

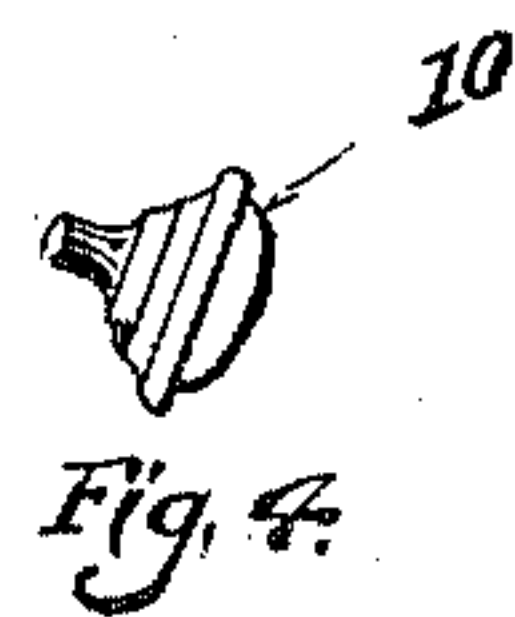
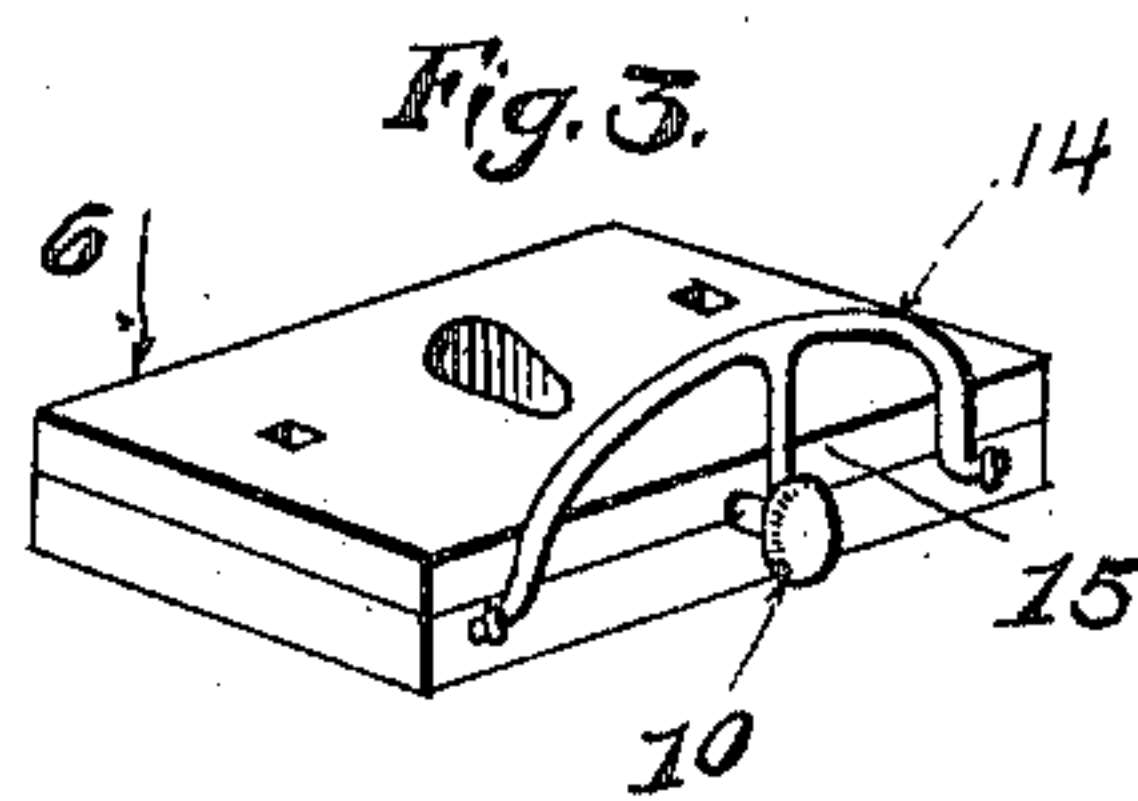
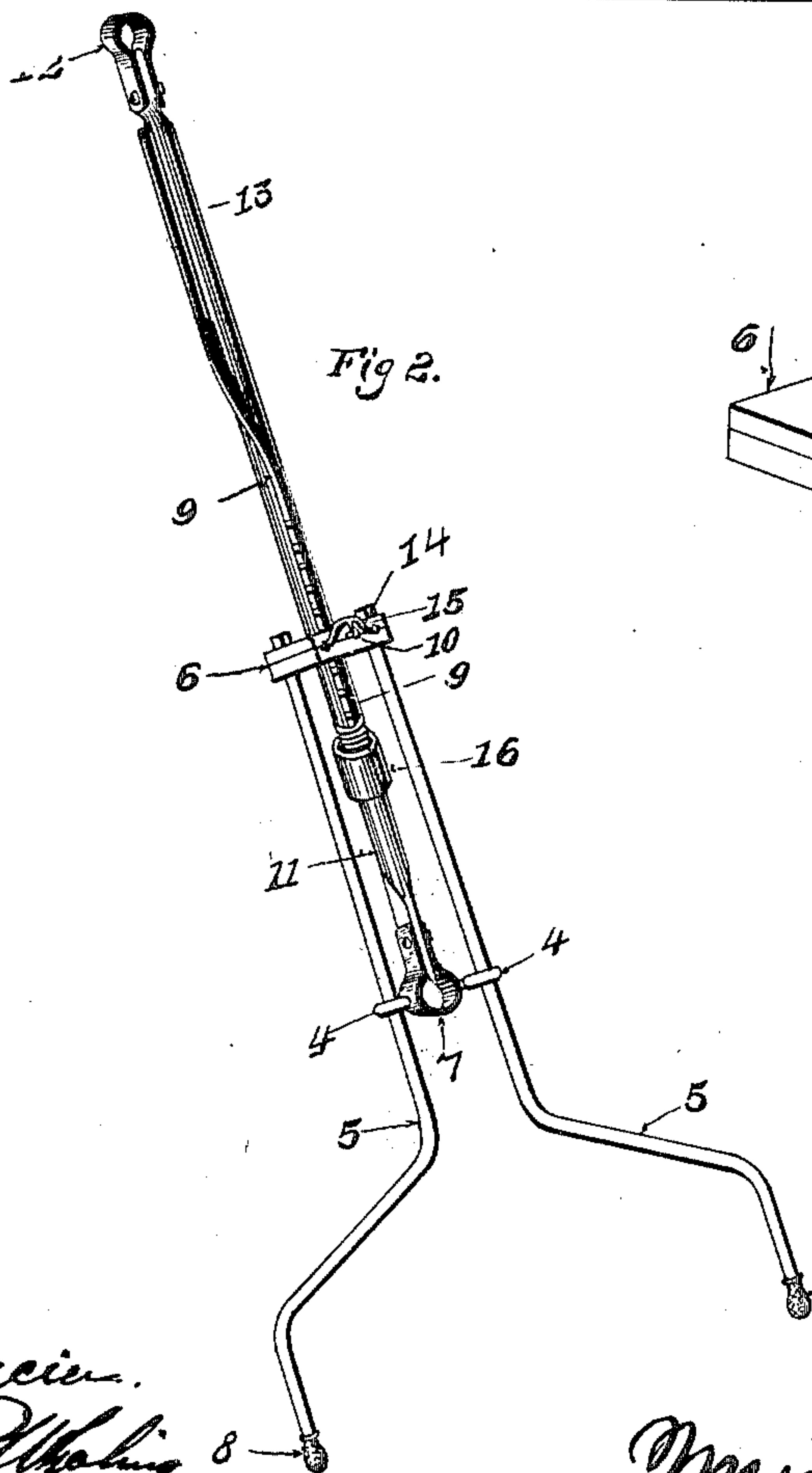
