

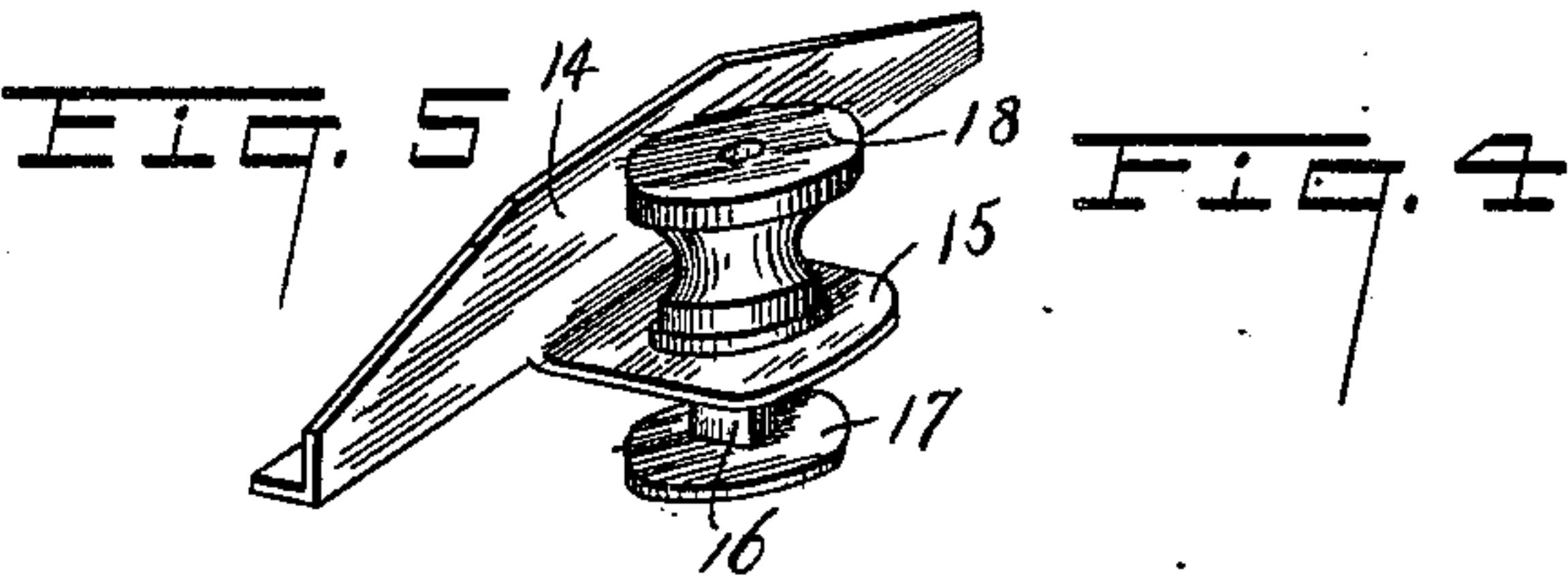
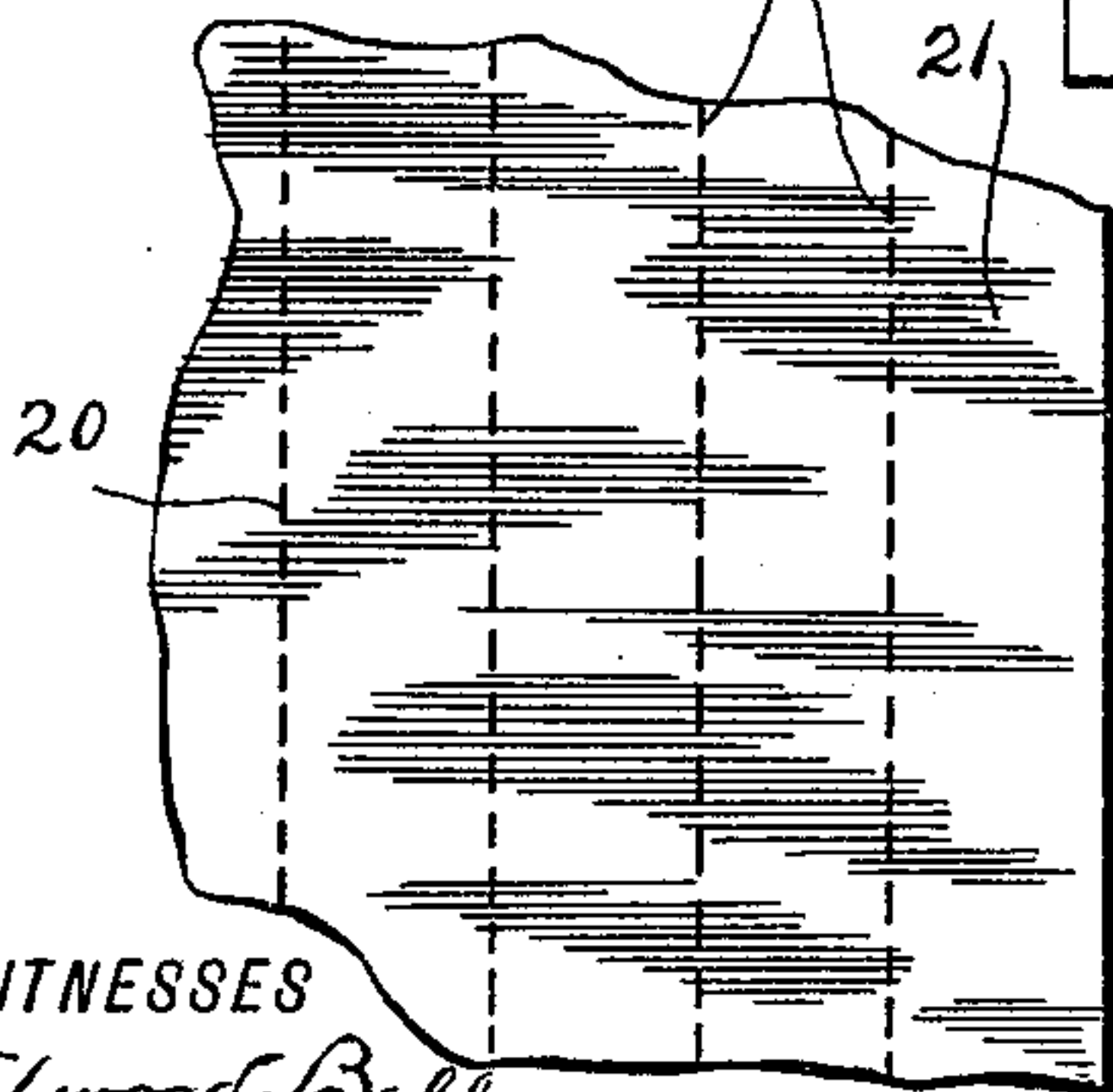
