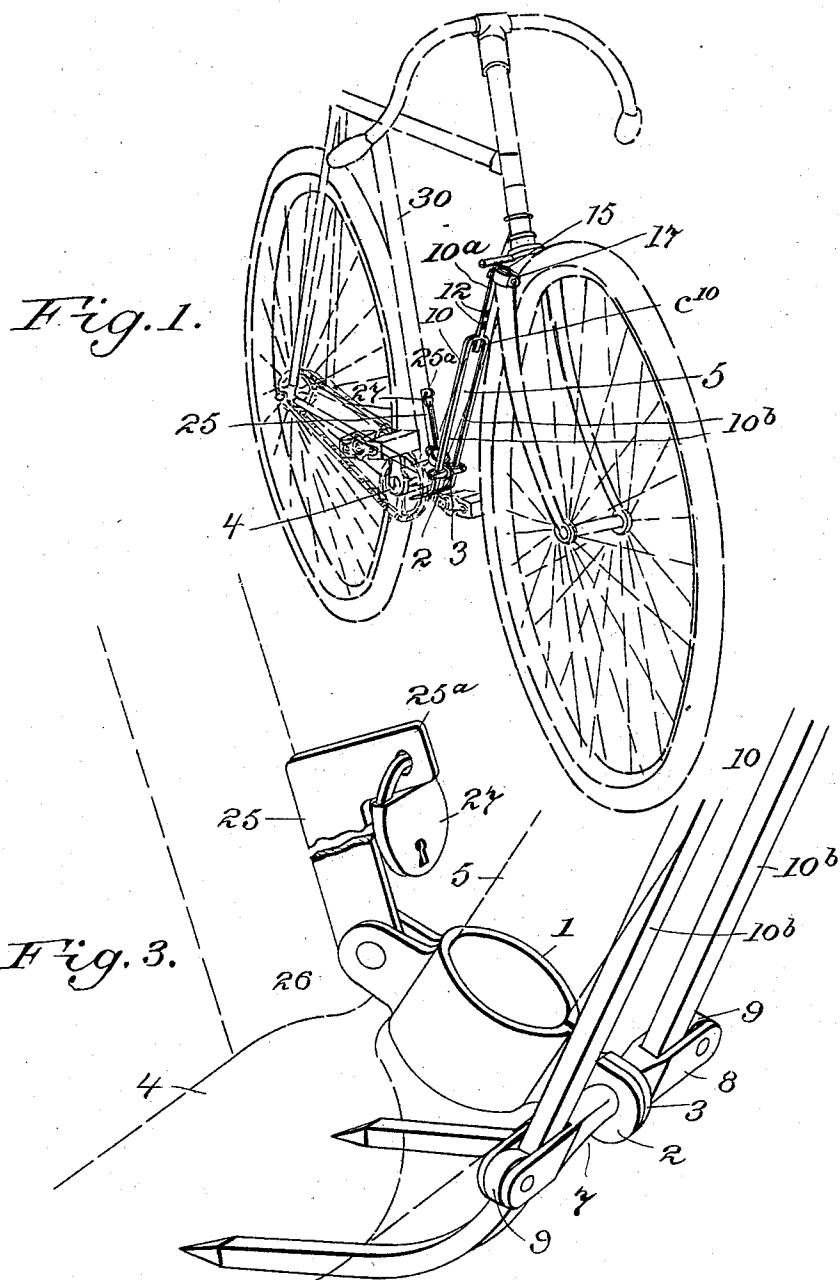


2 Sheets—Sheet 1.

No. 578,694.

Patented Mar. 9, 1897.



WITNESSES:

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INVENTOR

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ATTORNEYS

(No Model.)

2 Sheets—Sheet 2.

A. I. GALLAWAY.  
BICYCLE SUPPORT.

No. 578,694.

Patented Mar. 9, 1897.

Fig. 2.

