

(No Model.)

H. W. CALVERT.
BICYCLE TOE CLIP.

No. 605,390.

Patented June 7, 1898.

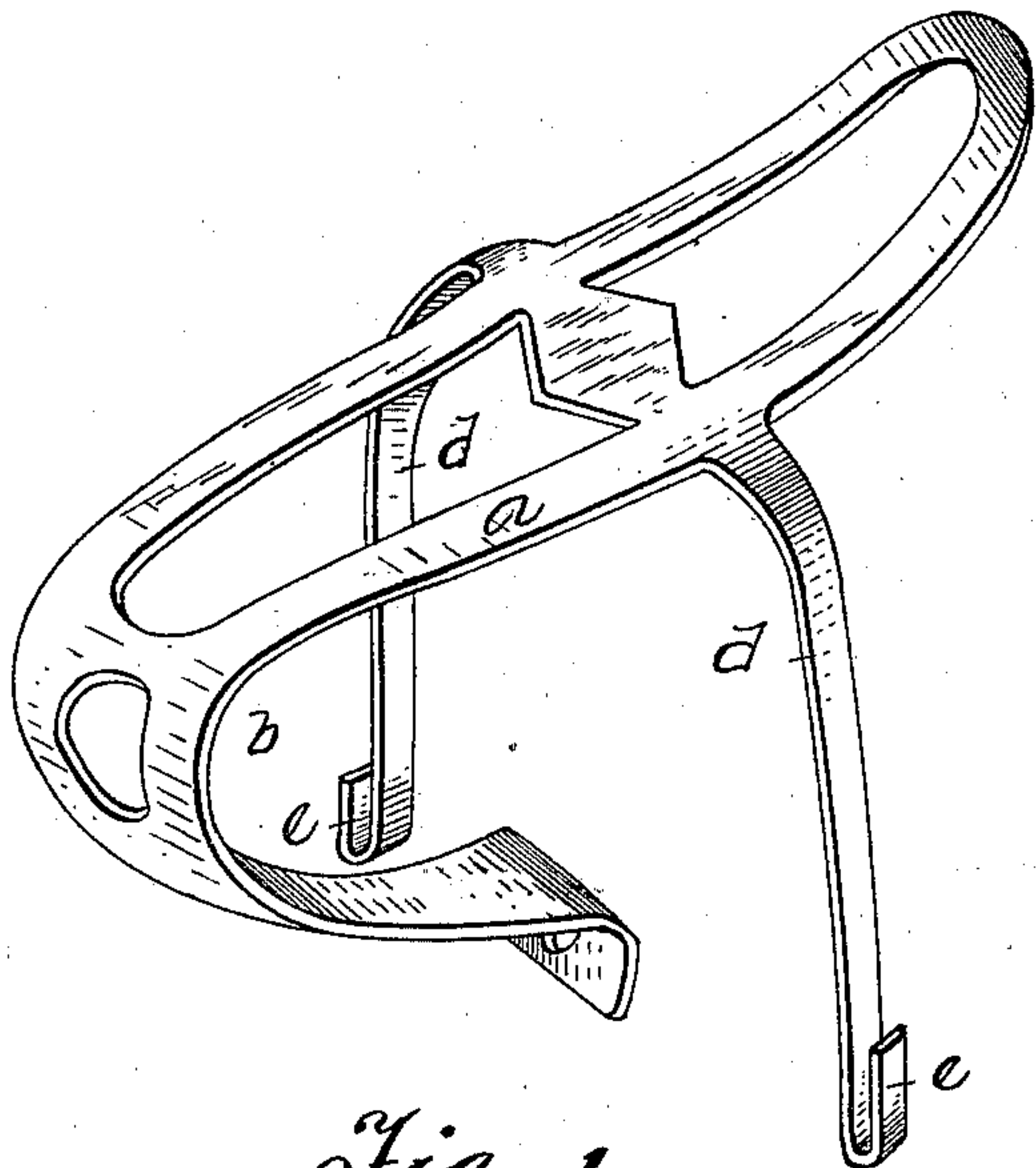


Fig. 1.

