(No Model.)

F. JOHNSON.

ADJUSTABLE HANDLE BAR FOR BICYCLES.

No. 602,015. Patented Apr. 5, 1898.

Fig. 1.

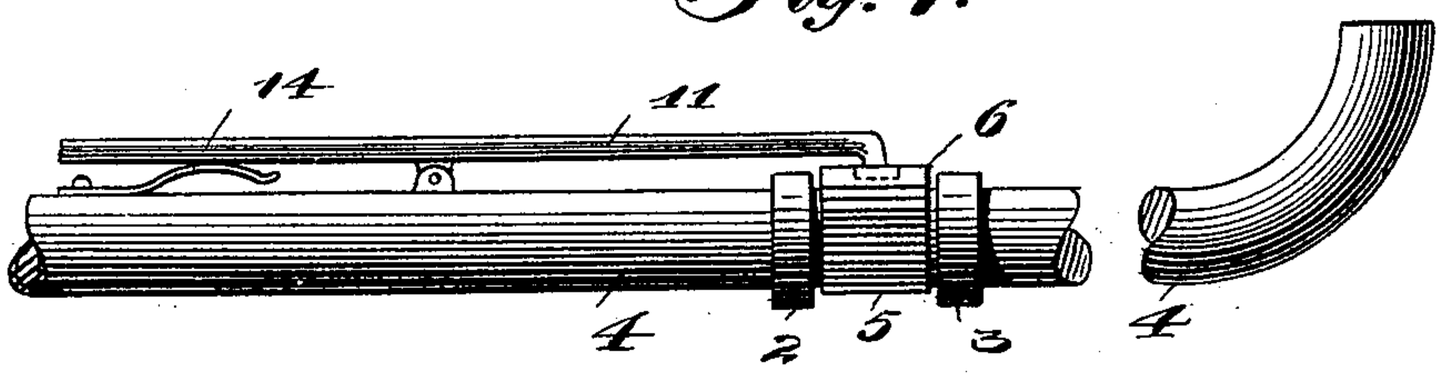


Fig 2

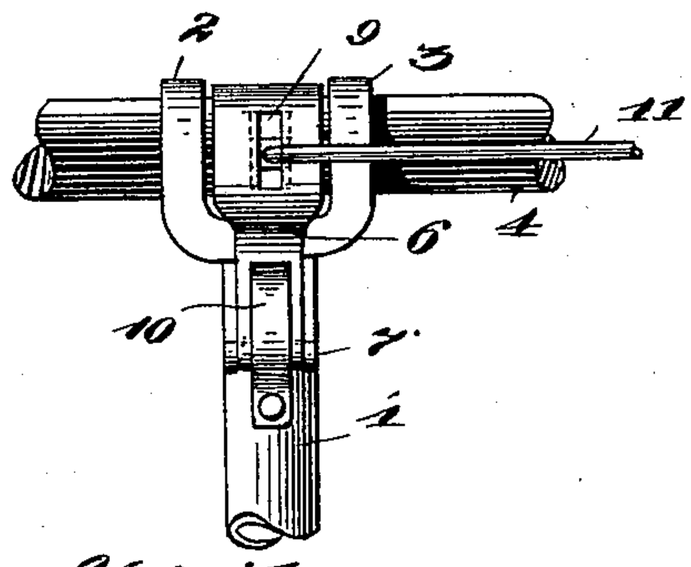
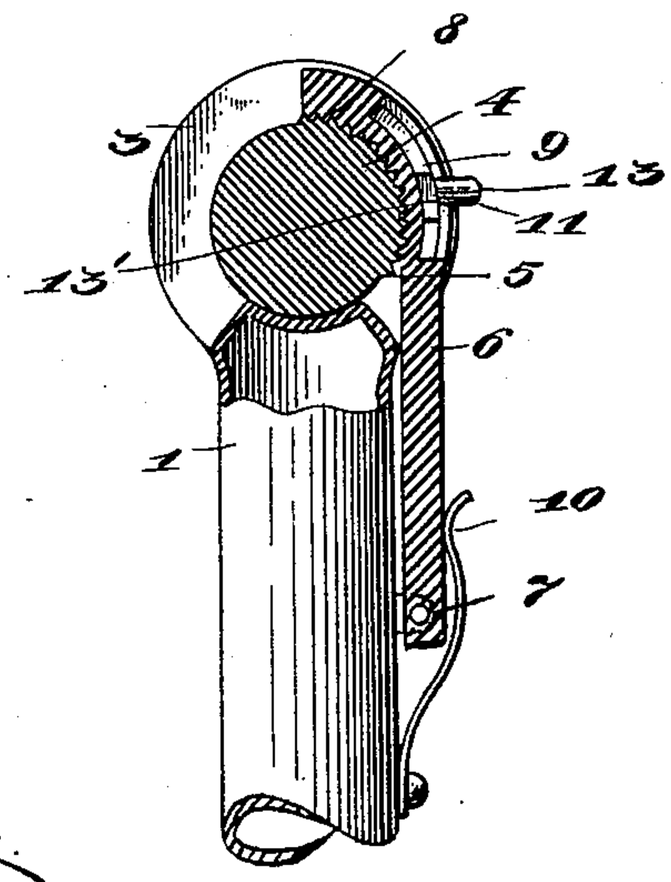


