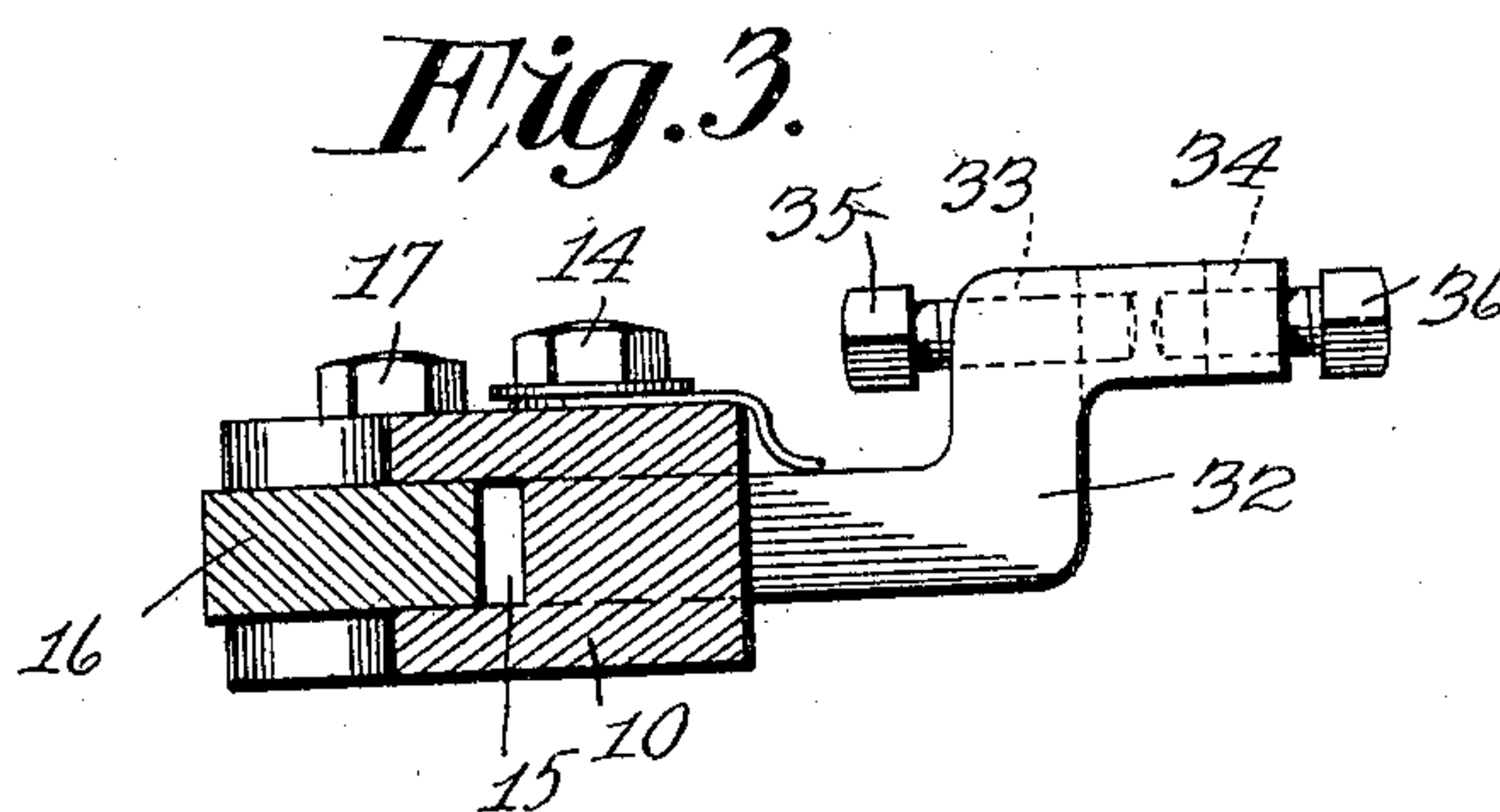
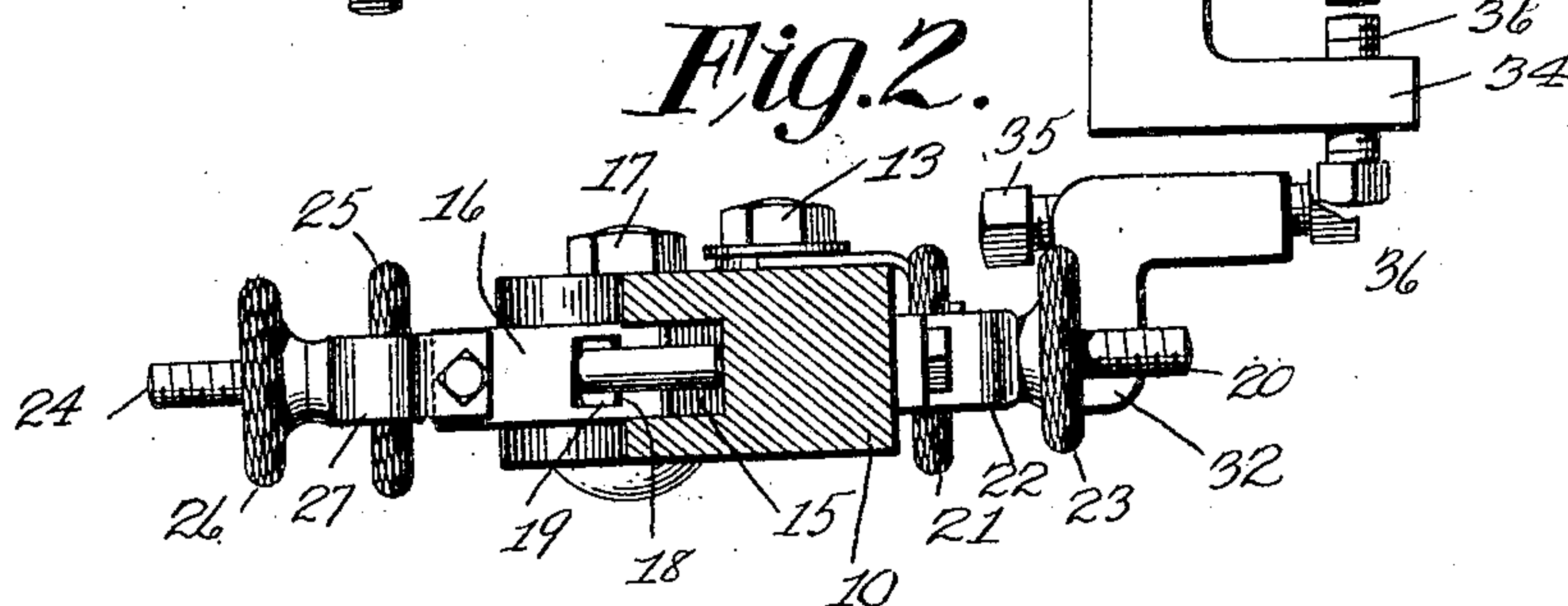