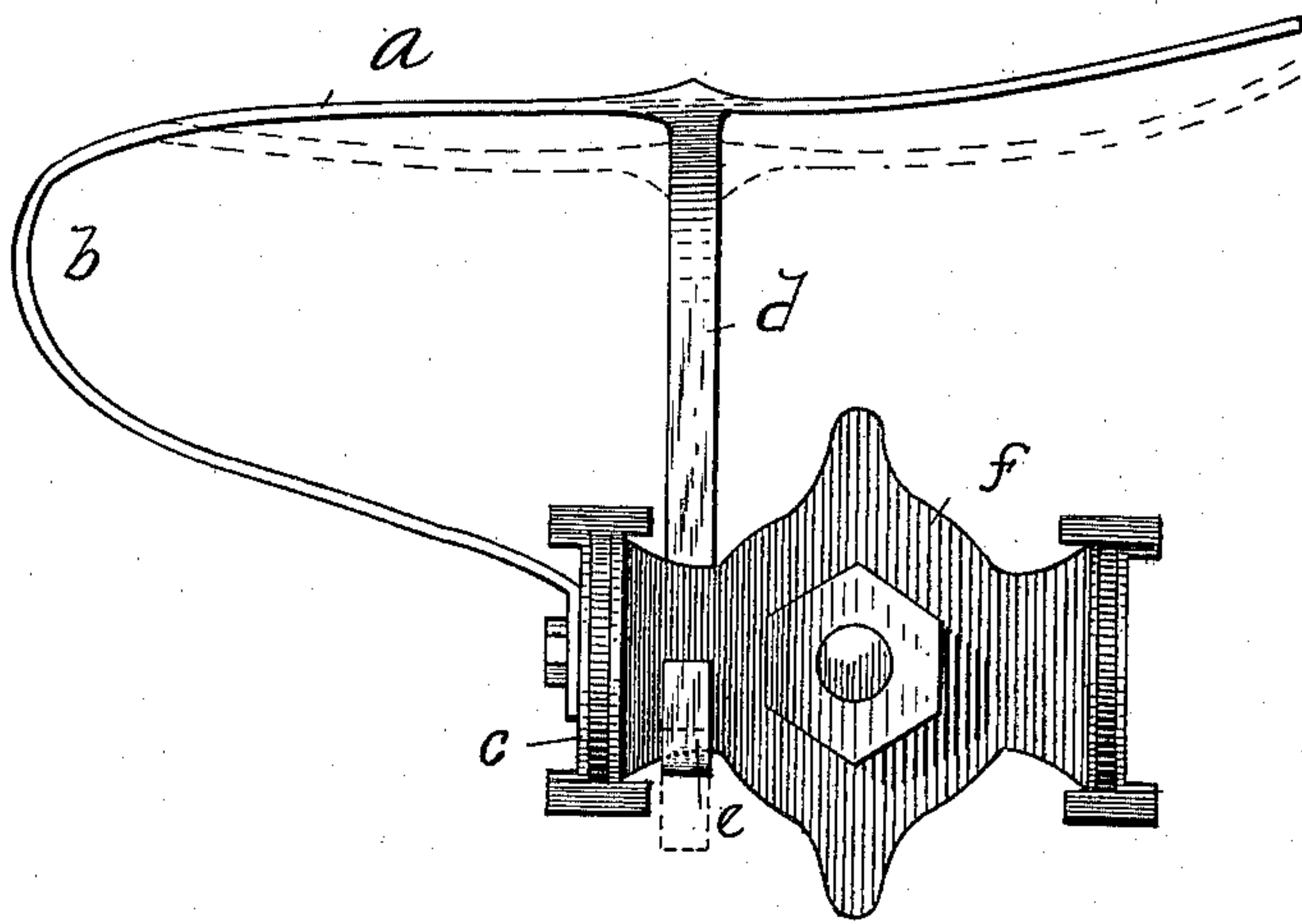


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

HARRY W. CALVERT, OF McKEES ROCKS, PENNSYLVANIA.

BICYCLE TOE-CLIP.

SPECIFICATION forming part of Letters Patent No. 605,390, dated June 7, 1898.

Application filed June 22, 1897. Serial No. 641,848. (No model.)

To all whom it may concern:

Be it known that I, HARRY W. CALVERT, a citizen of the United States of America, residing at McKees Rocks, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Bicycle Toe-Clips, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in toe-clips for bicycles, velocipedes, and the like, and has for its object to provide a clip having side guards for the foot, which engage the brace-stays of the
15 pedal and prevent lateral movement of the toe-clip, said side guards, however, engaging the brace-stays of the pedal in such a manner as to permit the vertical movement of the clip in such a way as to prevent the same
20 binding upon the foot of the rider, but at the same time prevent the strap moving or bending away from the foot sufficiently to lose the advantage gained by the toe-clip engaging the foot when exerting a heavy strain on
25 the pedals; and to this end the invention consists in the novel construction, combination, and arrangement of parts to be hereinafter more specifically described, and particularly pointed out in the claim.

30 In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like letters of reference indicate similar parts throughout both views, in which—

35 Figure 1 is a perspective view of my improved toe-clip. Fig. 2 is a side view showing the same attached in position on the pedal.

Referring to the drawings by reference-letters, *a* indicates the strap, which may be made
40 solid or open, as shown, and is bent to form a pocket *b* for the front portion of the foot, said strap being firmly attached in any suitable manner to either of the brace-plates *c* of the pedal. Formed integral with the strap *a*
45 are arms *d d*, which are bent outwardly and downwardly to form side guards for the foot,

and the ends of said arms are bent upwardly to form a hook *e*, which engages the cross-plates *f f* at the ends of the pedals. These side guards for the clip, while serving to make
50 a basket form of the clip to prevent the foot leaving the pedal, also serve to stiffen the strap and prevent the same moving upward beyond a certain distance or bending by reason of the strain on the same when the rider
55 is exerting a heavy strain upon the pedals, as during such a time the instep of the foot against the strap, together with the toe of the shoe being forced firmly in the pocket, will serve to bend the strap outwardly, to the det-
60 riment of the rider, as the same will no longer hold the foot in the firm engagement with the pedal that is desired and which my improved toe-clip will obtain.

To disengage the clip from the pedal, the
65 strap is depressed sufficiently to disengage the hook ends of the side guards from the pedal, when the fastening of the strap may be readily disengaged.

It will be noted that various changes may
70 be made in the details of construction without departing from the general spirit of my invention.

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

In a toe-clip, a strap secured to the pedal, bent to form a pocket for the front part of the foot, arms formed integral with the strap and being bent outwardly and downwardly to form
80 side guards, the ends of said arms being bent upwardly to form hooks adapted to engage underneath the cross-plate of the pedals to limit the movement of the strap, substantially
85 as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

HARRY W. CALVERT.

Witnesses:

JOHN NOLAND,
GEO. B. PARKER.