

(No Model.)

G. J. BERNASCO.
BICYCLE SADDLE.

No. 582,255.

Patented May 11, 1897.

Fig. 1.

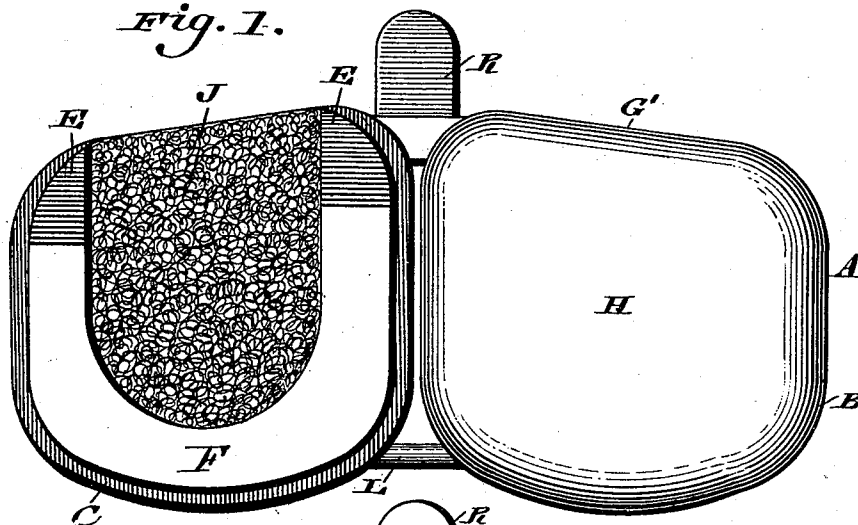


Fig. 2.

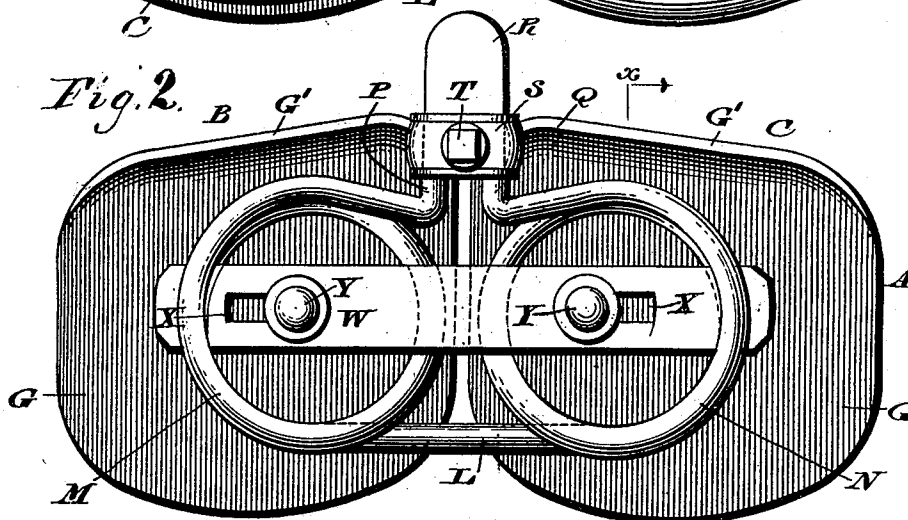
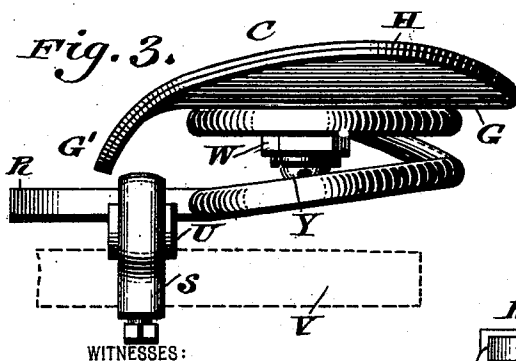


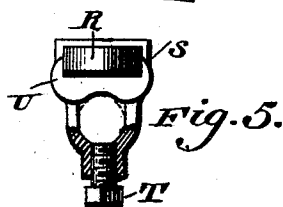
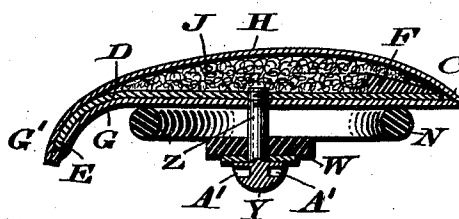
Fig. 3.



WITNESSES:

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Fig. 4.



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BICYCLE-SADDLE.

