

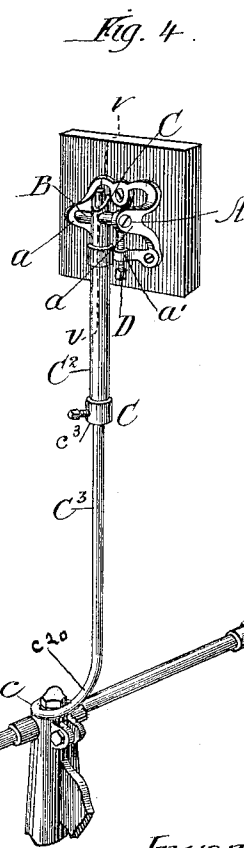
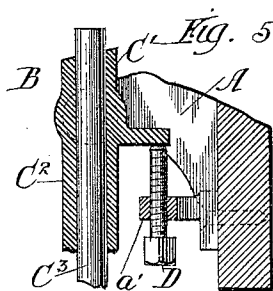
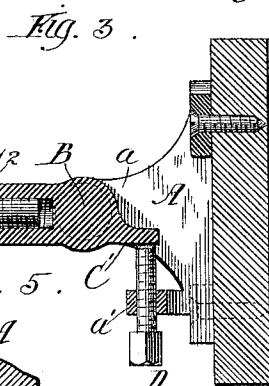
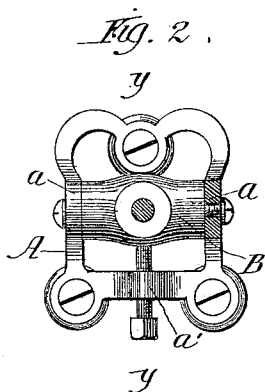
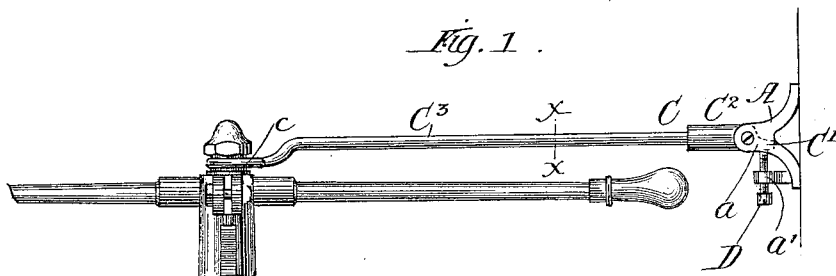
(No Model.)

T. B. JEFFERY.

BICYCLE HOLDER.

No. 371,326.

Patented Oct. 11, 1887.



Witnesses:

Frank J. Blanchard
William F. Kinner

Inventor:

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UNITED STATES PATENT OFFICE.

THOMAS B. JEFFERY, OF CHICAGO, ILLINOIS.

BICYCLE-HOLDER.

SPECIFICATION forming part of Letters Patent No 371,326, dated October 11, 1887.

Application filed April 17, 1886. Renewed March 16, 1887. Serial No. 231,185. (No model.)

To all whom it may concern:

Be it known that I, THOMAS B. JEFFERY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Bicycle-Holders, which are fully set forth in the following specification, reference being had to the accompanying drawings, wherein—

Figure 1 is a side elevation showing my device connected to and supporting a bicycle. Fig. 2 is a front elevation, the rod or link being shown in section, as at *x x*, Fig. 1. Fig. 3 is a vertical section through *y y*, Fig. 2. Fig. 4 is a preferred form of the latch or link-rod having a wide range of adjustability to different sizes of wheels. Fig. 5 is a vertical section through *v v*, Fig. 4.

A is a bracket designed to be secured against a wall or post. In its lugs *a a* is journaled the short rock-shaft or pivot B, which has the lever-arm C, hereinafter named a "latch," at whose free end is formed the eye *c*. Inside—*i. e.*, toward the wall from—the rock-shaft B there is formed rigid with it the short lever-arm C', which may be regarded as a heel or extension of the lever-arm or latch C. Below the plane of the rock-shaft B the bracket A has the lug *a'*, in which is set the screw D, which may be adjusted against the heel C' and limit the upward or outward oscillation of the latch C.

