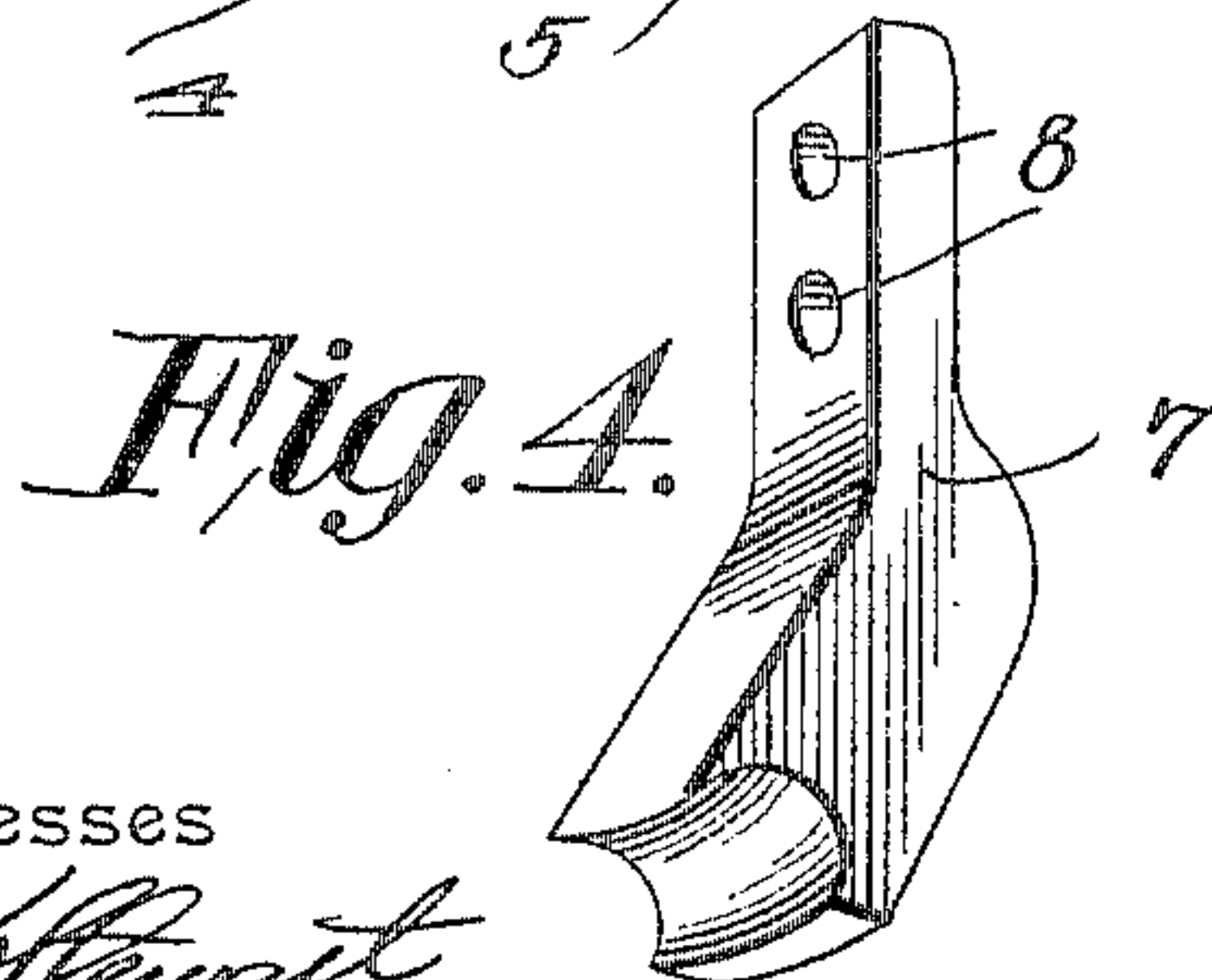