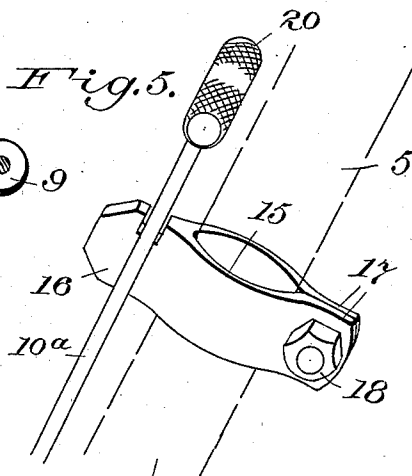
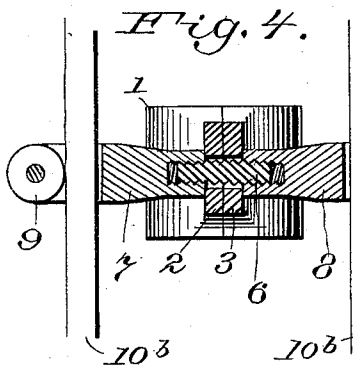
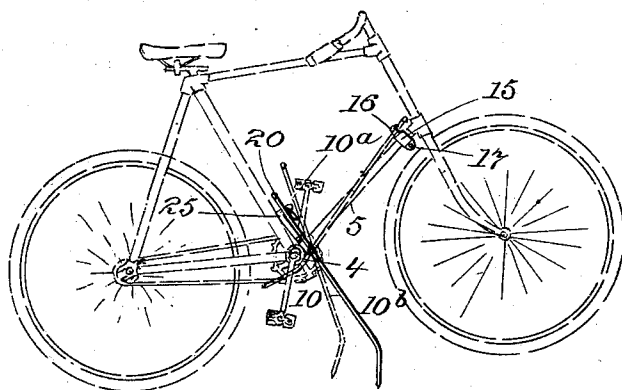
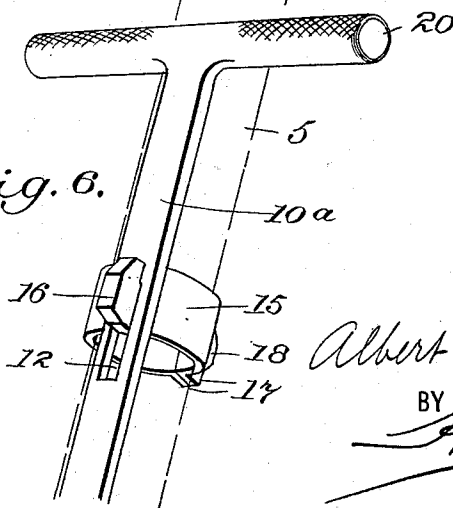


Fig. 6.



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# UNITED STATES PATENT OFFICE.

ALBERT I. GALLAWAY, OF MORRISTOWN, NEW JERSEY, ASSIGNOR OF  
ONE-HALF TO DAVID SAYRE ENSLEE, OF SAME PLACE.

## BICYCLE-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 578,694, dated March 9, 1897.

Application filed August 24, 1896. Serial No. 603,712. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT I. GALLAWAY, a citizen of the United States, residing at Morristown, in the county of Morris and State of New Jersey, have invented certain new and useful Improvements in Bicycle-Supports, of which the following is a specification.

The object of my invention is to provide a simple and effective bicycle-support which will hold a bicycle in upright position when not in use.

A further object of my invention is to provide an improved foot-rest for coasting in combination with the support.

In order that my invention may be fully understood, I will first describe the same with reference to the accompanying drawings and afterward point out the novelty with more particularity in the annexed claims.

In said drawings, Figure 1 is a perspective view of my improved supporting attachment, showing it in position on a bicycle, the bicycle being indicated in dotted lines. Fig. 2 is a side elevation of the same, indicating the operative and inoperative positions of the attachment. Fig. 3 is an enlarged detail perspective view of part of the same, showing particularly the swivel-guides for the supporting-arms. Fig. 4 is an enlarged detail sectional view of said swivel-guides. Figs. 5 and 6 are enlarged detail side elevation and front perspective views of the combined coasting foot-rest and operating-handle and locking attachment for holding the device in operative position.

The essential novelty in my present invention consists of guides swiveled to the machine-frame and having the supporting-arms slidingly mounted in the guides, so that said supporting-arms can be held in inoperative position against the forward lower reach or bar of the diamond truss-frame and be thrown down into operative position by the movement of the swivel-guides and of the arms sliding in the guides.

1 is a split ring or collar formed with perforated ears or lugs 2 3 and adapted to be clamped around the lower forwardly-extending reach or bar of the diamond truss-frame of a bicycle. 5 represents this reach of the bicycle-frame indicated by dotted lines. The

collar or ring 1 is secured to the reach 5 close to the crank-bearing 4 of the bicycle-frame. The collar or ring 1 is secured in position by means of my improved swiveled guide, comprising an externally-threaded bolt 6, passing through the perforations of the ears or lugs 2 3 and the guide brackets or arms 7 8, having the internally-threaded openings in their inner ends, which are threaded upon the bolt 6 and clamped against the ears 2 and 3 for clamping the collar 1 in position and supporting the arms 7 and 8 therefrom. The outer ends of the arms 7 and 8 are bifurcated, and journaled in the bifurcated outer ends are antifriction-rollers 9.