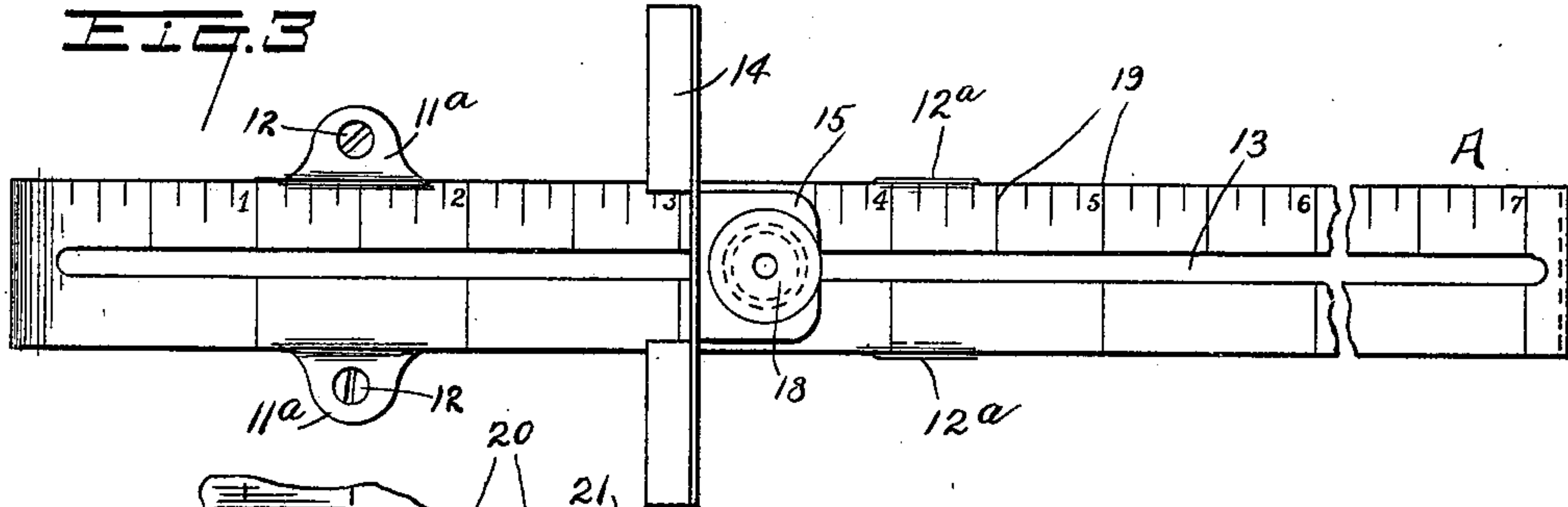
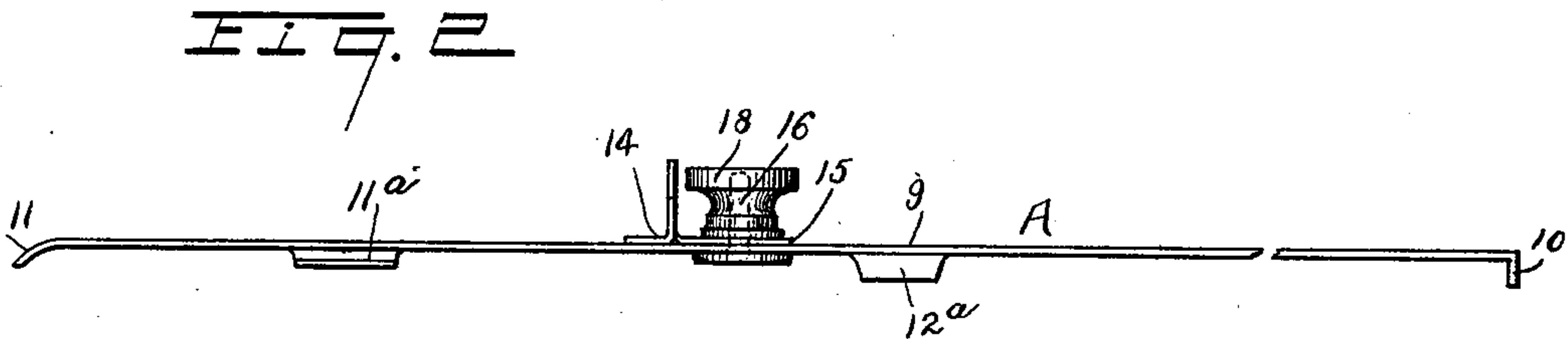