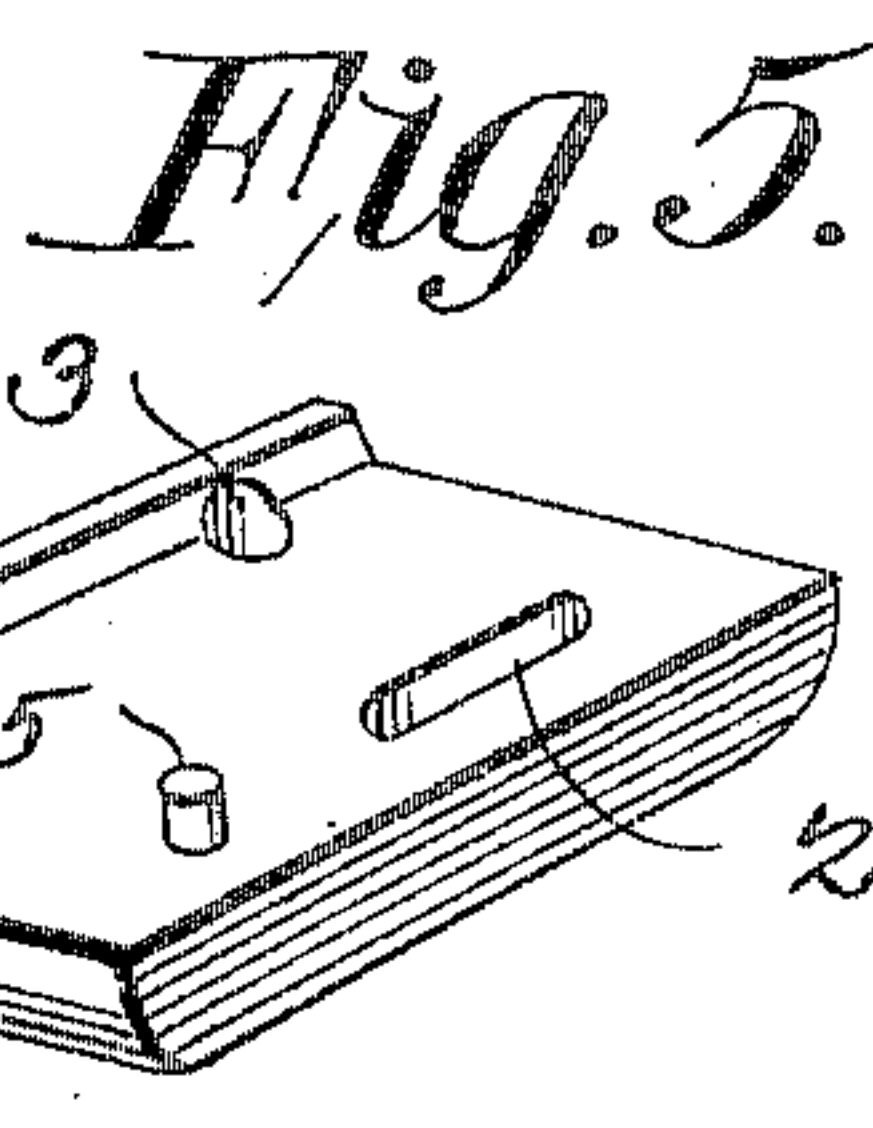