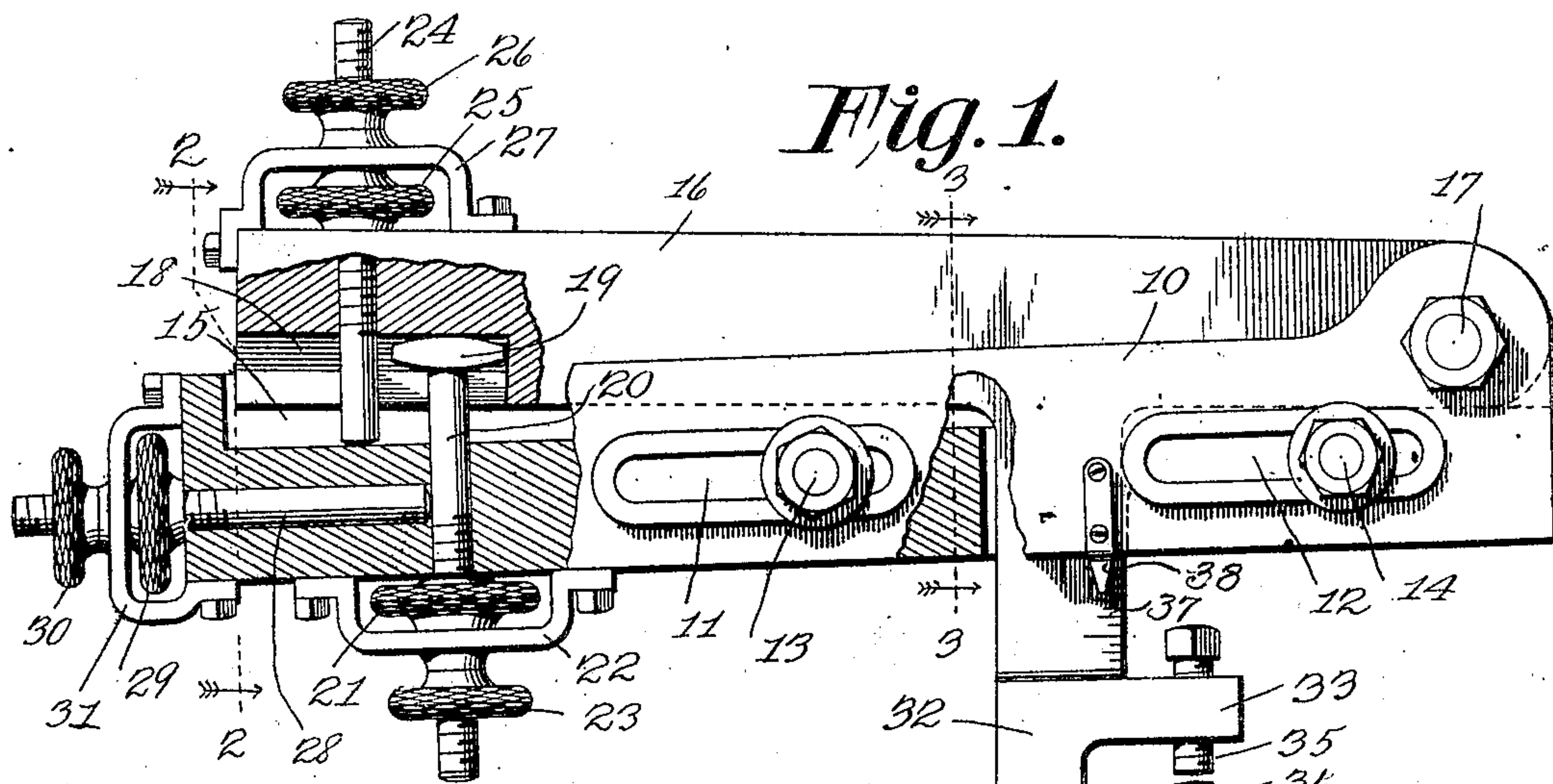


