

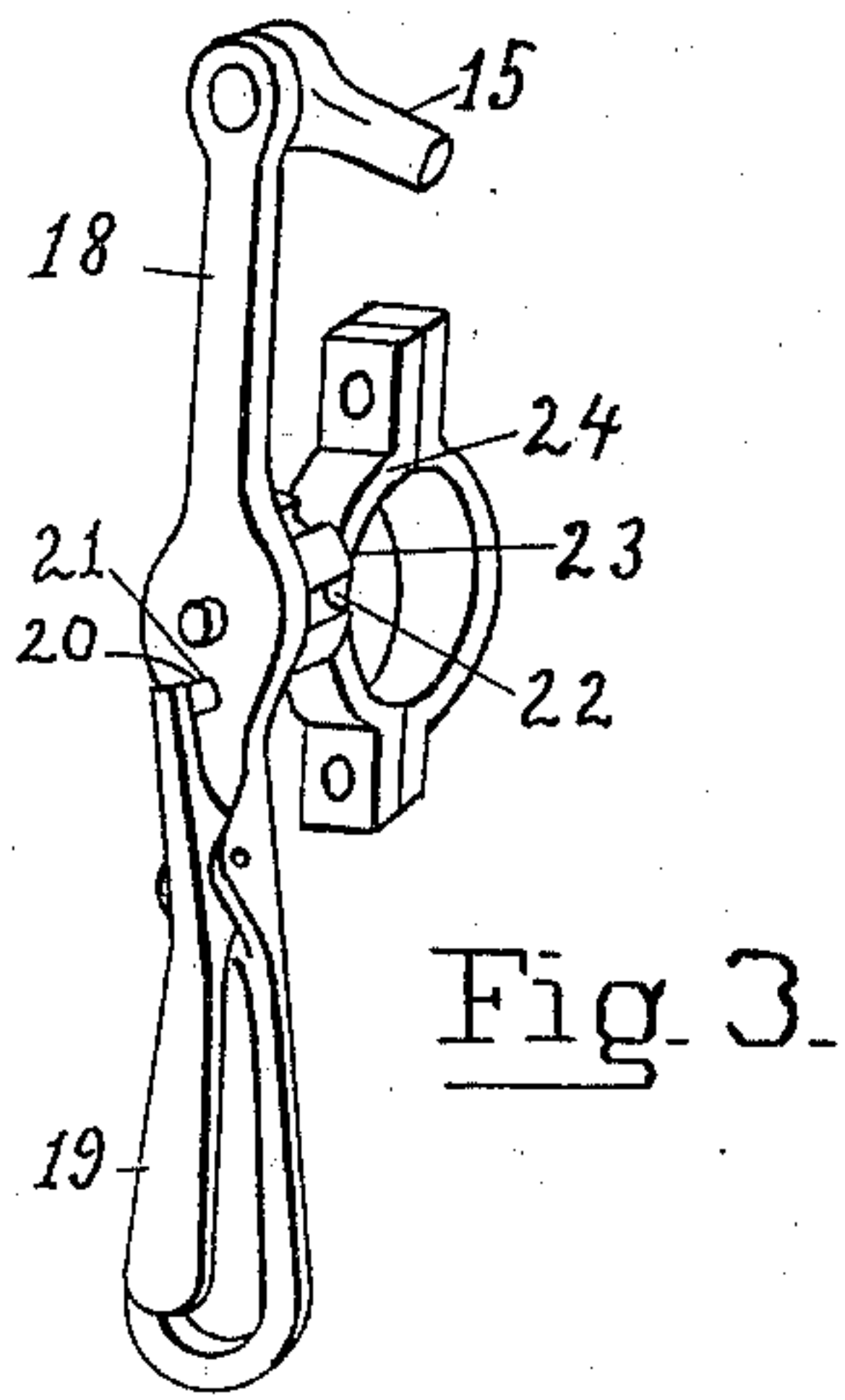
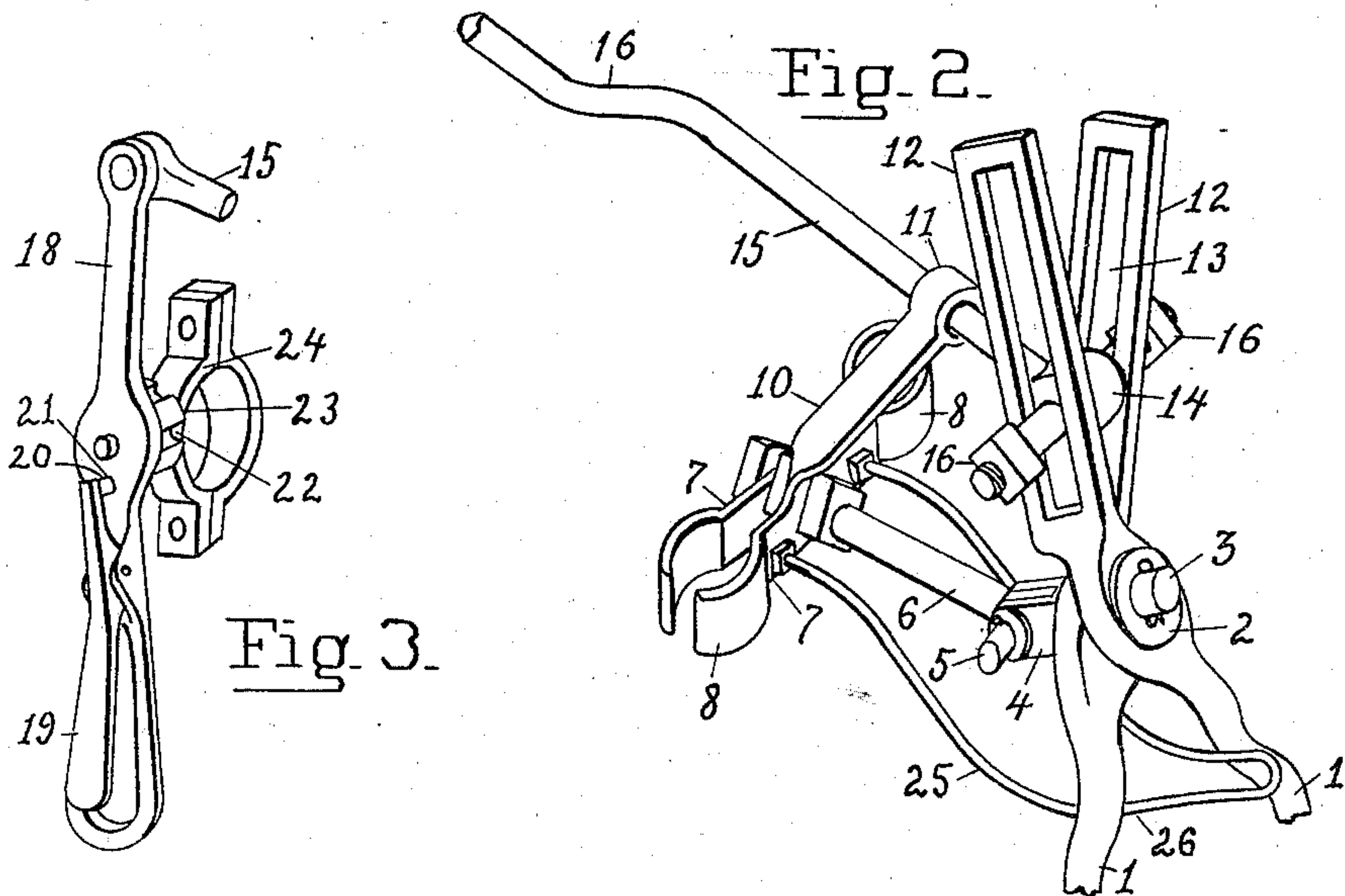