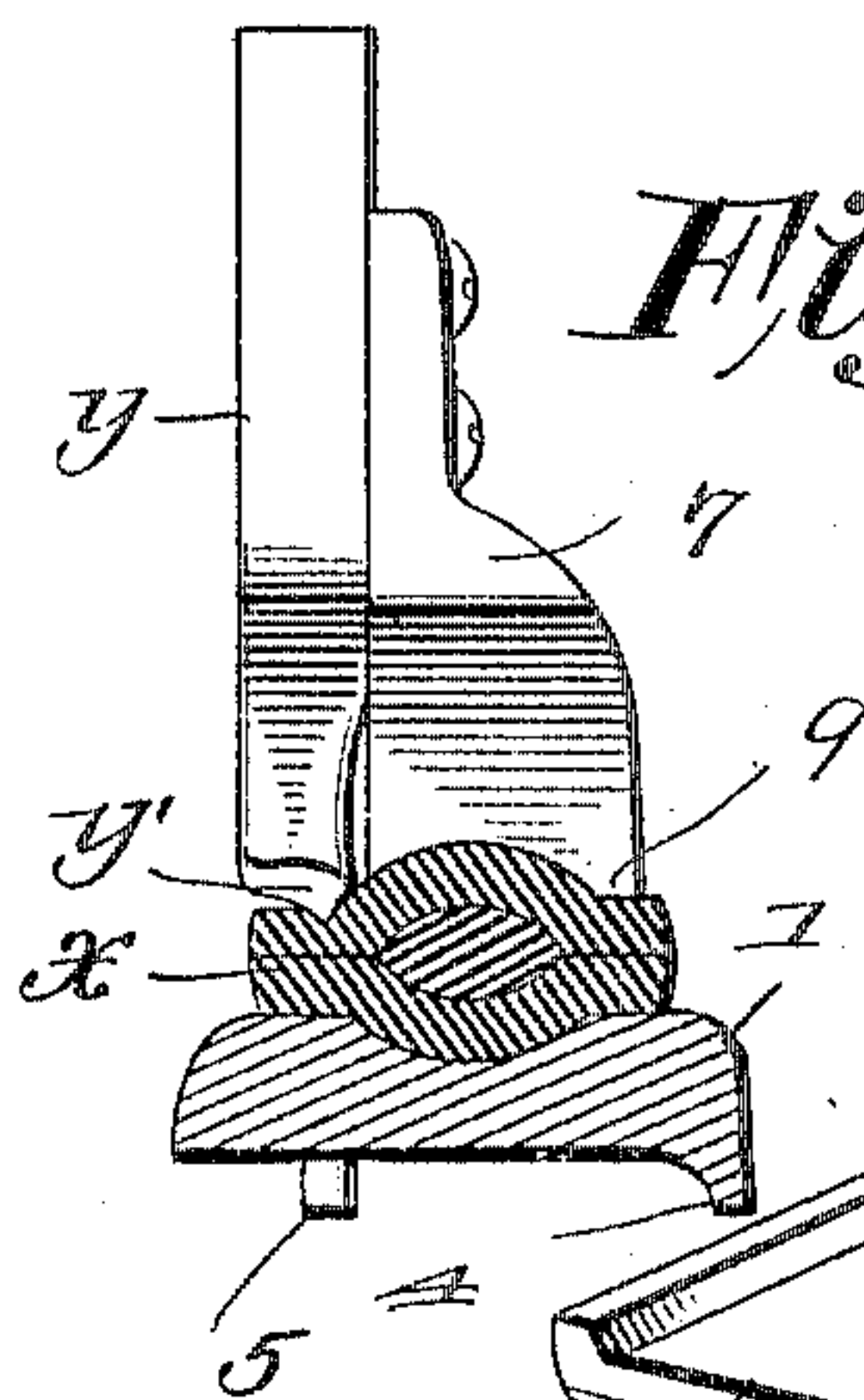