The support proper comprises a Y-shaped frame 10. The Y-shaped support 10 has a bar 10<sup>a</sup>, from which extend the integral arms 10<sup>b</sup>, the arms 10<sup>b</sup> passing through the guide arms or brackets 7 8 and having their lower ends curved rearwardly and pointed.

It will be observed that the swivel-bolt 6 extends transversely of the machine to enable the supporting-arms 10<sup>b</sup> to swing vertically in the longitudinal plane of the bicycle. The purpose of this is to make it possible to secure the supporting-arms to the vertical post of the bicycle-frame when in lowered position and to the lower forward reach of the frame when in elevated position.

12 12 are slots formed in the bar 10<sup>a</sup>.

15 is a split ring or collar formed with a hook 16 on its forward face and the perforated ears or lugs 17, through which pass the clamping-bolt 18, by means of which said ring 15 is secured to the upper end of the forward reach of the machine-frame. The slots 12 are adapted to engage the hook 16 for holding the supporting-arms in elevated position, as indicated in Figs. 1, 5, and 6.

20 is a cross-bar formed on the upper end of the bar 10<sup>a</sup> and serving the purpose of a handle by means of which the support is operated and also the coasting foot-rest.

25 is a locking-bar pivoted between lugs 26, formed on the forward face of ring 1, the bar 25 having a forward bent end 25<sup>a</sup>. By reason of the pivotal connection of the bar 25 with the lugs 26 said bar can be adjusted to a proper angle to suit any machine to which the support is attached.

When the support is placed in operative position, the bars 10<sup>b</sup> slide through the brackets 7 and 8, and said brackets are turned on their swivel-joints to bring the bar 10<sup>a</sup> parallel with the truss-brace 30 of the machine-frame, when the projection 26 of bar 25 will engage one of the slots 12 and hold the attachment in lowered position. A padlock 27 can then be locked in place to secure the support in lowered position and prevent the wheeling off of the bicycle.

The bars 10<sup>b</sup> are formed of square cross-section and are preferably of wrought iron or steel, rendering them strong enough to support the bicycle even when the rider is seated upon it. This is particularly desirable to facilitate photographing a rider mounted upon his wheel. The rigidity of the support is further insured by the integral lug or lip 10<sup>c</sup> in the crotch of the Y-shaped support coming in contact with and bracing against the locking-plate 25. The pointed ends of the supporting-arms act as claws, which are embedded in the earth or floor with the weight of a person upon the seat.

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

1. In a bicycle-support, the combination of a guide swiveled to the main frame upon a transverse horizontal pivot, the supporting-arms slidingly engaging said swivel-guide and adapted to swing vertically thereupon in the longitudinal plane of the bicycle, a securing device on the lower forward reach of the bicycle-frame adapted to secure the supporting-arms in elevated position, and a fastening device adjacent to the swivel-guide adapted to secure said supporting-arms in lowered position, substantially as set forth.

2. In a bicycle-support, the combination of the adjustable supporting-arms, means for securing the arms in elevated position, and a swiveled guide for said arms comprising a split ring or collar having perforated ears, the threaded bolt passing through said ears,

and guide arms or brackets having threaded openings working upon the threaded bolt and securing the split ring to the machine-frame, substantially as set forth.

3. In a bicycle-support, the combination of the adjustable supporting-arms, means for securing the arms in elevated position, and a swiveled guide for said arms comprising a split ring or collar having perforated ears or lugs, the threaded bolt passing through said lugs, and the guide-brackets having bifurcated ends in which are journaled anti-friction-rollers, and threaded openings which work upon the ends of the threaded bolts and secure the ring or collar to the machine-frame, substantially as set forth.

4. In a bicycle-support, the combination of suitable supporting-arms, guides swiveled to the bicycle-frame upon a transverse horizontal pivot, said supporting-arms slidingly engaging the guides and adapted to swing in the longitudinal plane of the bicycle, means for supporting said arms in elevated position, and a pivotally-mounted fastening-plate secured to the bicycle-frame adjacent to the swivel-guides and adapted to engage the supporting-arms for locking them in lowered operative position, said fastening-plate being pivoted to enable it to automatically adjust itself to the formation of the bicycle-frame, substantially as set forth.

5. In a bicycle-support, the combination of the supporting-arms, guides in which the supporting-arms are adjustably mounted, means for securing the arms in elevated position, a ring or collar secured to the machine-frame adjacent to the crank-bearing, a plate formed with a right-angled projection and pivoted to said ring or collar, and means of engagement between the supporting-arms and the right-angled projection of said plate, substantially as set forth.

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Witnesses:

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