No. 804,128.

PATENTED NOV. 7, 1905.

B. F. HUFFMAN.
SAW GUIDE.

APPLICATION FILED DEC. 15, 1904.



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UNITED STATES PATENT OFFICE.

BENJAMIN F. HUFFMAN, OF BEVERLY, WEST VIRGINIA.

SAW-GUIDE.

No. 804,128.

Specification of Letters Patent.

Patented Nov. 7, 1905.

Application filed December 15, 1904. Serial No. 236,998.

To all whom it may concern:

Be it known that I, BENJAMIN F. HUFFMAN, a citizen of the United States, residing at Beverly, in the county of Randolph and State of West Virginia, have invented a new and useful Saw-Guide, of which the following is a specification.

This invention relates to sawing-machines of various kinds, and has for its object to provide a simply-constructed easily-applied attachment whereby the saws are guided and prevented from "wabbling" or acquiring undue lateral movement when in operation and the saws also held in a practically uniform position near the point where they enter the log.

With these and other objects in view, which will appear as the nature of the invention is better understood, the same consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of embodiment of the invention capable of carrying the same into practical operation, it being understood that the invention is not necessarily limited thereto, as various changes in the shape, proportions, and general assemblage of the parts may be resorted to without departing from the principle of the invention or sacrificing any of its advantages.

In the drawings thus employed, Figure 1 is a plan view, partially in section, of the improved attachment. Fig. 2 is a transverse section on the line 2 2 of Fig. 1. Fig. 3 is a transverse section on the line 3 3 of Fig. 1.

