

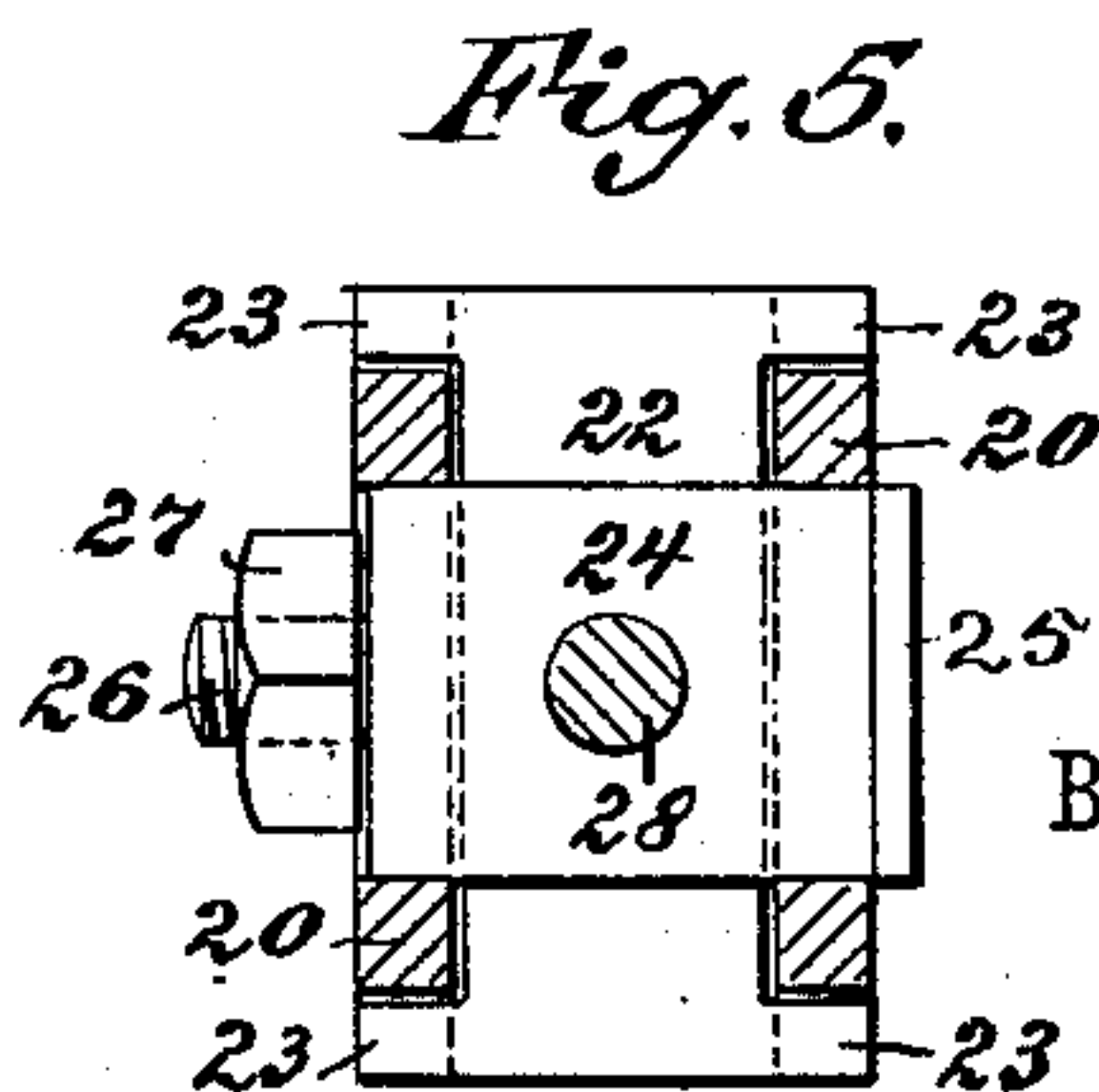
