

No. 613,675.

Patented Nov. 8, 1898.

M. GUTOWITZ.
SUPPORT FOR BICYCLES.

(Application filed Mar. 30, 1897.)

(No Model.)

Fig. 1.

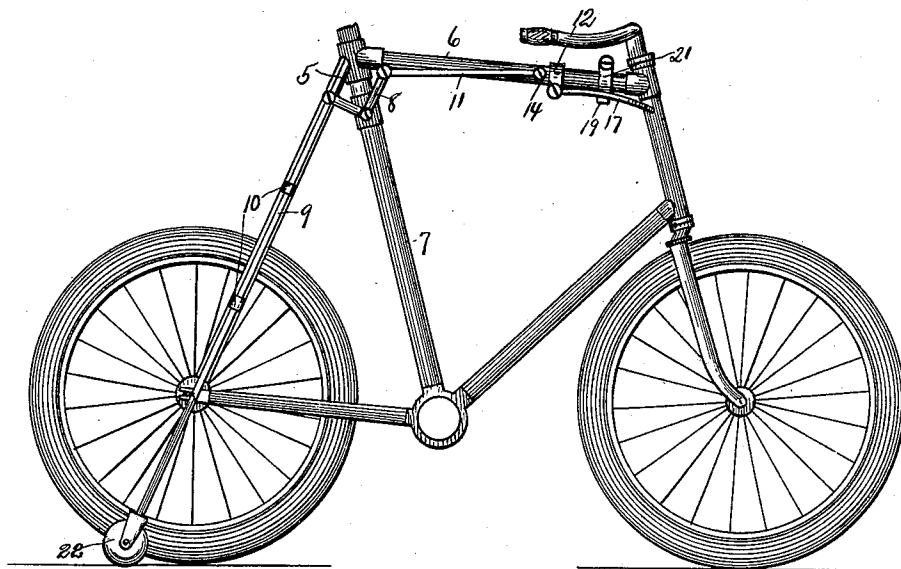


Fig. 2.

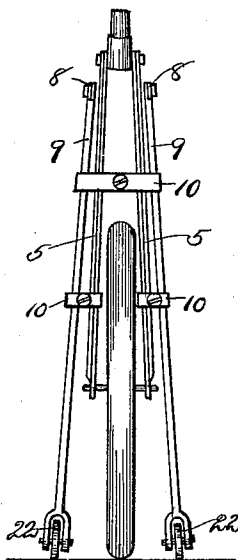


Fig. 3.

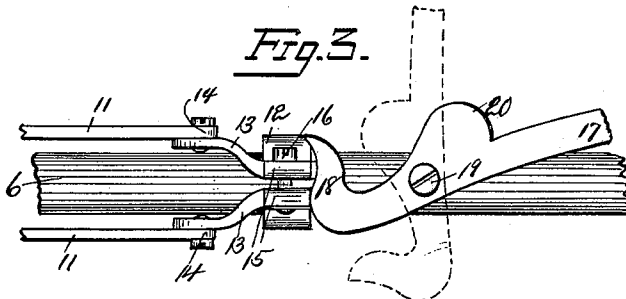
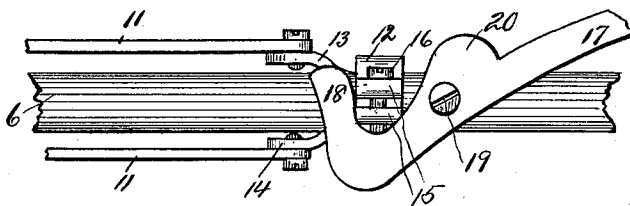


Fig. 4.



Witnesses
Albert Popkin
V. M. Foster.

Inventor
Morris Gutowitz,
By Edgar Sater
His Attorneys

UNITED STATES PATENT OFFICE.

MORRIS GUTOWITZ, OF AMITYVILLE, NEW YORK.

SUPPORT FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 613,675, dated November 8, 1898.

Application filed March 30, 1897. Serial No. 629,923. (No model.)

To all whom it may concern:

Be it known that I, MORRIS GUTOWITZ, a citizen of the United States, residing at Amityville, in the county of Suffolk and State of New York, have invented certain new and useful Improvements in Supports for Bicycles and Similar Vehicles, 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 supports for bicycles and similar vehicles; and the object thereof is to provide an improved device of this class which is adapted to be connected with the frame of the vehicle and to act as a support therefor, so as to hold the vehicle in an upright position when not in motion, a further object being to provide a device of this class which may be used as an aid to beginners in learning to ride a bicycle.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a side view of an ordinary bicycle provided with my improved support; Fig. 2, a back view thereof; Fig. 3, a bottom plan view of the upper horizontal rod of the frame of the bicycle, showing that part of my improved support which is connected therewith and the method of its operation; and Fig. 4, a similar view showing the parts in a different position.

