(No Model.)

J. M. CASSIDY.

BICYCLE PEDAL.

No. 576,548. Patented Feb. 9, 1897.

Fig. 1.

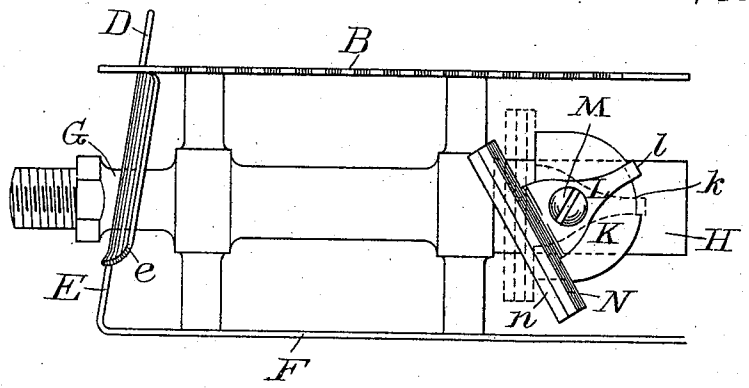


Fig. 2.

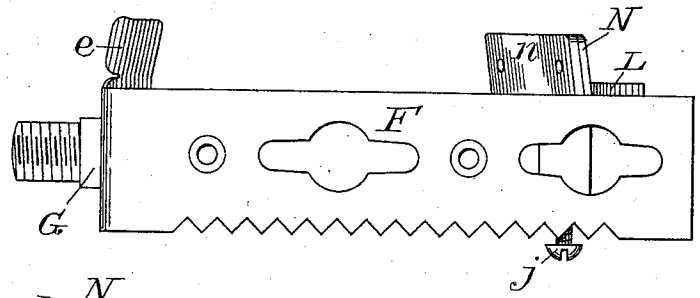
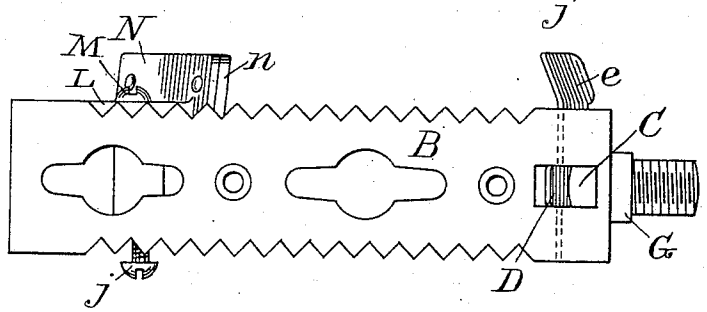


Fig. 3.



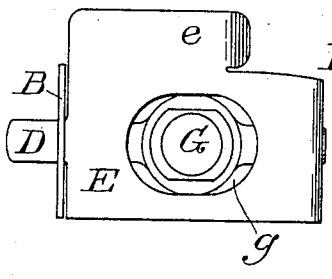


Fig. 4.

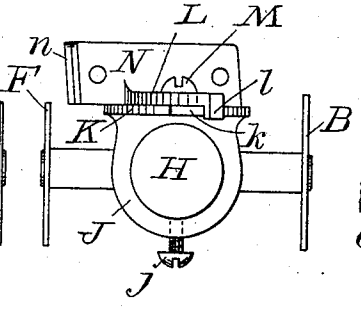


Fig. 5.

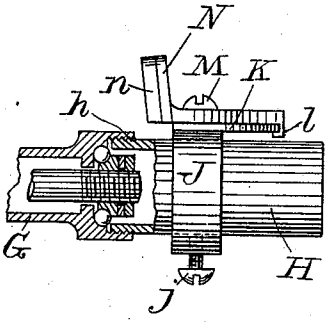


Fig. 6.

Witnesses:
J. W. Fisher.
W. G. Brown

Inventor,
James M. Cassidy.
by Ward & Cameron.
Attorneys.

UNITED STATES PATENT OFFICE.

JAMES M. CASSIDY, OF ALBANY, NEW YORK.

BICYCLE-PEDAL.

SPECIFICATION forming part of Letters Patent No. 576,548, dated February 9, 1897.

Application filed October 22, 1896. Serial No. 609,865. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. CASSIDY, a citizen of the United States, residing in the city and county of Albany, State of New York, have invented a new and useful Improvement in Bicycle-Pedals, of which the following is a specification.

My invention relates to improvements in mechanism for holding the foot in contact with the bicycle-pedal; and the object of my invention is to provide a retaining device by the operation of which the foot of the rider may be held in constant contact with the pedal, may be disengaged therefrom readily, and which is adjustable. I attain this object by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a plan. Fig. 2 is a side elevation. Fig. 3 is an elevation of the side opposite that shown in Fig. 2. Fig. 4 is an end view. Fig. 5 is a view of the end opposite that shown in Fig. 4, and Fig. 6 is a detail view, partly in section.

Similar letters refer to similar parts throughout the several views.

The frame of the pedal consists of the side piece B, usually serrated, which has near one end, preferably, a slotted opening C, adapted to receive the projecting strip D on the end of the resilient clip E, which clip E is usually constructed by prolonging the side piece F and bending it over, allowing its end D to enter the slot C in the opposite side piece B, but I do not limit myself to this construction, the pedal-spindle G passing through the opening *g* in the clip E.

The clip E is so constructed that its resiliency will tend to force the strip D toward the opposite end of the pedal, as shown in Fig. 1. The upper portion of the clip E is provided with an inwardly and upwardly extending flange *e*.

Near one end of the pedal-spindle I secure the support H, usually by means of screw-threads *h*, and on the support H, which may be cylindrical, as shown in the drawings, or of any suitable conformation, I place the collar J, adjusted by means of a set-screw *j* or in any suitable manner, the collar carrying the plate K, usually provided with a recess *k* along its periphery, within which may reciprocate a lug *l* at or near the end of the arm L, said arm pivoted at M to the collar J and attached to the upwardly and inwardly projecting clip N, usually provided along the surface adapted to come in contact with the shoe of the rider with a rubber or other yielding elastic substance *n*. As thus arranged it is apparent that by forcing the shoe between the clip E and the clip N, the collar J being adjusted in the proper position, the shoe will be clamped securely to the pedal and the foot of the rider will be prevented from leaving the pedal in the operation of the machine. If, however, it is desirable to dismount quickly, the side motion of the foot, turning the foot outward and lifting the sole of the shoe upward on one side, thus pressing against the clip E, will immediately release the foot.

It is extremely necessary in providing a retaining device for a pedal that the contact may be easily and quickly broken, since it is often necessary to jump from the wheel to avoid collision.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a bicycle-pedal, a clip forming a continuation of one side of the pedal arranged to engage with the opposite side of said pedal and to come in contact with one side of the shoe of the rider, with a clip adapted to be adjusted to the pedal, with a means for limiting the motion of said last-mentioned clip, substantially as described and for the purpose set forth.

JAMES M. CASSIDY.

Witnesses:
FREDERICK W. CAMERON,
GRACE T. MANY.