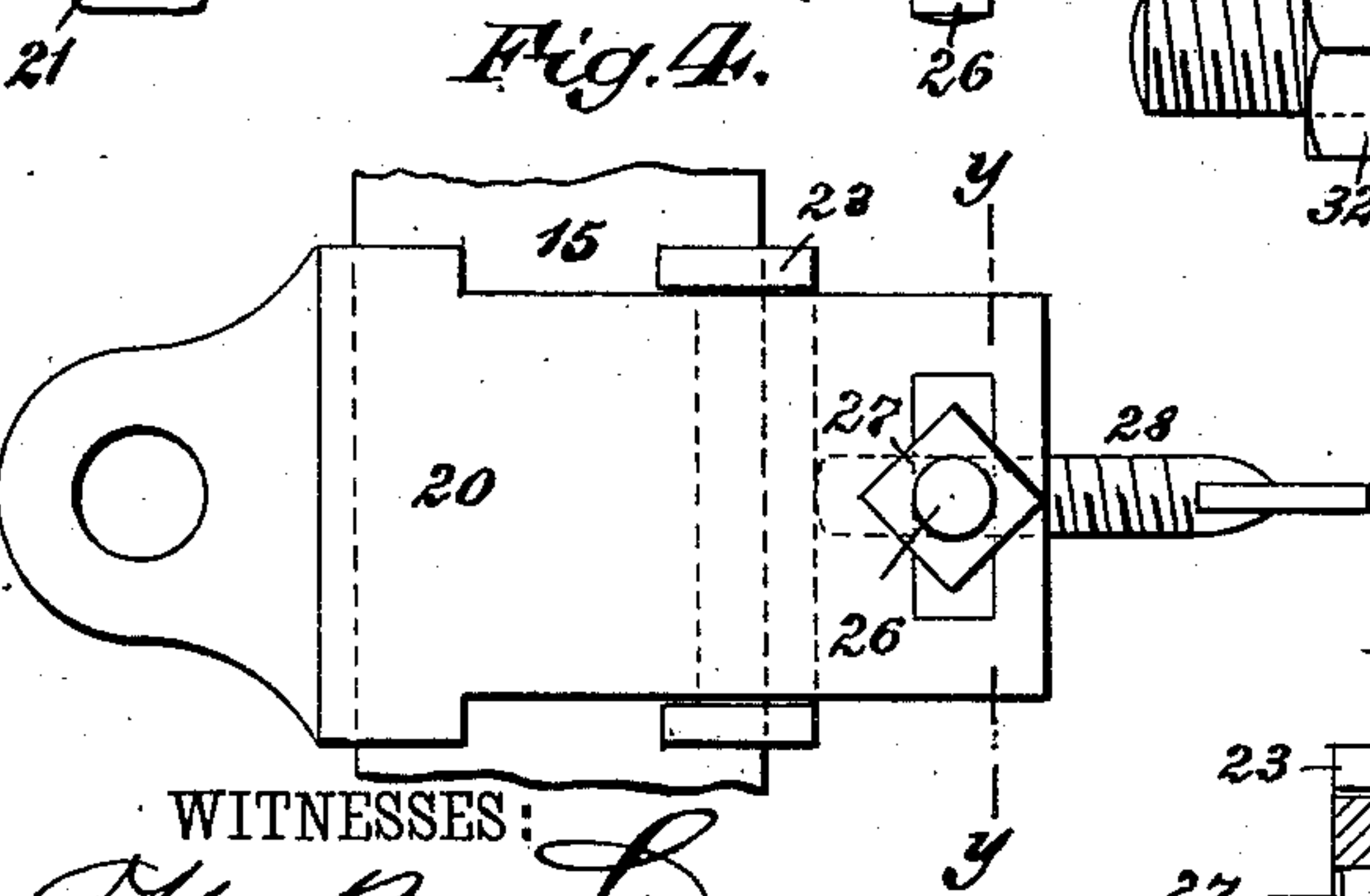
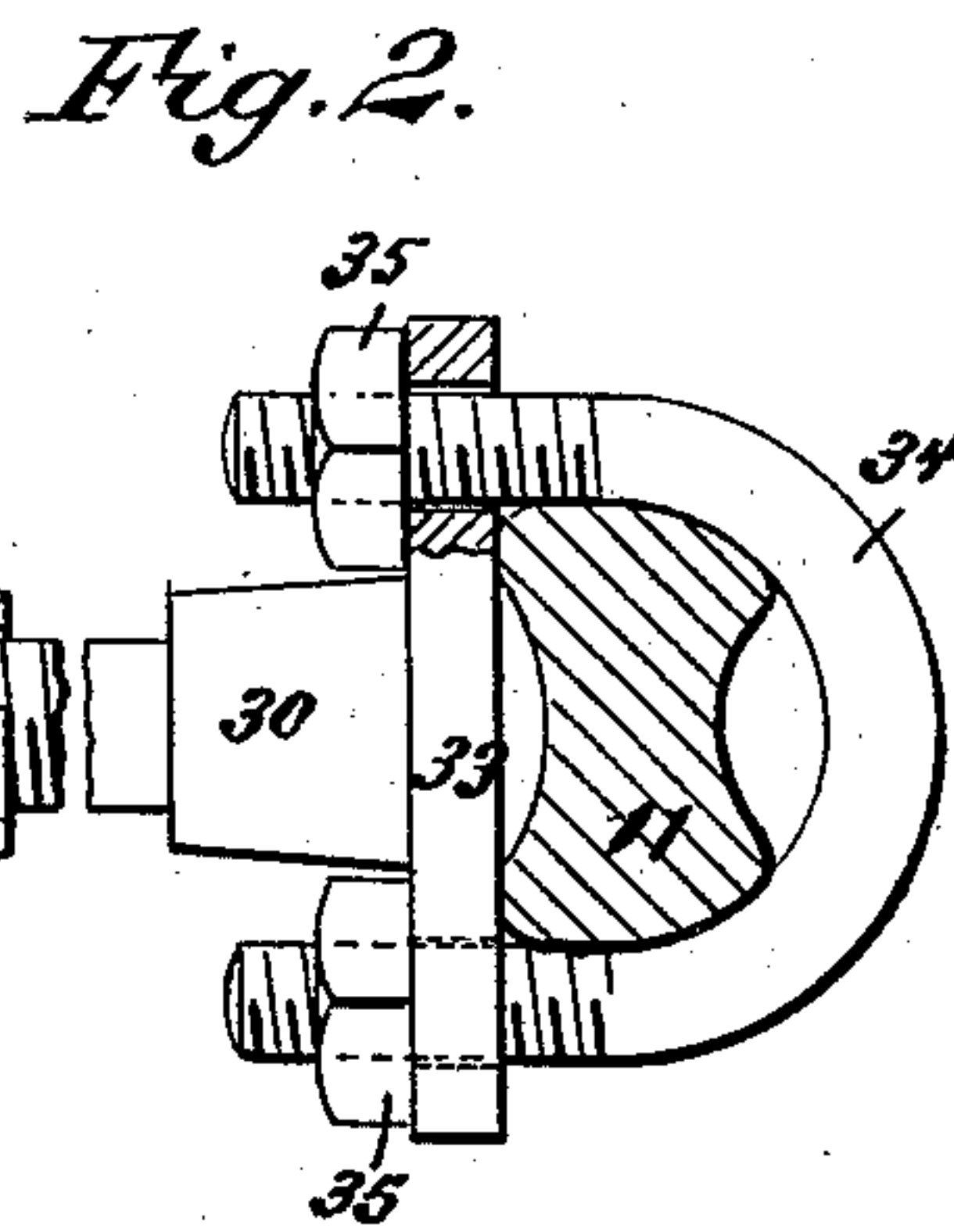