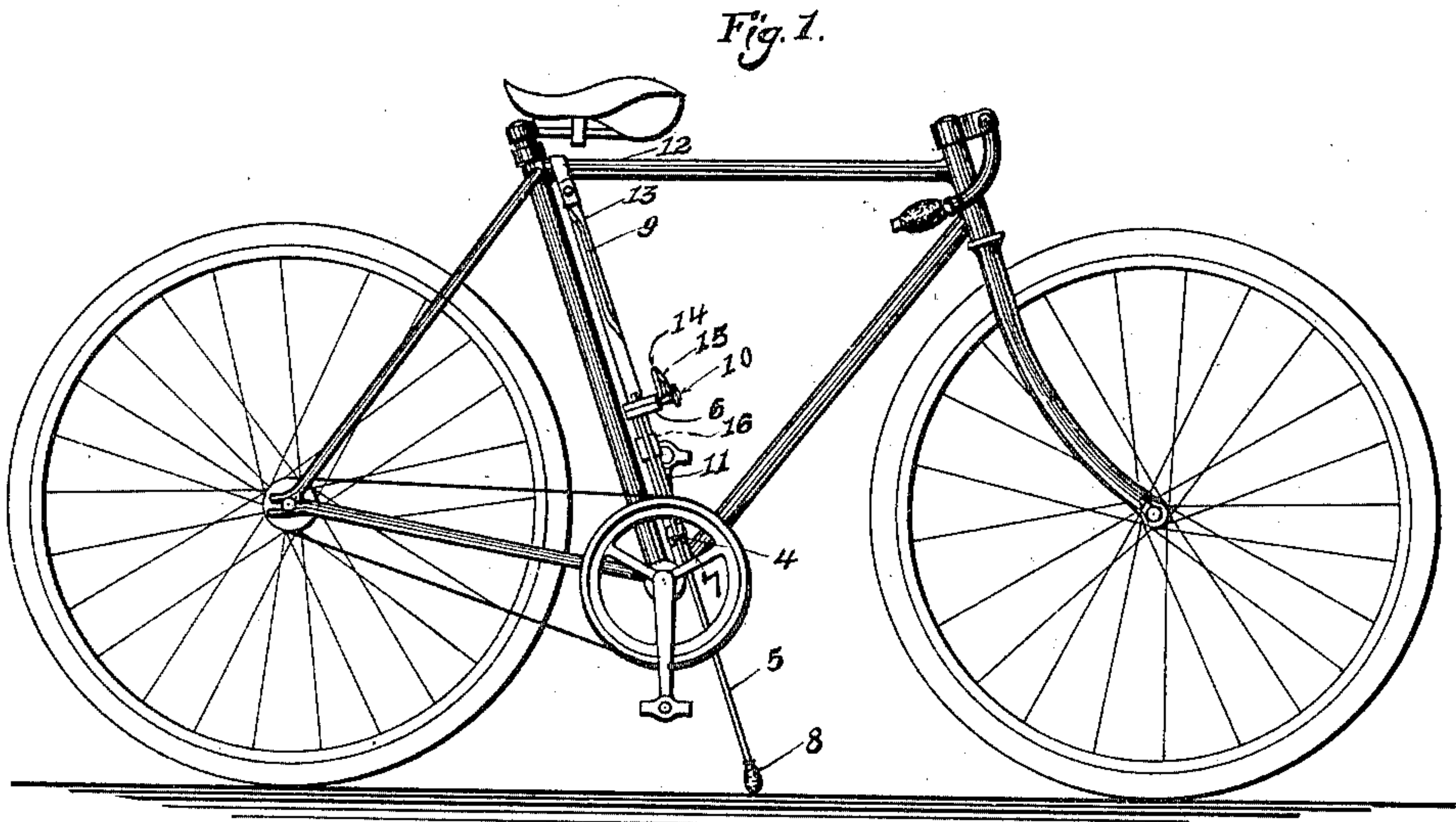
No. 661,233.

