

(No Model.)

A. A. BAILEY.
TOE CLIP FOR BICYCLE PEDALS.

No. 553,638.

Patented Jan. 28, 1896.

FIG. 3.

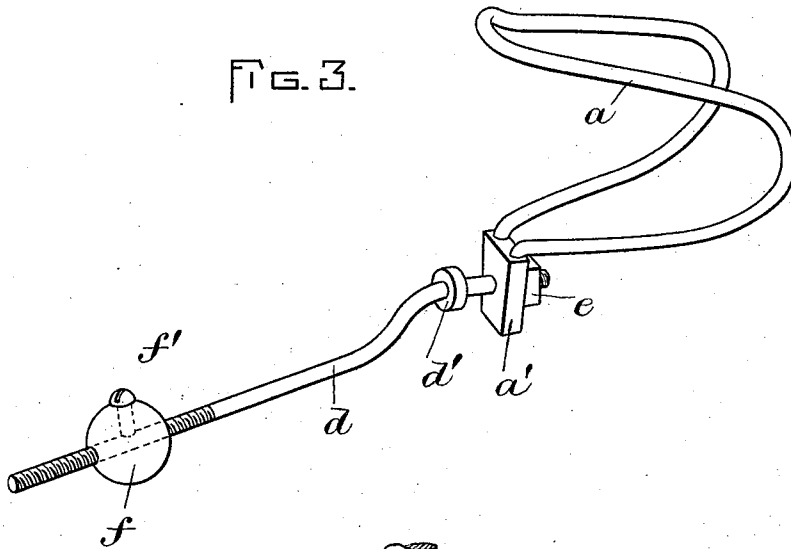


FIG. 2.

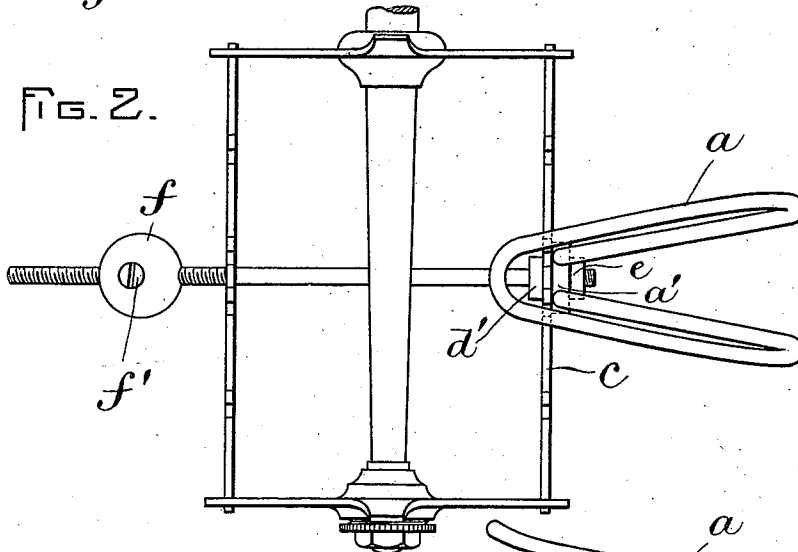
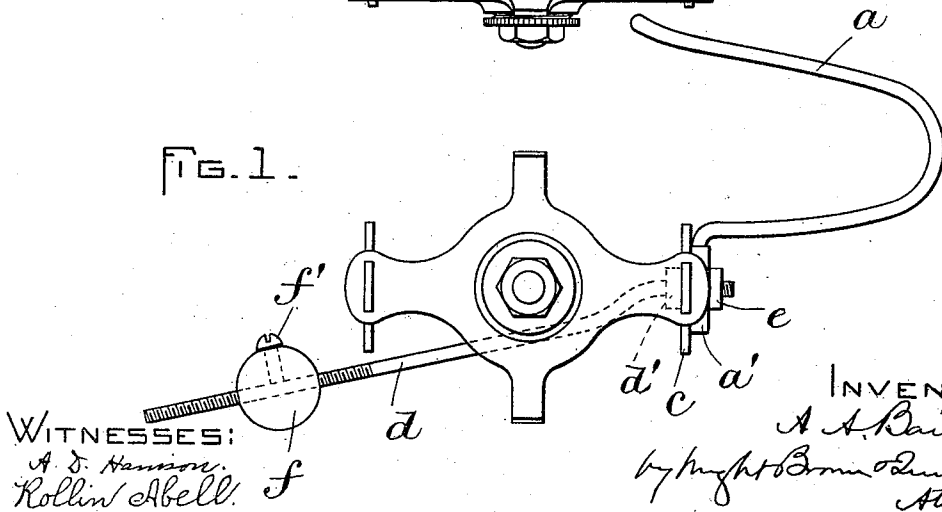


FIG. 1.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ALFRED A. BAILEY, OF CHELSEA, MASSACHUSETTS.