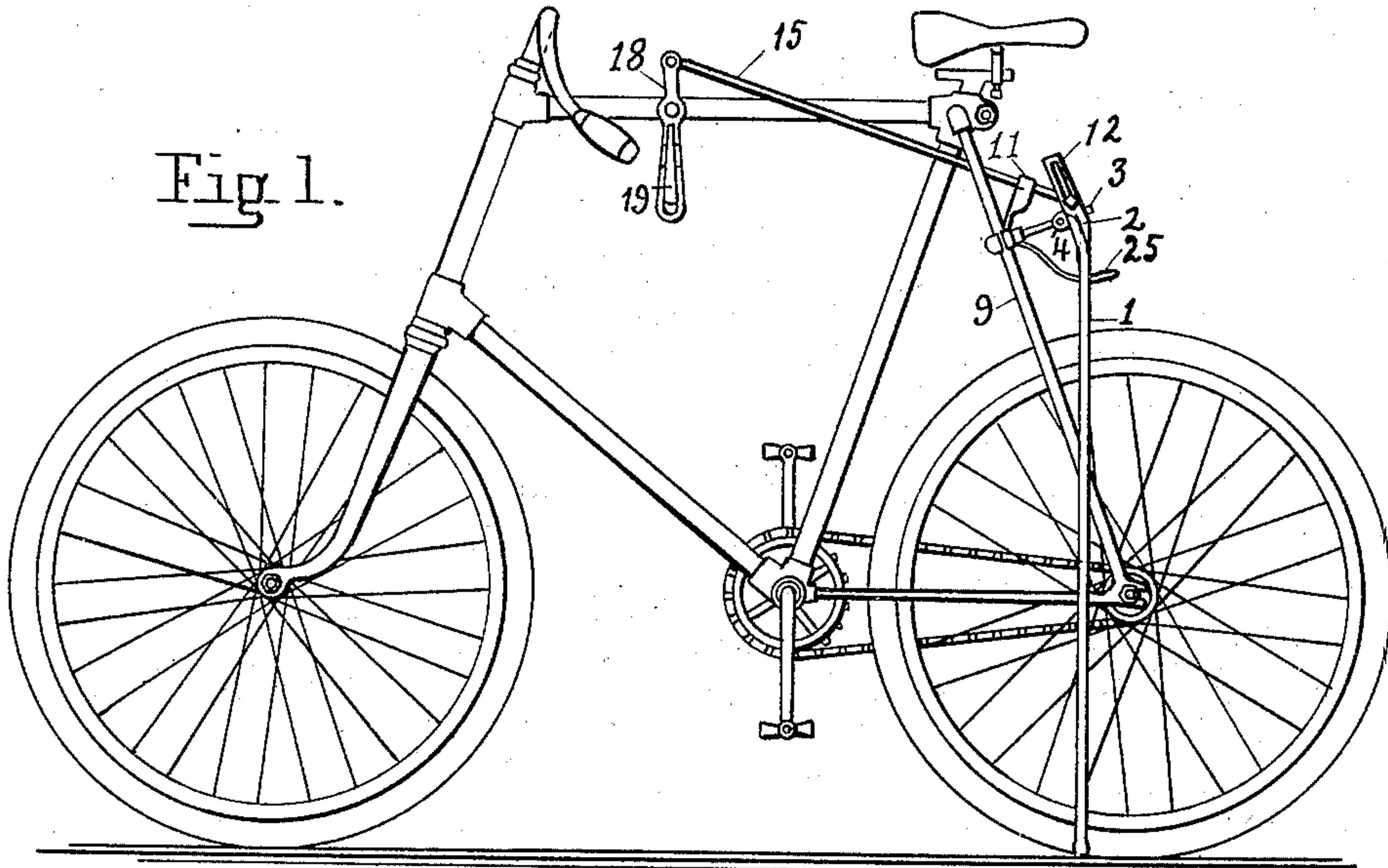
No. 610,005.