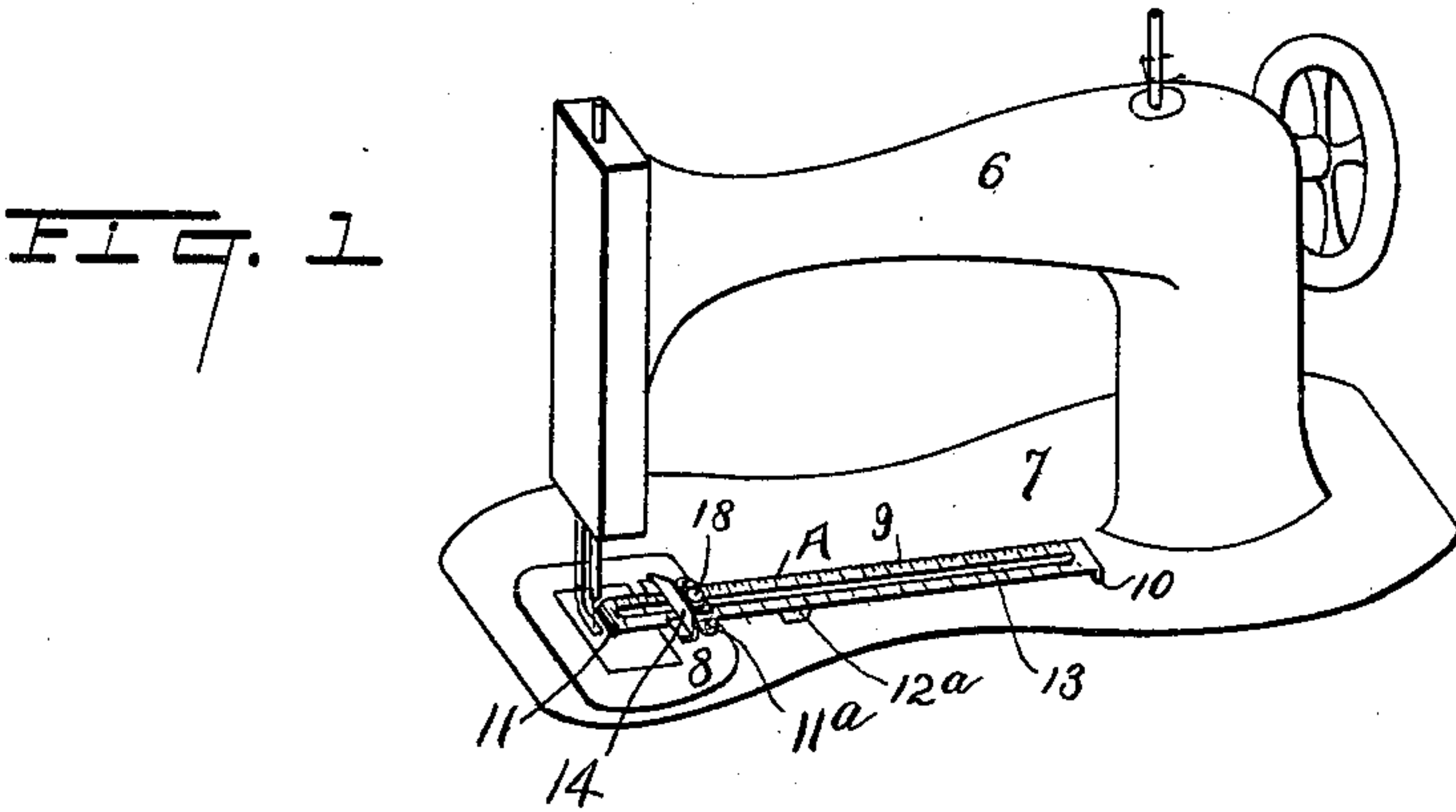
No. 675,785.