TOE-CLIP FOR BICYCLE-PEDALS.

SPECIFICATION forming part of Letters Patent No. 553,638, dated January 28, 1896.

Application filed April 10, 1895. Serial No. 545,141. (No model.)

To all whom it may concern:

Be it known that I, ALFRED A. BAILEY, of Chelsea, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Toe-Clips for Bicycle-Pedals, of which the following is a specification.

This invention has for its object to provide a simple attachment for a bicycle-pedal, including a toe-clip for engagement with the rider's toe, and a counterbalancing device adapted to keep the pedal constantly in such position that the rider may readily engage his toe with the clip, without the loss of time involved in finding the clip when the pedal hangs loosely and is therefore liable to stand in various positions on the crank.

The invention consists in the improved attachment which I will now proceed to describe and claim.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents an end view of a bicycle-pedal provided with my improved attachment. Fig. 2 represents a top view of the same. Fig. 3 represents a perspective view of the attachment separated from the pedal.

The same letters of reference indicate the same parts in all the figures.

In carrying out my invention, I provide a toe-clip *a* composed preferably of a piece of wire bent into the form shown in the drawings, and adapted when placed on a bicycle-pedal to stand in such position as to engage the toe of the rider's boot. The lower portion of the clip is provided with a base or seat *a'* formed to bear upon one of the side pieces or foot-rests *c* of the pedal, said base having an orifice through which passes one end of a rod *d*. Said rod is provided near the end that passes through the base *a'* with a shoulder or enlargement *d'*, which is or may be a collar soldered or otherwise secured to the rod, or, if preferred, it may be a nut. The end of the rod *d* that passes through the base *a'* also passes through an orifice formed for its reception in the front piece *c* of the pedal, its projecting portion being screw-threaded to engage a nut *e*. The arm *d* ex-

tends rearwardly and downwardly from the front piece *c* of the pedal, as shown in Fig. 1, and is provided with an adjustable weight *f* which acts to overbalance the toe-clip and hold the pedal with the clip in position to engage the rider's foot, as shown in Fig. 1. The weight *f* may be secured to the arm *d* by means of a screw-thread formed in its interior engaging a corresponding thread on the arm *d*, and may be locked in any position to which it may be adjusted by means of a set-screw *f'*, although any other suitable means for adjusting and holding the weight may be adopted.

The described attachment may be applied to an ordinary pedal by first inserting the forward end of the rod *d* into the orifice in the front piece *c* of the pedal until the shoulder *d'* bears against the inner side of said front piece, then placing the base *a'* of the clip upon the part of the arm that projects through the front piece until said base bears against the front side of the front piece, and then applying the nut *e*, the latter when screwed home causing the shoulder *d'* and base *a'* to bear closely upon the opposite sides of the front piece.

It will be seen that the described attachment is extremely simple, and can be applied to any ordinary form of pedal without any change in the pedal excepting the formation of a hole to receive the arm *d*.

I do not limit myself to the exact form of the parts constituting my improved attachment herein shown and described, and may variously modify the same without departing from the spirit of my invention.

I claim—

As a new article of manufacture, an attachment for bicycle pedals the same comprising a toe-clip having an orificed shank or base-piece adapted to fit against the front bar of the pedal; a rod having a screw-threaded end-portion to pass through said bar of the pedal and through the shank or base-piece of the clip and having an enlargement to bear against the inner side of the pedal-bar; a nut applied to the said screw-threaded end of the rod; and a counterbalancing weight applied

to the other end of the rod which extends to
the rear of the pedal,—the rod thus serving
the double purpose of a support for the weight
and a means for fastening the toe-clip to the
5 pedal, substantially as described.

In testimony whereof I have signed my
name to this specification, in the presence of

two subscribing witnesses, this 4th day of
April, A. D. 1895.

ALFRED A. BAILEY.

Witnesses:

C. F. BROWN,

A. D. HARRISON.