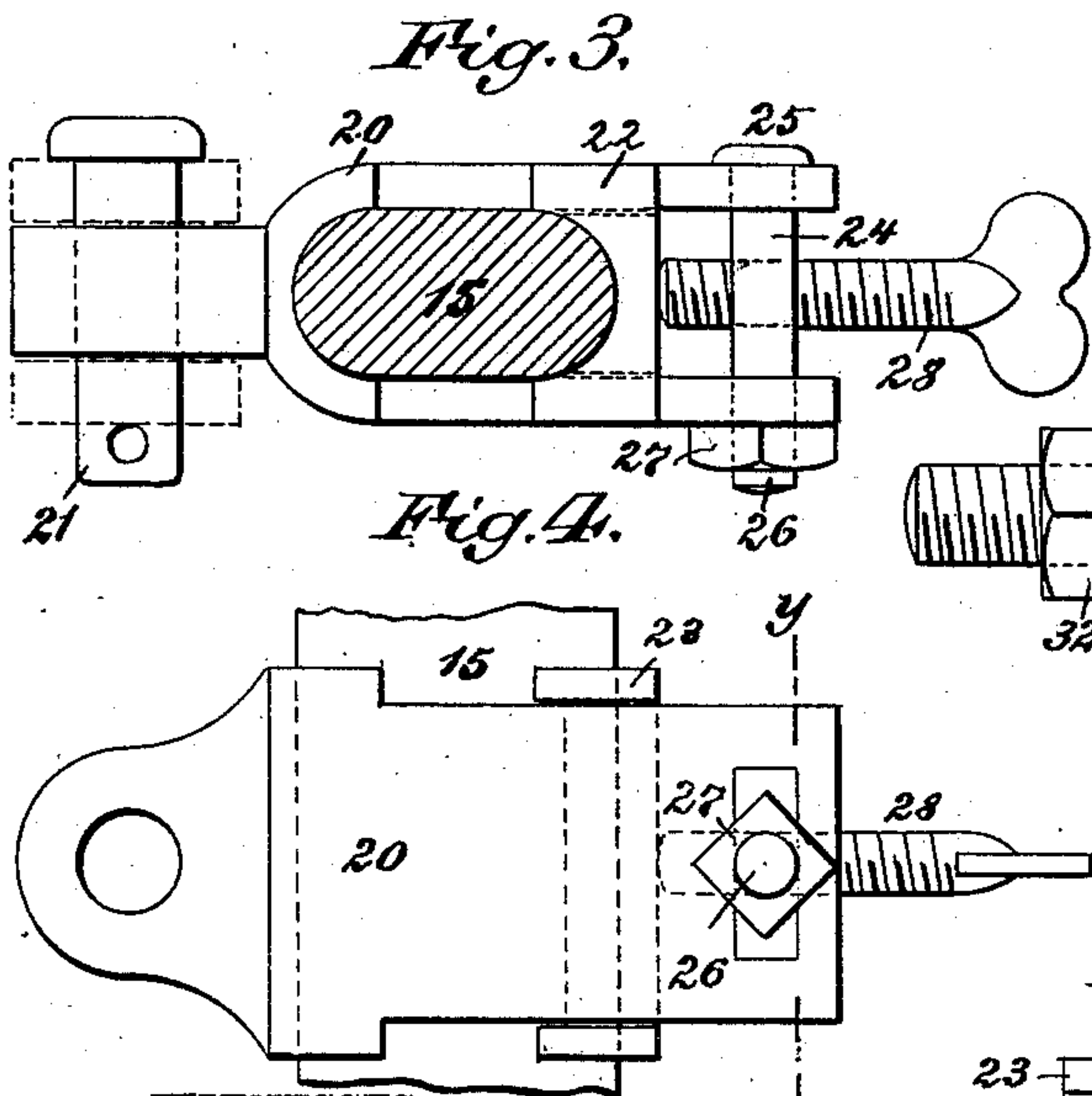