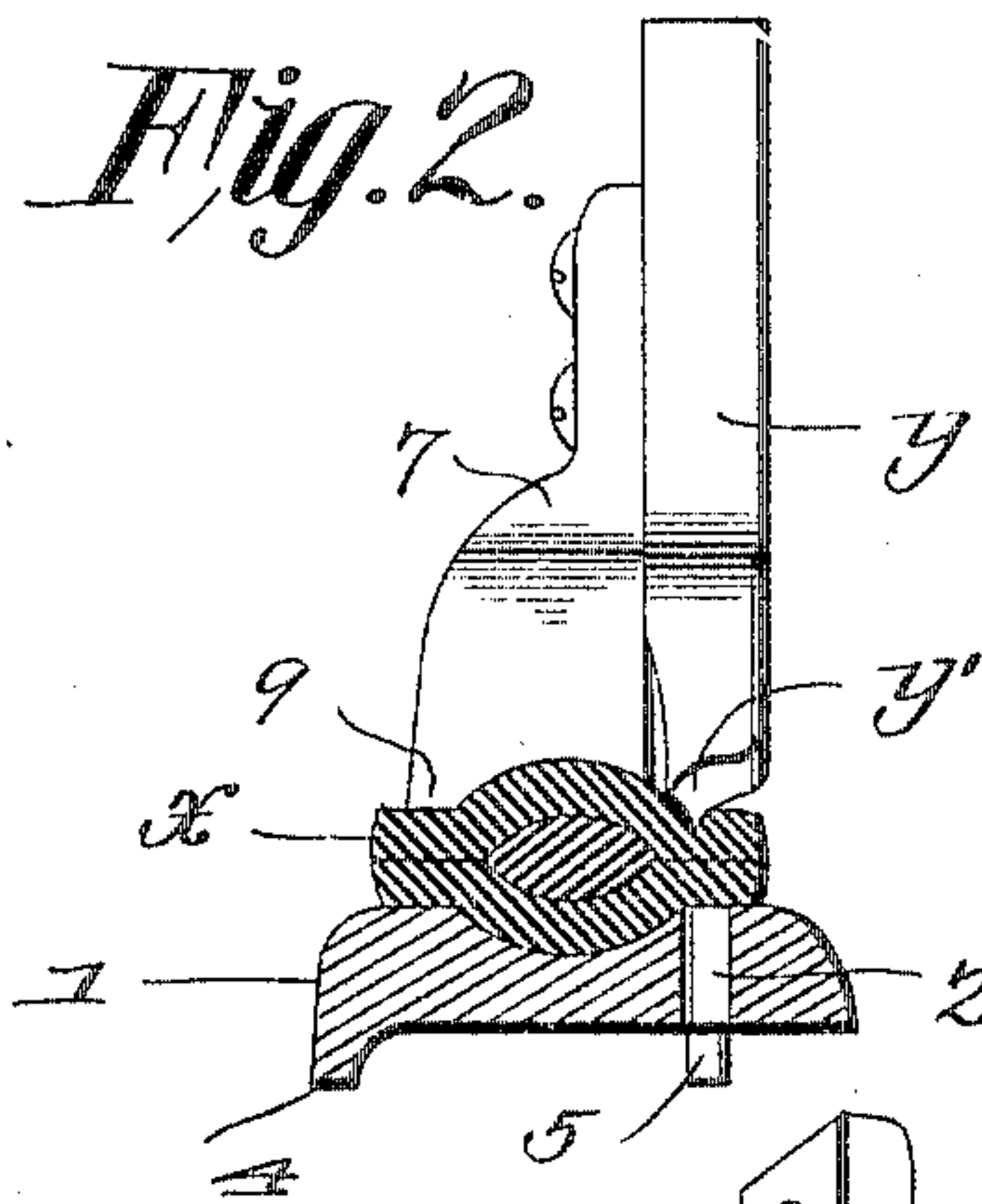