Patented June 4, 1901.

A. W. MOLLER.
GUIDE FOR SEWING MACHINES.

(Application filed May 12, 1900.)

(No Model.)



WITNESSES
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UNITED STATES PATENT OFFICE.

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GUIDE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 675,785, dated June 4, 1901.

Application filed May 12, 1900. Serial No. 16,425. (No model.)

To all whom it may concern:

Be it known that I, AGNES W. MOLLER, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Guides for Sewing-Machines, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to combined sewing-machine attachments and sewing implements; and the object thereof is to provide an attachment for sewing-machines whereby stitching may be relatively spaced as desired, said attachment being adapted for separate use as a sewing implement for the purpose of gaging hems previous to basting or stitching the same.

The invention consists in the novel construction and arrangement of parts hereinafter specified.

In the accompanying drawings, which form part of this specification, and in which like reference characters denote like parts in the several views, Figure 1 is a perspective view of the cloth-plate and needle-arm of a sewing-machine provided with an attachment constructed according to my invention; Fig. 2, an edge view of the attachment shown in Fig. 1; Fig. 3, a plan view of the same; Fig. 4, a perspective view of a detail of the said attachment; and Fig. 5, a view of a piece of work, showing stitching spaced by means of the said attachment.

Referring more particularly to the drawings, I have shown at 6 the needle-arm of a sewing-machine of any standard or other type and at 7 the cloth-plate thereof, which is provided with the relatively-raised throat-plate 8, through which the needle reciprocates in the operation of the machine and across which the work is fed manually or otherwise.

The attachment constituting the subject of the present invention is denoted in the several views by the general reference character A and is shown in Fig. 1 as secured to the cloth-plate 7, as hereinafter described, being arranged longitudinally of the cloth-plate or extending in the same direction relative thereto as the needle-arm 6.