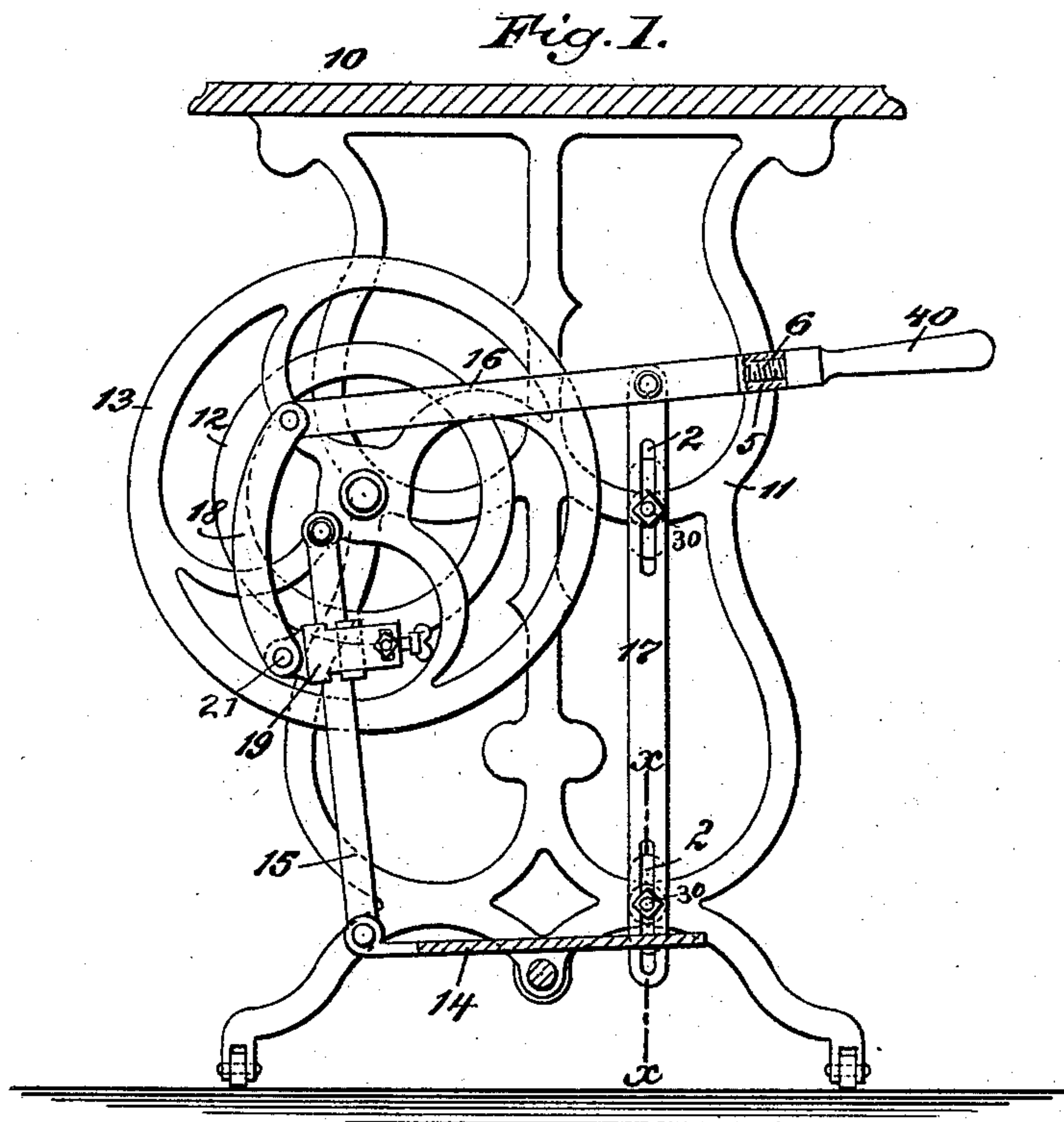
(No Model.)