Patented Nov. 6, 1900.

M. WHALING.
STANDING ATTACHMENT FOR BICYCLES.

(Application filed Oct. 11, 1899.)

(No Model.)



Witnesses:

George H. McCain.
Emmett Whaling

Inventor:

Michael Whaling

UNITED STATES PATENT OFFICE.

MICHAEL WHALING, OF AMSTERDAM, NEW YORK, ASSIGNOR TO LAURA WHALING, OF SAME PLACE.

STANDING ATTACHMENT FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 661,233, dated November 6, 1900.

Application filed October 11, 1899. Serial No. 733,338. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL WHALING, a citizen of the United States, residing at Amsterdam, in the county of Montgomery and State of New York, have invented certain new and useful Improvements in Standing Attachments for Bicycles, 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 new and useful improvements in supports for bicycles, &c.; and its primary object is to provide a device of this character which is secured to the frame of the machine at all times and which may be readily lowered into operative position and locked therein.

The device is so constructed and mounted as to be removed out of the way of the rider when not in use and may readily be attached to bicycles of any construction.

To these ends the invention consists in the novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, showing the preferred form of my invention, and in which—

Figure 1 is a side elevation thereof in use upon a bicycle. Fig. 2 is a perspective view thereof detached. Fig. 3 is a similar view of the sliding block, and Fig. 4 is a perspective view of a key.

Referring to said figures by numerals of reference, 13 is a central or main rod which is of any desired length and threaded at its lower end, said end engaging with a coupling-ferrule 16, secured to the upper end of a stem 11, to the free end of which is pivoted a clamp 7, formed of any suitable material and having eyelets 4 pivoted to the opposite sides thereof and projecting therefrom. The upper end of the central rod 13 is also provided with a clamp 12, which is similar in construction to the clamp 7, hereinbefore referred to. A rib or worm 9 extends longitudinally of the rod 13 and makes a one-quarter turn therearound. This rib is provided with teeth near the upper and lower ends thereof, which are for the purpose hereinafter described.

Mounted upon the central rod 13 is a plate 6, having a passage therein for the reception

of said rod and the rib thereof. Fastened within the plate 6, which is preferably formed of two similar portions bolted together, is a set-screw operated by means of a detachable handle 10, as shown. Secured to the plate 6, at opposite sides thereof, are downwardly-extending parallel rods which pass through the eyes 4, pivoted at opposite sides of the lower clamp 7, and then extend outwardly in opposite direction, as at 5, and thence downward, the ends thereof being provided with suitable tips 8, formed of rubber or other desired material.

The operation of the device will be fully understood from the foregoing description when taken in connection with the accompanying drawings.

The clamp 12 is secured to the upper horizontal bar of the frame, and the lower clamp 7 is secured to the lower bar thereof. The foot-rods 5 are normally held on each side of the frame of the velocipede and above and forward of the crank-shaft. It will be understood that by pressing the plate 6 downward the same in sliding along the rib 9 of the rod 13 will cause the rods to spread equally on each side of the frame and at the same time the lower ends thereof will be brought to the surface and may be held in such position by means of the set-screw, which engages with the teeth upon the rib and is operated by means of key 10. It will be seen that when the movement of the plate is reversed the rods 5 will be drawn upward and the rib will cause the same to make a one-half turn, thereby bringing the rods into the position shown in Fig. 2.

The device is simple in construction and in operation and is perfectly adapted to accomplish the result for which it is intended. In lieu of constructing this device as an attachment the same may, if desired, be formed as a part of the velocipede.

In the foregoing description I have shown the preferred form of my invention, but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

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

1. In a device of the character described,
5 the combination with a rod having a clamp at each end; of eyes pivoted to opposite sides of the lower clamp; a rib extending longitudinally of, and partly encircling, the rod; a plate mounted upon the rod and engaging
10 the rib; and foot-rods secured to said plate and slidable within the eyes of the clamp.

2. In a device of the character described, the combination with a rod having a clamp at each end; and eyes pivotally secured to
15 opposite sides of the lower clamp; of a rib extending longitudinally of, and partly en-

circling, the rod; teeth formed within the rib; a plate mounted upon the rib and guided thereby; means within the plate adapted to engage the teeth of the rib; and outwardly-
20 extending rods secured to the plate and slidably mounted within the eyes of the lower clamp.

In testimony that I claim the foregoing as my invention I have signed my name, in pres-
25 ence of the subscribing witnesses, this 6th day of September, A. D. 1899.

MICHAEL WHALING.

Witnesses:

JAMES W. FERGUSON,
HARRY SHERBURNE.