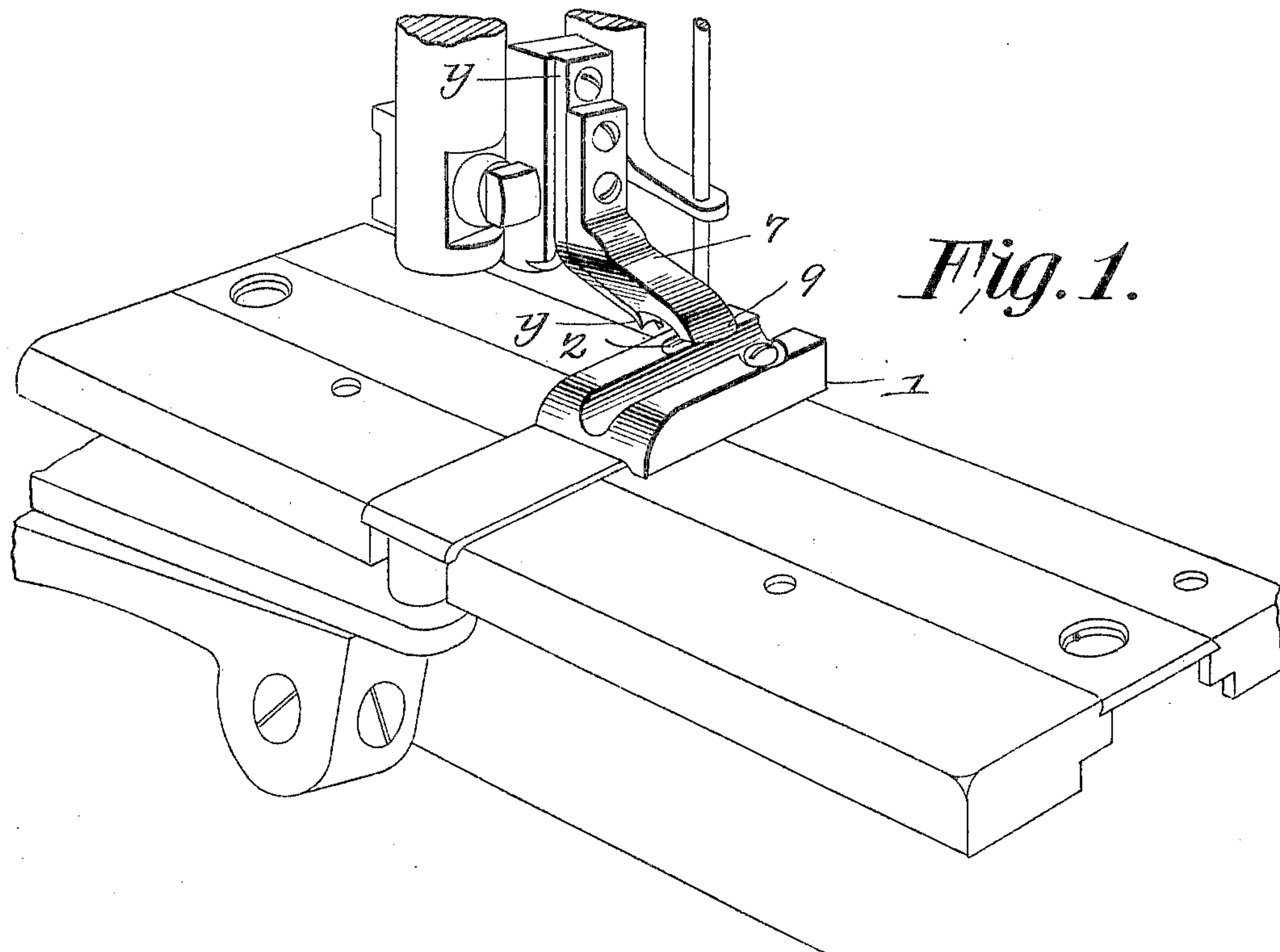