As shown in Figs. 1, 2, and 3, the rock-shaft B is made integral with a socket, C², which forms part of the lever-arm C, and into which the other part, C³, having the eye *c*, is inserted. In the form shown in Figs. 4 and 5 this socket is of greater length and forms a considerable part of the lever-arm or latch, and is bored through across the rock-shaft, and thus becomes a sleeve in which the outer part, C³, is adjustable longitudinally, being secured at any desired point by the set-screw *c'* in the sleeve.

The eye *c* is designed and adapted to receive any terminal fitting or protuberance at the upper part of the head of a bicycle, and as such vehicles are now commonly constructed the cap nut or head of the center bolt at the upper end of the head of the machine affords convenient point of connection with the latch by slipping the eye *c* over the head of such

bolt or nut, as seen in Figs. 1 and 4. The sleeve C² permits the adjustment of the latch to bring the eye *c* nearer to or farther from the rock-shaft to accommodate vehicles of different sizes, or different positions of the same vehicle.

To hold the eye *c* over the bolt-head with some force, so that it may not be accidentally displaced and allow the bicycle to fall, the screw D may be set up against the heel C', as seen in Figs. 3 and 5. The spring of the rod or latch C will permit the eye to be disengaged from the bolt, and when the vehicle is removed the latch may hang pendent, as in Fig. 4. Said Fig. 4, however, also illustrates a modification which increases the range of adjustability of the device to bicycles of different heights. The free end of the latch C is bent, as at *c'*, so that the eye *c* is approximately horizontal when the latch hangs pendent, and is therefore in position to engage the bolt-head of the bicycle while the latch is thus either directly or obliquely pendent. When thus used, the rod C³ will be adjusted in the sleeve C² for vehicles of different heights. In order to be used thus, the sleeve need not be pivoted to the bracket, but may be rigid, or even integral; but when pivoted it is rendered sufficiently rigid by the engagement of the stop D with the heel C', which, in this form, is preferably located at right angles to the latch, as shown in Fig. 5; but when it is desired to use the same latch more nearly horizontal the screw D may be withdrawn far enough to allow the heel C' to pass by it as the latch is swung up, and the screw being then advanced again may engage with the other heel C' in line with the latch.

The angle at which the eye is bent in the form shown in Fig. 4 will determine how far out from the wall the latch may be swung without being unavailable for its purpose, and the bend *c'* may be adapted to the circumstances in which the holder is to be used.

I claim—

1. A bicycle-holder consisting of an overhanging arm pivoted at its supported end and vibrating in a vertical plane, and provided at its free end with an eye, substantially as and for the purpose set forth.

2. A bicycle-holder consisting of an overhanging arm pivoted at its supported end and

provided near its pivot with a stop to limit its upward oscillation, and provided at its free end with an eye, substantially as and for the purpose set forth.

5 3. A bicycle-holder consisting of an overhanging arm or rod pivoted at its supported end and provided with an adjustable stop near its pivot to limit its upward oscillation at a predetermined point, and provided with an
10 eye in its free end, substantially as and for the purpose set forth.

4. A bicycle-holder consisting of an overhanging arm pivoted at its supported end and oscillating in a vertical plane, and provided
15 with a heel or extension beyond its pivot and having an eye in its free end, in combination with an adjustable stop fixed near its pivot-bearings to engage the heel and limit the upward oscillation of the free end, substantially
20 as set forth.

5. In combination, substantially as set forth, a bracket, a horizontal rock-shaft bearing therein, and the rod or latch having an eye at the end and longitudinally adjustable in a
25 transverse slide bearing on the rock-shaft.

6. A bicycle-support consisting of a bracket and an arm supported at one end thereon and adjustable longitudinally through its support, and provided at the other end with an eye to engage a projection on the bicycle, substantially as set forth. 30

7. In combination, substantially as set forth, the bracket, the sleeve pivoted thereon and oscillating in a vertical plane, and the latch longitudinally adjustable through the sleeve
35 and having the eye in the free end.

8. In combination, substantially as set forth, the bracket, the sleeve pivoted thereon and oscillating in a vertical plane and having the heel beyond the pivot, the stop-screw and the
40 latch longitudinally adjustable through the sleeve and having the eye in its free end.

Witness my hand, in presence of two witnesses, at Chicago, Illinois.

THOS. B. JEFFERY.

Attest:

CHAS. S. BURTON,
CHAS. S. NEEROS.