SPECIFICATION forming part of Letters Patent No. 582,255, dated May 11, 1897.

Application filed June 19, 1896. Serial No. 596,136. (No model.)

To all whom it may concern:

Be it known that I, GEORGE J. BERNASCO, a citizen of the United States, residing in the city and county of Burlington, State of New Jersey, have invented a new and useful Improvement in Bicycle-Saddles, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a novel construction of bicycle-saddle which conforms more closely to hygienic and physical requirements than saddles heretofore constructed, the same being readily applied to a bicycle and being quickly adjusted, according to requirements.

It further consists of novel details of construction, all as will be hereinafter set forth.

Figure 1 represents a plan view of a bicycle-saddle embodying my invention, one-half of the same having the cover removed therefrom. Fig. 2 represents a plan view of the under side of Fig. 1. Fig. 3 represents a side elevation of the saddle. Fig. 4 represents a section on line *xx*, Fig. 2. Fig. 5 represents an end elevation of the saddle, showing the clamping device therefor.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates a bicycle-saddle, the same consisting of the members or sections B and C, and as the construction of each is substantially the same a description of one will suffice for both.

Each saddle is composed of the dished metal plate D, which is turned in the direction indicated in Fig. 1, or toward the forward wheel, and has its forward end E deflected, as will be understood from Fig. 4.

F designates a felt strip which is placed on the metal plate D.

G designates the under covering of the saddle, which is composed of leather or similar material and is bent downwardly to conform to the shape of the metal plate D, the top H of the saddle being covered with leather or similar material, which, it will be understood, is stitched around the edges outside of the plate D, thereby forming the inclined forward portion G', the space between the upper piece of leather and the plate D being filled by curled hair J or other similar cushioning material.

L designates a spring which is located un-

derneath the pads B and C, the same consisting of the convolutions M and N, which are connected together and have their free ends brazed or otherwise joined or secured together, so as to form the extension R, which has the clip or clamp S engaging the same, said clamp being provided with a set-screw T or similar fastening device whereby the saddle can be readily secured to a suitable portion of the bicycle-frame V, a filling-piece U being employed which contacts with the portion V of the bicycle-frame.

W designates a bar which is placed transversely relative to the sections B and C and is provided with the slots X, said bar having its ends projecting between and through the convolutions of the spring L, as will be evident from Fig. 3.

Y designates bolts or screws, which pass through the slots X and have shanks Z, which engage a suitable portion of the metal plate D, wherefrom it will be seen that the parts are held in assembled position, and are thus secured upon the bicycle-frame V.

To adjust the sections or members B and C with respect to each other, it is only necessary to loosen the screws Y, which can be done by the application of a spanner or other wrench to the holes A' in the heads thereof, the screws being afterward tightened when the desired adjustment has been effected.

As the spring L is not secured to the sections B and C, the latter can be moved thereupon when it is so desired, and by having the slots X in the bar W the sections can be moved away from or toward each other and thus adjusted to fit the rider, it thus being noticed that each section has a forward and backward adjustment and an adjustment laterally.

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

1. A bicycle-saddle formed of sections, springs having convolutions under each section upon which the latter are directly sustained, the sections being adapted to be freely movable laterally on said springs, a bar adapted to bear on said springs, and means for movably holding said bar in engagement with said sections.

2. A bicycle-seat formed of sections, a spring having convolutions under each sec-

tion upon which the latter are directly sustained, a bar removably attached to each of said sections, and held within and bearing against the convolutions of said spring, so as
5 to hold the same against said sections.

3. A bicycle-seat formed of sections, a spring having separate convolutions upon which said sections rest but which is not connected therewith, a bar engaging said spring
10 adapted to hold said spring against said sections, slots in said bar, and means passing through said slots for connecting said bar with each of said sections, whereby the same may be loosened and tightened.

15 4. A bicycle-saddle formed of sections, a spring having convolutions under each section, the ends of said spring being in proximity to each other, a bar adapted to be held between and bear against the convolutions of
20 said spring, means for removably holding said bar in engagement with said sections,

and a clamping device engaging the end of said spring, and a suitable portion of the bicycle-frame.

5. In a bicycle-saddle formed of sections, 25 a spring having convolutions supporting said sections, a bar extending transversely of said sections and projecting between the convolutions of said spring and detachable means for securing said bar to said sections. 30

6. In a bicycle-saddle, sections having plates with depressed front ends, a spring having an extension with means for securing it to a bicycle, convolutions supporting said sections, a slotted bar passing through said
35 convolutions, and threaded bolts in said slots and engaging said plates.

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Witnesses:

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