Patented Aug. 30, 1898.

F. WALENTA.
BICYCLE SUPPORT.

(Application filed Oct. 2, 1897.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

FRANK VALENTA, OF YONKERS, NEW YORK.

BICYCLE-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 610,005, dated August 30, 1898.

Application filed October 2, 1897. Serial No. 653,903. (No model.)

To all whom it may concern:

Be it known that I, FRANK VALENTA, a citizen of the United States, residing at Yonkers, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Bicycle-Supports; 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.

This invention relates to bicycle-supports, and has for its object to provide a simple and reliable support for bicycles which may be used both for supporting a bicycle in an upright position after the rider has dismounted and also for maintaining the bicycle in proper position to admit of the mounting of the rider.

The detailed objects and advantages of the invention will appear in the course of the subjoined description.

The invention consists in an improved bicycle-support embodying certain novel features and details of construction and arrangement of parts, as hereinafter fully described, illustrated in the drawings, and incorporated in the claims hereto appended.

In the accompanying drawings, Figure 1 is a side elevation of a bicycle, showing the improved support applied thereto. Fig. 2 is an enlarged detail perspective view showing the slotted ends of the supporting-legs and means for supporting the latter, and Fig. 3 is a similar view of the adjusting and holding lever.

Similar numerals of reference designate corresponding parts in all the views.