L. W. McCLUNG.

CONNECTION FOR OPERATING SEWING MACHINES.

No. 365,529.

Patented June 28, 1887.



WITNESSES:

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LOIS WAITE McCLUNG, OF PUEBLO, COLORADO.

CONNECTION FOR OPERATING SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 365,529, dated June 28, 1887.

Application filed April 1, 1887. Serial No. 233,312. (No model.)

To all whom it may concern:

Be it known that I, LOIS WAITE McCLUNG, of Pueblo, in the county of Pueblo and State of Colorado, have invented new and useful
5 Improvements in Connections for Hand-Operating Attachments for Sewing-Machines, of which the following is a full, clear, and exact description.

This invention relates to connections that are
10 applicable for use in securing that form of hand attachment for sewing-machines illustrated, described, and claimed in my application Serial No. 212,086, filed August 28, 1886, to the frame and pitman of a sewing-machine, the
15 object of the invention being to so form the connecting devices that the hand attachment may be secured to machines of almost any size.

Reference is to be had to the accompanying drawings, forming a part of this specification,
20 in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a central vertical sectional view of a sewing-machine table and its running-gear, representing the same as provided with my
25 hand attachment and connecting devices, the inner face of the right-hand side of the machine being represented in the view, and a portion of the operating-lever being shown in section. Fig. 2 is a view in partial section of
30 one of the connections employed to secure the vertical bar to the machine-frame, the view being taken upon a line corresponding approximately with the line *x x* of Fig. 1. Fig. 3 is a view of the connection employed to
35 clamp the link to the pitman of the machine, the pitman being shown in section. Fig. 4 is a side view of the pitman-clamp; and Fig. 5 is a sectional view of the clamp, the view being taken on line *y y* of Fig. 4.

40 Referring now briefly to the general construction, illustrated in the drawings above referred to, 10 represents the table; 11, the right-hand side of the machine-frame to which a driving-wheel, 12, that is carried by a balance-wheel, 13, is connected in the usual well-
45 known manner, the united wheels 12 and 13 being connected with a foot-treadle, 14, by a pitman, 15.