The improved device comprises a base-frame 10, having spaced longitudinal slots 11 12, through which the holding-bolts 13 14 operate to secure the frame in position upon the saw frame or table. The frame 10 is also provided with a longitudinal cavity or seat 15 in its rear side, in which a lever 16 operates, the lever being pivoted at 17 to the frame. In the free end of the lever a longitudinal "dove-tailed" slot 18 is formed to receive the head 19 of a bolt 20, the bolt passing laterally through the frame 10 and provided with a wheel-nut 21, bearing against the face of the frame.

A yoke-frame 22 is attached to the frame 10, through which the bolt 20 passes, and is provided with a lock-nut 23, preferably of the

band-wheel form and bearing against the yoke-frame to insure the more rigid holding of the bolt. A set screw or bolt 24 also passes through the free end of the lever 16 and is preferably provided with two wheel-nuts 25 26 and yoke-frame 27, similar to the nuts and yoke of the bolt 20, and as an additional means for firmly holding the lever from accidental displacement a third screw-bolt 28 is provided for bearing against the bolt 20 and preferably supplied with wheel-nuts 29 30 and yoke-frame 31, as shown.

Extending laterally from the lever 16 and passing through the base member 10 is an arm 32, having spaced jaws 33 34 disposed longitudinally of the base-frame and provided with oppositely-operating set-screws 35 36. The jaw members 33 34 are designed to embrace the saw near its periphery, with the set-screws adjusted to closely engage the saw from opposite sides and effectually prevent all lateral movement or wabbling while in action. By this arrangement it will be obvious that the guiding-jaws may be adjusted to any required extent by operating the screws 35 36, and the latter can then be firmly locked in the adjusted position and prevented from accidental displacement under the severe strains to which the parts are liable to be subjected.

The arm 32 is provided with spaced graduations, as at 37, and the base 10 is provided with an indicator 38, so that the degree of adjustment may be readily determined.

The device will be so located relative to the saw that the adjusting-screws 35 36 will come opposite the saw at the nearest possible entering point of the same into the lumber to insure the uniform action of the saw and effectually prevent any irregularity in the cutting.

It will be noted that all the adjusting wheel-nuts are grouped in close proximity and in convenient position for the attendant, who can readily effect all the required adjustments from his position at the saw-carriage. It will also be noted that the arm 32, together with its guide-jaws and adjusting-screws, is firmly held and supported by the relatively heavy base member, which being firmly attached to the saw-table or bed-frame all tendency of the arm to become displaced is effectually resisted and the lever largely relieved from the strains. It will also be noted that the lever member 16, operating in the longitudinal slot 15 in the base member 10, is firmly

supported thereby from lateral movement and the steadiness of the movements and the stability of the structure thereby materially increased.

5 The yoke-frames 27 31 and outer wheel-nuts 26 30 may be omitted from the bolts 24 and 28 and the latter arranged to operate in threaded apertures in the lever 16 and base-frame 10, respectively, without departing
10 from the principle of the invention, as the operation and results produced would be substantially the same.

Having fully described the invention, what is claimed is—

15 1. In a saw-guide, a base member having a groove in the side thereof and a lateral aperture, a lever pivoted at one end to said bed member accommodated throughout its length in said groove and having a guide-carrying
20 arm extending through said aperture, said lever being provided with a dovetailed groove at its free end, an adjusting-bolt having a head seated in said groove, said bolt extending through an aperture in the base member
25 and provided with an adjusting-nut, an adjusting-bolt extending through the free end of the lever, bearing against the base member and provided with an adjusting-nut, and

a yoke connected with the lever and confining said nut. 30

2. In a saw-guide, a base member having means for adjustable connection to a stationary support and provided with an intermediate transverse aperture, a lever pivoted by one end to said base member and provided
35 with a lateral arm extending through said transverse aperture and terminating in saw-guiding jaws, said lever having a dovetailed groove at its free end, an adjusting-bolt having a laterally-extending head movably engaging said groove and projecting by its threaded end through the base member, an adjusting-nut engaging said bolt and bearing
40 against said base member, an adjusting-bolt operating through the lever and bearing 45 against the base member, a nut upon said lever-adjusting bolt bearing against the exterior of the lever, and a yoke connected with the lever and confining said nut.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
the presence of two witnesses. 50

BENJAMIN F. HUFFMAN.

Witnesses:

W. M. WARD,
A. W. CURRY.