Referring to the drawings, the improved bicycle-support contemplated in this invention comprises, essentially, a pair of supporting-legs 1, which may be either solid or tubular, as preferred. These legs are of sufficient length to extend from the ground to a point above the rear or driving wheel of a safety-bicycle where they cross or intersect each other at the point 2, at which point they are pivotally connected by means of a bolt 3. This bolt is provided at its forward end with parallel ears 4, by which it is hinged through a pin 5 to the rear end of a bolt 6, which at its forward end passes through and is engaged by a pair of parallel clips or plates 7, the opposite ends of which are deflected and curved, as indicated at 8, to embrace the rear braces

9 of an ordinary safety-bicycle, as shown. A pivotal connection is thus secured between the legs 1 and the clip, by means of which the device is supported on the machine-frame.

One of the clips or plates 7 is provided with an upwardly-extending arm 10, the upper end of which is bent or recurved to form an eye or bearing 11, the purpose of which will appear.

The legs 1 above their point of pivotal connection are extended to form upwardly-diverging portions 12, and these portions are longitudinally slotted, as indicated at 13, to receive the cross-head 14 on the rear end of a sliding rod 15, extending forward in substantially parallel relation to the upper frame-bar of the machine-frame. The ends of the cross-head 14 are threaded to receive nuts 16 to prevent their escape from the slots 13 of the portions 12. The rod 15 is deflected, as shown at 16', to pass around the seat-post tube or seat-post, as the case may be, and is pivotally connected at its forward end to one end of a thumb latch-lever 18, the latch 19 of which is pivotally mounted upon the lever and provided with a stud 20, adapted to pass through an opening 21 in the lever and engage one of a series of notches 22 in a disk 23, secured rigidly to a clip 24, embracing the upper frame-bar of the bicycle.

Secured to the clip 7 is a V-shaped spreader 25, preferably constructed from a piece of wire or rod, the terminals being attached to the clip, and the central portion of the wire being bent in the form of a V, so as to constitute forwardly-diverging side portions 26, which coöperate with the legs 1 as the latter are moved downward for spreading said legs and placing the lower ends thereof in contact with the ground at a distance from the wheel-base, thus giving the required lateral support to the base of the machine-frame.

From the foregoing description it will be seen that if the legs are in their upper or folded position and the thumb latch-lever is rocked so as to thrust the rod 15 rearwardly the cross-head 14 acts upon the slotted portions 13 of the legs to rock the outer ends of said legs downward, and in such downward movement the legs come in contact with the spreader and are thus forced apart until their lower ends come in contact with the ground

at points remote from the wheel-base. When the operation above described is reversed, the legs are carried upward, and at the same time are forced to fold inward toward each other until they approach each other sufficiently close to prevent them interfering with the movements of the rider in mounting and propelling the machine. The rearward and upward movement of the legs arises from the camming in the opposite direction of the upwardly-diverging and slotted portions 12 of the legs by the cross-head, the cross-head being guided by the eye-bearing 11, so as to effect this camming action. At the same time the nuts 16 bear upon the outside of the upwardly-diverging portions of the legs and insure their folding together.

It will of course be understood that the improved bicycle-support hereinabove described is susceptible of various changes in the form, proportion, and minor details of construction, which may accordingly be resorted to without departing from the principle or sacrificing any of the advantages of the invention.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. In a bicycle-support, the combination with a clip, of a pair of folding legs, a hinged support on which the legs are pivoted, a rod having a cross-head in sliding engagement with diverging portions of the legs for rocking them on the hinge, stops at the outer ends of the cross-head for closing the legs on a movement in one direction on the hinge, and means for separating the legs on their movement in the opposite direction, substantially as described.

2. In a bicycle-support, the combination

with a pair of crossed and pivoted legs, of a rod provided with a cross-head having a sliding engagement with the upper ends of said legs above their pivotal connection, means for operating said rod, and a V-shaped spreader for separating said legs in their downward movement, substantially as described.

3. In a bicycle-support, the combination with a clip for attachment to the rear braces of a safety-bicycle of a V-shaped spreader attached to said clip, a pair of supporting-legs having slotted diverging portions, a hinged connection between the clip and legs, a rod having a cross-head in sliding engagement with said slotted portions, stops at the outer ends of the cross-head to engage the outer sides of the slotted portions of the legs, and means for moving and holding said rod, substantially as described.

4. In a bicycle-support, the combination with a suitable clip, of a bolt extending therefrom, a pair of supporting-legs intersecting each other and pivotally mounted at their point of intersection on a bolt which is hinged to the first-named bolt, said legs being provided with slotted portions, a sliding rod having a cross-head working in said slotted portions, and a thumb latch-lever for operating and holding said sliding rod, all arranged for joint operation, substantially as described.

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

FRANK WALENTA.

Witnesses:

WILLIAM RILEY,
FRANK H. BARTLETT.