Fig. 3



WITNESSES

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FRANK JOHNSON, OF RHINELANDER, WISCONSIN.

ADJUSTABLE HANDLE-BAR FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 602,015, dated April 5, 1898.

Application filed August 11, 1896. Serial No. 602,426. (No model.)

To all whom it may concern:

Be it known that I, FRANK JOHNSON, a citizen of the United States, residing at Rhinelander, in the county of Oneida and State of Wisconsin, have invented certain new and useful Improvements in Adjustable Handle-Bars for Bicycles; 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.

My invention relates to adjustable handle-bars for bicycles.

My object is to provide an extremely simple and cheap handle-bar which can be held firmly locked in any desired position, but is adapted to be manipulated quickly and easily, so that it may be adjusted satisfactorily to the rider.

Having this object in view, my invention consists, in combination with a steering-head and a handle-bar journaled therein, being provided with teeth, of a spring-pressed clamp having teeth and normally in engagement with the teeth of the handle-bar and means for releasing said engagement whereby said handle-bar can be adjusted as desirable.

The invention further consists of certain details of construction and novel combinations of parts appearing more fully in the following description, the appended claim, and the accompanying drawings, in which—

Figure 1 is a plan view; Fig. 2, a rear view in elevation, and Fig. 3 a view in cross-section.

The numeral 1 designates a steering-head of ordinary construction, which is provided with two annular clips 2 and 3, and in these clips is journaled a handle-bar 4, which is provided with an arc-shaped rack 5, which is located between the clips.

The numeral 6 designates a locking-plate which is hinged at 7 to the steering-head, being arc-shaped and provided with a rack 8 on its inner face, which is adapted to engage with the rack of the handle-bar. In the rear face of this locking-plate there is provided a vertically-extending longitudinal slot 9.

The numeral 10 designates a ribbon-spring which has its lower end secured to the steering-head and its upper end pressing slidably against the locking-plate, said spring being of sufficient strength to keep the locking-plate normally in firm engagement with the rack of the handle.

The numeral 11 designates a lever which is pivoted to the handle-bar 4 and is provided with a finger 13 on its free end, said finger being located in the slot and slidable therein and having a head 13′, which prevents it from pulling out of the slot, said lever being pressed by a spring 14 in such manner that the finger is normally in the slot.

When it is desired to adjust the handle-bar, the lever is manipulated against the action of its spring, so that the locking-plate is pulled out of engagement with the rack of the handle-bar, whereupon the latter can be turned as desirable, and when the lever is released the locking-plate will spring back into engagement with the bar and the latter will be held in adjustable position.

It is obvious that slight and immaterial changes of construction might be resorted to in carrying out my invention without detracting from any of its advantages, and hence I am to be understood as claiming all those varied constructions which come within the spirit and scope of my invention.

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

The combination with a steering-head, of a handle-bar journaled therein and provided with a rack, a locking-plate hinged to the steering-head and provided with teeth and a vertical elongated curved slot, a spring for keeping the teeth of the locking-plate normally in engagement with the rack of the handle-bar, a lever pivoted to the handle-bar and provided with a finger which works in the slot of the locking-plate and has a head on its end to prevent detachment from the locking-plate, and a presser-spring for said lever.

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

FRANK JOHNSON.

Witnesses:

PETER A. BROWN,

GEO. BURKHART.