No. 804,415.

PATENTED NOV. 14, 1905.

M. LAUTERBACH.
GUIDE FOR HARNESS MACHINES.
APPLICATION FILED NOV. 12, 1904.



Witnesses

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MAX LAUTERBACH, OF ROCKPORT, INDIANA.

GUIDE FOR HARNESS-MACHINES.

No. 804,415.

Specification of Letters Patent.

Patented Nov. 14, 1905.

Application filed November 12, 1904. Serial No. 232,509.

To all whom it may concern:

Be it known that I, MAX LAUTERBACH, a citizen of the United States, residing at Rockport, in the county of Spencer and State of Indiana, have invented a new and useful Guide for Harness-Machines, of which the following is a specification.

This invention relates to sewing-machine attachments, and particularly to special machines employed for the sewing of heavy leather harness and similar articles.

The principal object of the invention is to provide an attachment for holding and guiding beaded harness-work—such, for instance, as the ends of reins, hip-straps, &c.

A further object of the invention is to provide a device of the most simple and economical construction that may firmly hold the beaded work in position and guide the same under the needle, the attachment being of such nature as to firmly compress the parts to be stitched and hold the same in proper position until the stitching has been accomplished.

With these and other objects in view, as will more fully hereinafter appear, the invention consists in certain novel features of construction and arrangement of parts, hereinafter fully described, illustrated in the accompanying drawings, and particularly pointed out in the appended claim, it being understood that various changes in the form, proportions, size, and minor details of the structure may be made without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a sewing-machine provided with attachments constructed in accordance with the invention, the view being from the rear of the machine. Fig. 2 is a front elevation of the attachment, together with the presser-foot, the auxiliary throat-plate being shown in section. Fig. 3 is a view similar to Fig. 2 looking from the rear. Fig. 4 is a detail perspective view of the upper guiding and supporting member detached. Fig. 5 is a detail perspective view of the throat-plate inverted.

Similar characters of reference are employed to indicate corresponding parts throughout the several figures of the drawings.

In the manufacture of beaded harness-work and other similar work where two strips of leather are united by stitching and inclose a central filler much difficulty is experienced in properly guiding the work and holding the

parts firmly in place during the stitching operation. This class of beaded work is well known and will usually be found on the ends of driving-reins.

The device forming the subject of the present invention comprises a pair of guides so arranged as to properly support and shape the material during the stitching operation and to hold the same compressed so that when completed the strips of leather forming the outer surface of the article may be tightly stretched. The lower throat-plate 1 is provided with an opening 2 for the passage of the needle and an opening 3 for the passage of a securing-screw. The lower face of the plate has at one side an elongated rib 4, and near the opposite side is a pendent pin 5, adapted to a recess in the work-plate of the machine. The upper surface of the plate is provided with a groove curved in cross-section for the reception of the rounded strip of beaded work α , the latter being preferably formed of two strips of leather, between which is placed a filler-strip, and the edges of the two strips are united by stitching.

The upper guiding and holding member 7 is provided with openings 8 for the passage of screws or other devices by which it may be secured to the presser-foot y . The foot portion of the upper member is extended forwardly and terminates in a flange 9 for contact with the upper strip of leather at a point adjacent to one edge of the leather, the foot portion being further provided with a groove that engages the rounded surface of the upper portion of the beaded work. The presser-foot y in the present case is provided with a sharpened point or edge y' for the formation of a crease or depression into which the stitches are forced.

In the operation of the device the lower throat-plate is secured in position to the work-plate of the machine and the upper member is rigidly secured to the presser-foot and contacts with said presser-foot to form a guide, which presses firmly on the upper surface of the strips being sewed and prevents movement of the same laterally of the throat-plate.

Having thus described the invention, what is claimed is—

A guiding means for harness-sewing machines, comprising in combination, a throat-plate member having in its upper face a centrally-disposed groove extending transversely with respect to the bed-plate of the machine, said groove being curved in cross-section to

receive the curved central portion of the work,
and the flat top of the plate forming supports
for the opposite sides of the work, a presser-
foot member arranged to engage with one side
5 of the work and provided with a pointed edge
forming a stitch-receiving groove, and an aux-
iliary detachable presser-foot member having
a transversely-curved groove in its lower face
for contact with the top of the curved portion
10 of the work, and a flange for engaging and

holding that edge of the work opposite the
presser-foot.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
the presence of two witnesses.

MAX LAUTERBACH.

Witnesses:

C. B. LAIRD,
SARAH PRIEST.