50 The hand attachment represented in the first figure of the drawings consists of a lever,

16, that is pivotally mounted upon a bar, 17, that is arranged for connection with the machine-frame, as will be presently described.

To one end of the lever 16 I connect a link, 18, which carries a clamp, 19, the construction
55 of which is fully illustrated in Figs. 3, 4, and 5, the clamp consisting of a U-shaped yoke, 20, within which the pitman 15 is arranged to fit, this yoke being pivotally connected to the lower end of the link 18 by means of a pivot
60 pin or bolt, 21. Between the arms of the U-shaped yoke 20 there is fitted a follower, 22, said follower being formed with flanges 23, which overlap the edges of the arms of the yoke. At points near the ends of the arms of the
65 yoke I form vertical slots or recesses, in which there is fitted a centrally-apertured plate, 24, said plate being formed with an enlarged head, 25, and with a threaded shank, 26, the arrangement being such that the plate may be inserted
70 through the apertures formed in the arms of the U-yoke, and having been so inserted may be held in place by means of a nut, 27, that is arranged to engage the threaded shank 26. The centrally-threaded aperture of the plate 24
75 is entered by a set-screw, 28, which may be turned forward to force the follower 22 hard against the pitman 15, so as to clamp the parts together, this arrangement being adopted in order that the yoke may be applied to the pit-
80 man without disconnecting any of the parts of the machine proper, for it will be seen that by turning off the nut 27 the plate 24 may be removed, after which the follower may be taken out. The yoke may then be placed so that
85 its arms will embrace the pitman, after which the follower and the plate 24 are adjusted to place, and the parts clamped together, as above described. As in the case of my former ap-
90 plication, the bar 17 is formed with vertical slots 2, and in the construction under consideration the bar is held to the main frame by a construction such as that illustrated in detail in Fig. 2.

The clamping attachment illustrated in Fig. 95 2 consists of a T-shaped bolt, 30, the shank of which is threaded in order that it may be engaged by the nuts 31 and 32. The head 33 of the bolt 30 is flanged and doubly apertured to receive the threaded arms of a U-bolt, 34. 100

In applying the device the U-bolt is removed, the head of the bolt 30 is placed against the inner face of one of the cross-braces of the machine-frame, the U-bolt is passed about said cross-braces and its threaded arms passed through the apertures formed in the apertured head 33 of the bolt 30, the parts being clamped to place by nuts 35, that are brought into engagement with the arms of the bolt, as is clearly shown in Fig. 2, the nut 31 is turned in toward the head of the bolt 30, and the projecting end of the bolt-shank is passed through one of the apertures formed in the bar 17, the nut 31 is then turned up to bear against the bar 17, and the nut 32 is applied to clamp the parts together.

By means of such connecting devices as have been described I am able to connect and properly adjust my hand attachment for use in connection with machines of most any size.

An inspection of Fig. 1 will show that the handle 40 of the lever 16 is formed with a threaded projection, 5, that is adapted to enter and engage the thread of a socket, 6, that is formed in the free end of the lever 16, so that when the hand attachment is not in use the handle may be removed from all connection with the lever.

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

1. The combination, with a sewing-machine attachment consisting of a bar, a lever pivotally connected thereto, a link carried by the

lever, and a means for attaching the same to the machine-frame, of a clamp consisting of a yoke, 20, a follower, 22, a set-screw, and a means for holding the set-screw, substantially as described.

2. The combination, with an adjustable bar arranged for attachment to the frame of the machine, of a lever pivotally connected to the bar, a link pivotally connected to the inner end of the lever, and a clamping attachment, substantially as described, whereby the link may be connected to the pitman, as and for the purpose stated.

3. The combination, with a supporting-bar formed with vertical slots, of T-shaped bolts arranged to pass through said slots, nuts arranged to engage the threaded shanks of the T-shaped bolts, U-bolts arranged to encircle a portion of the machine-frame and to pass through apertures formed in the heads of the T-bolts, a lever pivotally connected to the bar, a link connected to the inner end of the lever, a U-shaped yoke pivotally connected to the lower end of the link and formed to receive the pitman of the machine, a follower mounted between the arms of the yoke, a bolt passed through apertures formed in the yoke-arms, a nut arranged to engage a threaded shank formed upon the bolt, and a set-screw carried by the bolt, substantially as described.

LOIS WAITE McCLUNG.

Witnesses:

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