In the drawings forming part of this specification I have shown at 5 the rods which extend from the upper portion of the frame, near the seat-support, downwardly to the support of the axle of the drive-wheel, and at 6 the upper horizontal rod of the frame, and in the practice of my invention I pivotally connect with the rod 7, which extends from the support of the pedal-shaft to the seat-support and at each side thereof, a crank-lever 8. One arm of each of these crank-levers projects forwardly and the other backwardly, and pivotally connected with the backwardly-directed arm of each of said levers is a supporting-rod 9, and these rods 9 are passed downwardly and backwardly, parallel with the rods 5 of the frame of the vehicle, and through keepers 10, connected with said rods, two or more of which are employed on both sides, and the rods 9 are movable in the keepers 10.

The forwardly-directed arms of the crank-levers 8 are pivotally connected on each side of the frame with an operating-rod 11, and these rods are carried forwardly along the opposite sides of the rod 6 of the frame of the vehicle, and mounted on said rod 6 and adapted to slide thereon is a clamp-head 12, which is provided at each side with a backwardly-directed arm 13, and the backwardly-directed arms 13 of the clamp-head 12 are pivotally connected at 14 with the rods 11, which are pivotally connected with the crank-levers 8.

The clamp-head 12 is provided on its under side with downwardly-directed jaws 15, through which is passed a bolt or screw 16, and pivotally connected with the under side 6 of the frame of the vehicle is a lever 17, which is provided at its rear end with a hook or jaw 18, which projects transversely of the under side of the rod 6, and said lever is provided adjacent to its pivotal connection with the rod 6, at 19, with a circular lug or projection 20, which extends in the same direction as the hook or jaw 18, and the longer arm of said lever projects forwardly.

The lever 17 is preferably pivotally connected with a clamp 21, which is mounted on the rod 6 of the frame of the bicycle; but said lever may be connected directly with said rod, if desired, and the longer arm of said lever projects forwardly and is adapted to be turned by hand.

The lower ends of the rods 9 of the support come approximately to the ground and are provided with rollers or wheels 22, which are adapted to bear upon the ground under certain conditions, and when the clamp-head 12, which is free to slide on the rod 6, is moved forwardly the lower ends of the rods 9 will be raised from the ground, and when said clamp-head is moved backwardly the lower ends of the said rods will be lowered and the wheels or rollers will be forced in contact with the ground.

The clamp-head 12 may be locked in the forward position, as shown in Fig. 4, by means of the jaw or hook 18 of the lever 17, which is adapted to engage with the downwardly-directed jaws 15 of the clamp-head 12, or said clamp-head may be locked in its rearmost position by means of said lever, which may be manipulated so that the hook or jaw 18 will

pass between the pivotal point of the lever and the jaws 15 of said clamp-head, this position of the parts being shown in Fig. 3.

This device may be manipulated so that the rollers or wheels 12 will bear upon the ground, so as to hold the vehicle in an upright position whenever desired, and said device will be of great use to beginners by reason of the fact that it will serve to prevent the vehicle from falling, while at the same time it is adapted for use as a support for the vehicle when not in use.

My invention is not limited to the exact form and construction of the various parts herein shown and described, as it is evident that changes therein and modifications thereof may be made without departing from the spirit of my invention or sacrificing its advantages.

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

1. A support for bicycles or similar vehicles, consisting of crank-levers pivotally connected with the upper part of the frame at each side thereof, the arms of which project forwardly and backwardly, supporting-rods pivotally connected with the rear arms of said crank-levers, and extending downwardly and backwardly, and provided with rollers at their lower ends which are adapted to bear upon the ground, operating-rods connected with the forward arms of said crank-levers, and extending forwardly along the upper horizontal rod of the frame of the vehicle, a slide

mounted on said frame-rod and pivotally connected with said operating-rods, and means for locking said slide in the desired position, substantially as shown and described.

2. A support for bicycles and similar vehicles, consisting of crank-levers pivotally connected with the upper part of the frame at each side thereof, the arms of which project forwardly and backwardly, supporting-rods pivotally connected with the rear arms of said crank-levers, and extending downwardly and backwardly, and provided with rollers at their lower ends which are adapted to bear upon the ground, operating-rods connected with the forward arms of said crank-levers, and extending forwardly along the upper horizontal rod of the frame of the vehicle, a slide mounted on said frame-rod and pivotally connected with said operating-rods, and means for locking said slide in the desired position consisting of a lever pivotally connected with said frame-rod, and provided at one end with a hook or jaw which is adapted to operate in connection with jaws formed on said slide, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 26th day of March, 1897.

MORRIS GUTOWITZ.

Witnesses:

JEUL S. DAVIS,
CHARLES O. IRELAND.