

(No Model.)

C. E. HADLEY.
POST FOR CYCLE SADDLES.

No. 485,865.

Patented Nov. 8, 1892.

Fig. 1

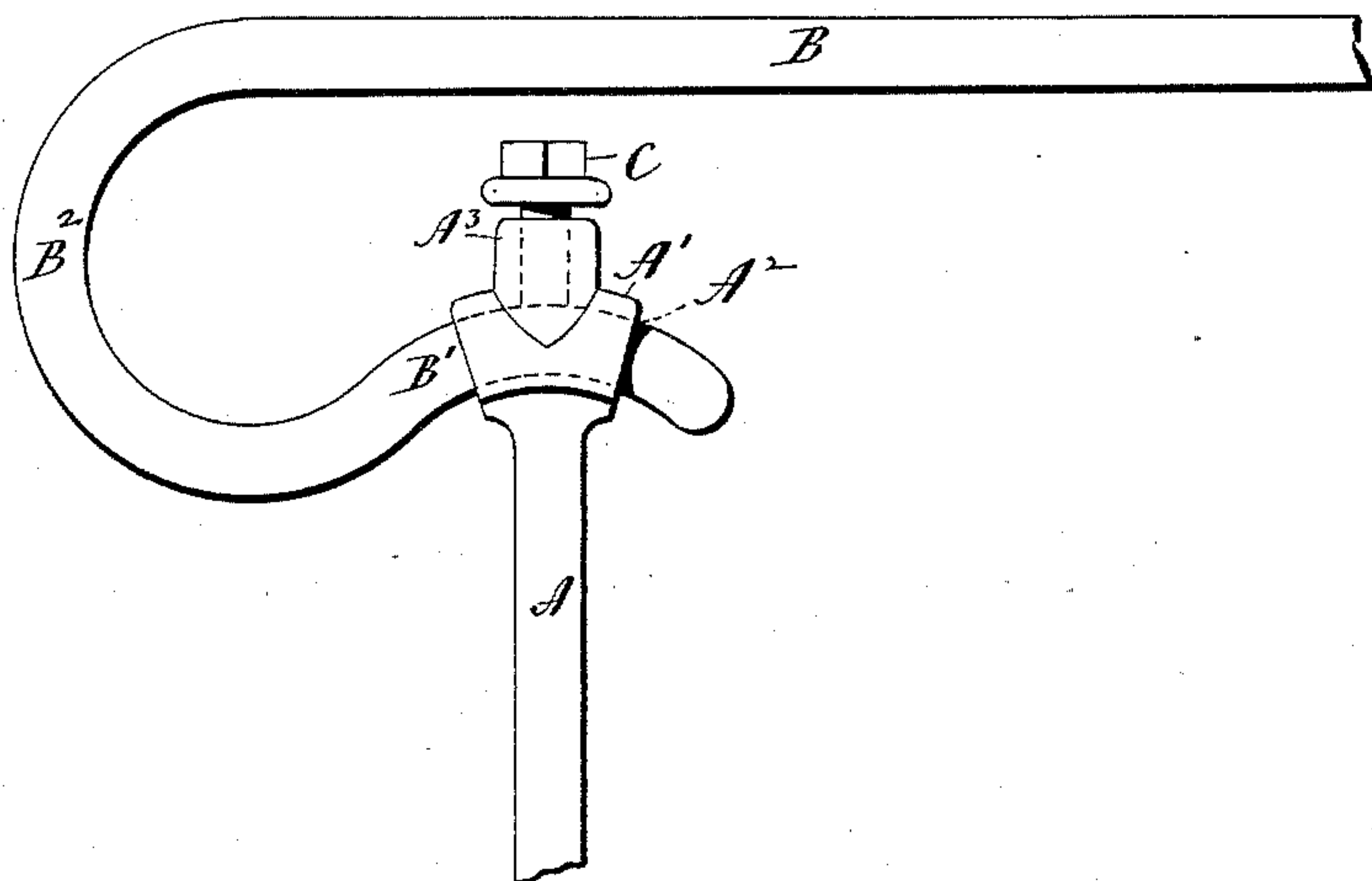


Fig. 2

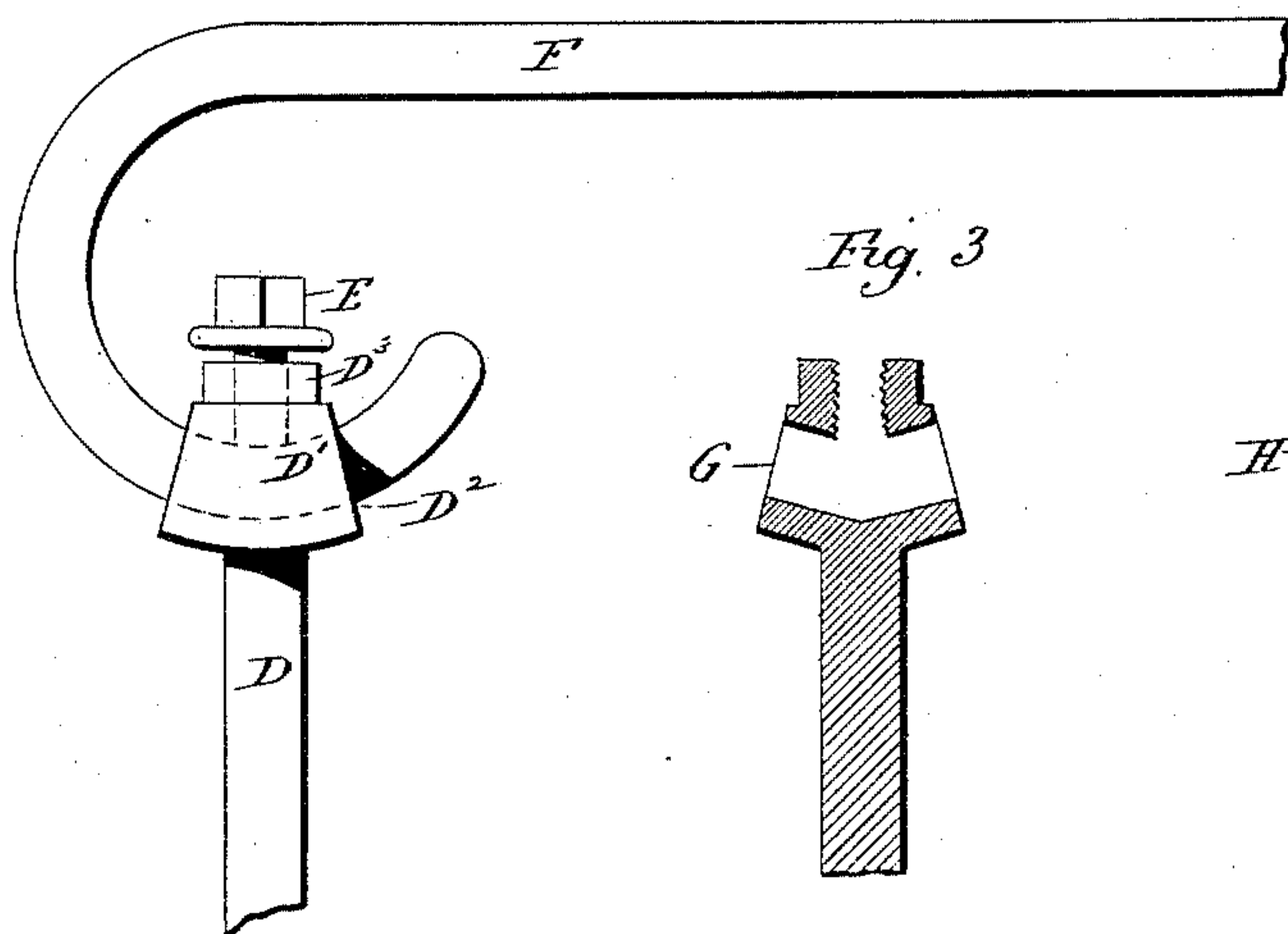


Fig. 3

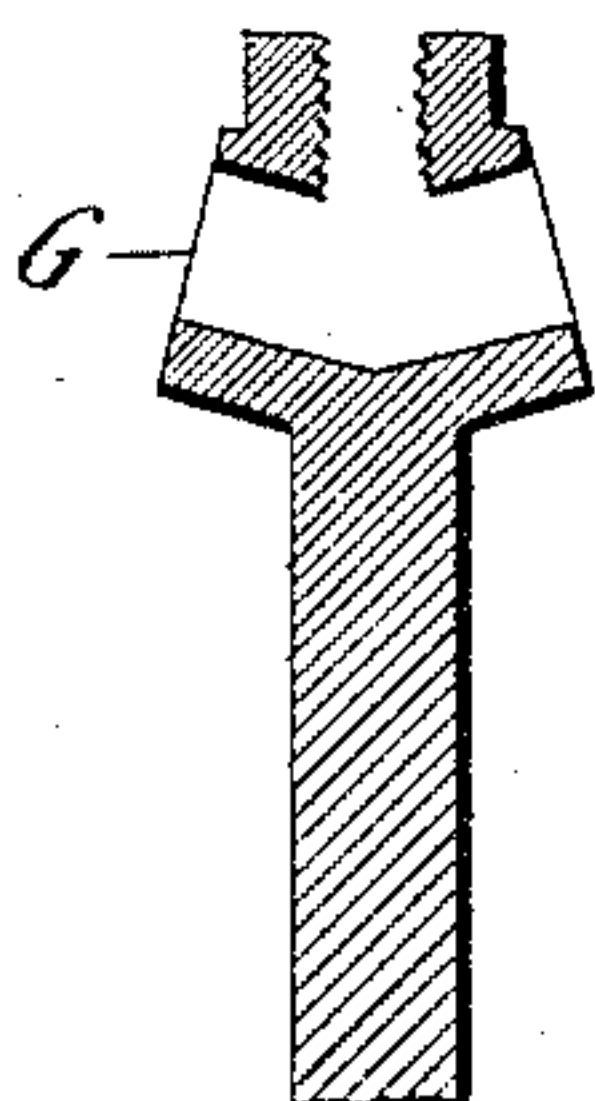
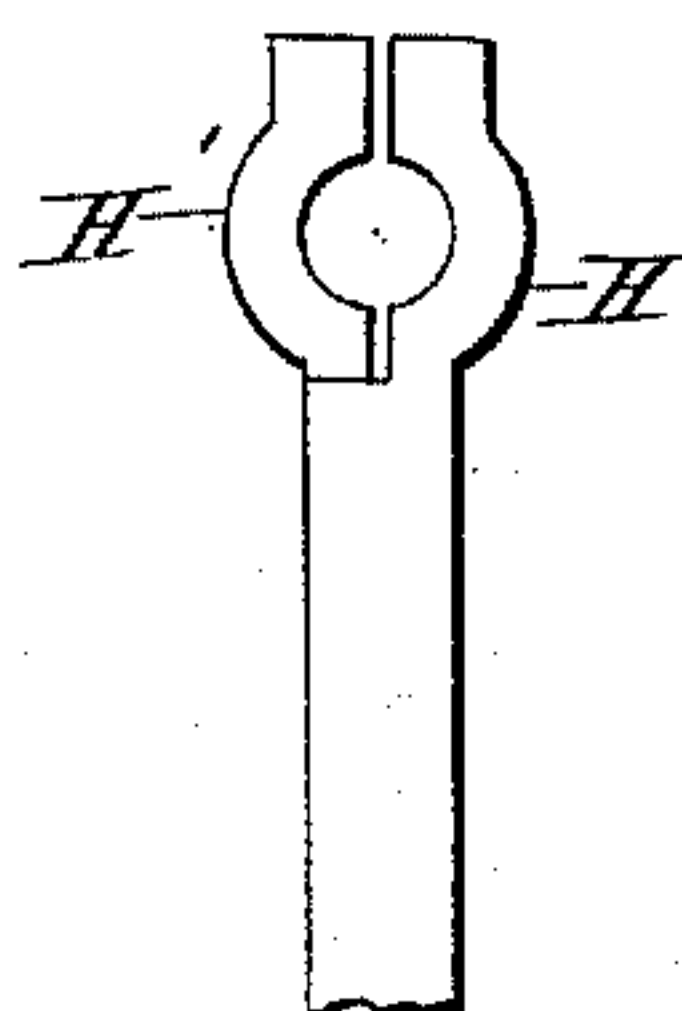


Fig. 4



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES E. HADLEY, OF CHICOPEE, MASSACHUSETTS, ASSIGNOR TO THE
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POST FOR CYCLE-SADDLES.

SPECIFICATION forming part of Letters Patent No. 485,865, dated November 8, 1892.

Application filed May 31, 1892. Serial No. 434,834. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. HADLEY, of Chicopee, in the county of Hampden and State of Massachusetts, have invented a new Improvement in Posts for Cycle-Saddles; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a view in side elevation of a post constructed in accordance with my invention; Fig. 2, a similar view of another form which my improved post may assume; Fig. 3, a detached broken sectional view showing one way of forming the eye in the head at the upper end of the vertical member of the post; Fig. 4, a detached broken view in end elevation showing another construction for the head and eye.

