjusting nuts on the upper ends of the rods above the barrels, and a presser foot adjustably secured to the body between the guides.

4. In a combined guide and presser foot, the combination with a block a guide attached thereto and a presser foot laterally adjustable on the block, of a bar constructed for attachment to a sewing machine, a cross rod on said bar movable in the block, and a set screw to secure the block at any adjustment.

5. The combination with a rectangular block, of a spring presser foot adjustable laterally thereon and projecting forwardly from the front edge thereof, and means for effecting lateral adjustment of said block relatively to the presser bar of a sewing machine.

6. The combination with a rectangular block and means for attaching the same to the presser bar of a sewing machine, of a spring-pressed guide carried by said block, a presser foot projecting forwardly from the front edge of said block, and means for securing said presser foot to the block and adjusting it laterally thereon toward or away from the guide.

7. The combination with a block, of a spring pressed presser foot attached thereto, projecting forwardly from the edge thereof and adjustable laterally thereon, a spring-pressed guide also attached to said block, a bar adapted for attachment to the presser bar of a sewing machine, and means for effecting lateral adjustment of said block relatively to said first mentioned bar.

8. The combination with a bar adapted for attachment to the presser-bar of a sewing machine, of a block attached to said bar and laterally adjustable relatively thereto, a spring-pressed presser foot projecting forwardly from said block and laterally adjustable relatively thereto and a spring pressed guide also attached to said block.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

JOHN HUDSON.

Witnesses:

CHARLES W. CLARKE,  
AUSTIN READY.