The attachment A embodies a body-strip 9,

provided at one end with a foot 10 and at the other end with a foot 11, the foot 10 being proportioned to raise the respective end of the body-strip 9 slightly higher than the other end when said feet are placed upon a level surface or, vice versa, to support the body-strip 9 in true horizontal or level position when said feet are placed upon rests of different altitude for a purpose hereinafter described. The body-strip 9 is also provided with ears 11^a, arranged upon the sides thereof and perforated to receive thumb-screws 12, whereby the body-strip may be secured to the cloth-plate 7, and with supplemental feet 12^a, arranged laterally and for the same general purpose as the feet 10 and 11.

A longitudinal slot 13 is formed in the body-strip 9, and mounted slidably upon the body-strip is a gage member 14, which ranges laterally thereof and is angular in form and provided with a rearwardly-directed flange 15, through which passes a stud 16, which also passes through the slot 13 and is provided beneath the body-strip with a head 17, which prevents the withdrawal thereof through said slot. The upper end of the stud 16 is threaded and provided with a thumb-screw head 18, whereby the flange 15 and gage member 14 may be clamped to the body-strip in adjusted position.

The body-strip 9, together with the feet 10 and 11 and supplemental feet 12^a and ears 11^a, is preferably formed of a single strip of sheet metal suitably cut or stamped and formed, and the gage member 14 is also preferably formed of a single strip of sheet metal, as will be readily understood, the flange 15 being bent back from the main portion thereof.

The upper surface of the body-strip 9 is graduated at 19 to represent a linear scale, and the forward edge of the gage member 14 is read in connection with the said graduations in adjusting the same along said body-strip, whereby with the attachment in the position shown in Fig. 2 the position of the gage member 14 relative to the throat-plate 8 may be predetermined, and the line upon which the stitching 20 is to be done upon the work 21 (shown in Fig. 5) may also be predetermined with great accuracy.

Heretofore it has been difficult to form a plurality of rows of stitching with even inter-

vening spaces and to form said rows straight and true. It is manifest, however, that by means of my attachment such spacing of the rows of stitching may be regulated to a nicety, 5 the broad angular gage member 14 guiding the work 21 accurately during the feeding thereof beneath the needle of the machine.

The entire attachment may be removed from the cloth-plate of the machine and used 10 manually for the purpose of gaging seams before basting or stitching the same, as will be readily understood, by adjusting the gage member in connection with the body portion and the scale-graduations thereon.

15 By means of the foot 10, which is of greater length than the foot 11, and by means of the supplemental feet 12^a, in conjunction therewith, the body portion or strip may be supported in perfect level position upon the cloth- 20 plate and upon the customarily relatively raised throat-plate, whereby accurate adjustment of the gage member 14 with relation to the needle of the machine and by means of the graduations upon the body-strip 9 is in- 25 sured.

I am aware that various sewing-machine attachments for allied purposes have heretofore been devised; but I am not aware that an attachment of the specific form herein 30 specified and embodying the particular advantages of the present invention has been heretofore provided. The angular gage member may be extended laterally to any desired extent, whereby the work is fed evenly to the 35 needle, and by means of the varying length of the feet 10 and 11 the body-strip, and consequently the work, is supported in level or

true horizontal position and with firmness upon the cloth-plate and the relatively-raised throat-plate. This latter feature of construction enables one end of the body-strip to be 40 supported upon the throat-plate in juxtaposition to the needle, providing a firm guiding support for the work at that point.

Having fully described my invention, I 45 claim as new and desire to secure by Letters Patent—

An attachment for sewing-machines, comprising a single graduated body-strip of metal provided with a longitudinal slot, said body- 50 strip being bent at its rear and forward ends to form feet of different length, and being provided with lateral integral securing-ears and supplemental feet whereby the body-strip may be supported in level position upon the 55 cloth-plate and relatively-raised throat-plate of the machine, and a gage member comprising an angular laterally-projected body provided with a rearwardly-ranging integral flange, said gage member being adjustably 60 mounted upon said body-strip and in position to guide the work thereabove, and provided with a securing device, embodying a head which operates beneath said body-strip, and a stud which passes through said slot, 65 substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 7th day of May, 1900.

AGNES W. MOLLER.

Witnesses:

LEONARD HULL SMITH,
DANIEL T. GRIFFITH.