My invention relates to an improvement in posts for cycle-saddles, the object being to produce a simple, convenient, and strong post adapted to be adjusted to vary the inclination of the saddle in the plane of the vehicle.

With these ends in view my invention consists in certain details of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

As shown by Figure 1 of the drawings, the post consists of a vertical member A and a horizontal member B, the former being constructed at its upper end with a head A', having a substantially-horizontal eye A² in the form of a short segment curving upward, or, in other words, having its center higher than its ends. The said head is also constructed with an upwardly-extending hub A³, which receives a set-screw C, the inner end whereof enters the eye aforesaid midway of its length for engagement with the curved lower end B' of the horizontal member B, which is bowed, as at B², between its horizontal main portion and its curved inner end B', and is preferably formed of spring-steel. The curve of the segmental eye A² corresponds to the curved end B' of the horizontal member of the post, so that the said end may be worked back and

forth through the eye and the horizontal member therefor changed in inclination, as desired, being held in place in any of its adjustments by means of the set-screw C. This adaptation of the saddle-post to be adjusted to change the inclination of the saddle enables the latter to be adjusted to suit the best convenience and comfort of the rider, who may also shift the saddle back and forth on the straight portion of the horizontal member, bringing it directly over the vertical member, if desired. The bow between the straight and curved portions of the horizontal member gives the same considerable cushioning action, the post having the attributes of the so-called "goose-neck" saddle-post, to which type of post it may be said to belong.

In the construction shown by Fig. 2 of the drawings the post D is constructed at its upper end with a head D', having a segmental eye D² formed in it and made with a hub D³, receiving a set-screw E, all of the said parts corresponding to like parts in the construction before described, except the segmental eye D², which is reversed in position, its curve being downward instead of upward, as shown in the preceding figure. The horizontal member F of the post has its inner end bent downward in the form of a simple curve corresponding to the curve of the segmental eye through which it is passed and in which it is adjusted back and forth to change the inclination of the said horizontal member. This embodiment of my invention does not permit as wide a range of horizontal adjustment in the saddle nor is the horizontal member of the post as elastic as the corresponding member of the other construction.

In carrying out my invention I have found it convenient to form the eye in the head of the vertical member of the post by drilling intersecting holes in it from its respective ends to form a V-shaped passage G somewhat larger than the cross-sectional area of the wire from which the horizontal member of the post is formed and permitting the curved end thereof to be adjusted back and forth through it.

Another way of forming the eye is indicated by Fig. 4 of the drawings, which represents

a head made in two corresponding parts H and H', having their inner faces constructed with segmental channels semicircular in cross-section, said members being brazed or otherwise attached to each other. In this way an eye exactly conforming to the longitudinal curve and cross-section of the curved end of the horizontal member of the post may be formed at small expense.

10 In view of the modifications shown herein and of other obvious changes I would have it understood that I do not limit myself to the exact construction herein shown and described, but hold myself at liberty to make
15 such changes and alterations therein as fairly fall within the spirit and scope of my invention.

I am aware that a saddle-post made in two parts is old and that a saddle-post bowed between its horizontal upper end and its vertical portion is old. I do not therefore claim either of those constructions, broadly; but,

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

1. A saddle-post having a vertical and a horizontal member, the latter having one end bent down and under and curved and the former being constructed at its upper end to
30 receive the said curved end of the horizontal member and permit the said end to be moved forward and back, and means for clamping the said members together, substantially as set forth, and whereby by moving the said

horizontal member as described its inclination is changed. 35

2. A saddle-post composed of a vertical member constructed at its upper end with an eye, a horizontal member having its inner end bent downward and curved and passed
40 through the said eye, and means for clamping the said members together, substantially as described.

3. A saddle-post having a vertical member constructed at its upper end with a segmental
45 eye having its center higher than its ends, a horizontal member having its inner end upwardly curved and bowed between its said curved end and its main portion, and means for clamping the said members together, sub-
50 stantially as described.

4. A saddle-post having a vertical member constructed at its upper end with an eye, a horizontal member having its inner end curved to pass through the said eye in which
55 it is adjusted back and forth, and a set-screw mounted in the said vertical member of the post in position to enter the eye and engage with the curved end of the horizontal member, substantially as described. 60

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

CHARLES E. HADLEY.

Witnesses:

EUGENE F. RUSSELL,

J. F. BENNER.