

(No Model.)

J. B. EDDY.
VELOCIPED.

No. 413,639.

Patented Oct. 22, 1889.

Fig. 1.

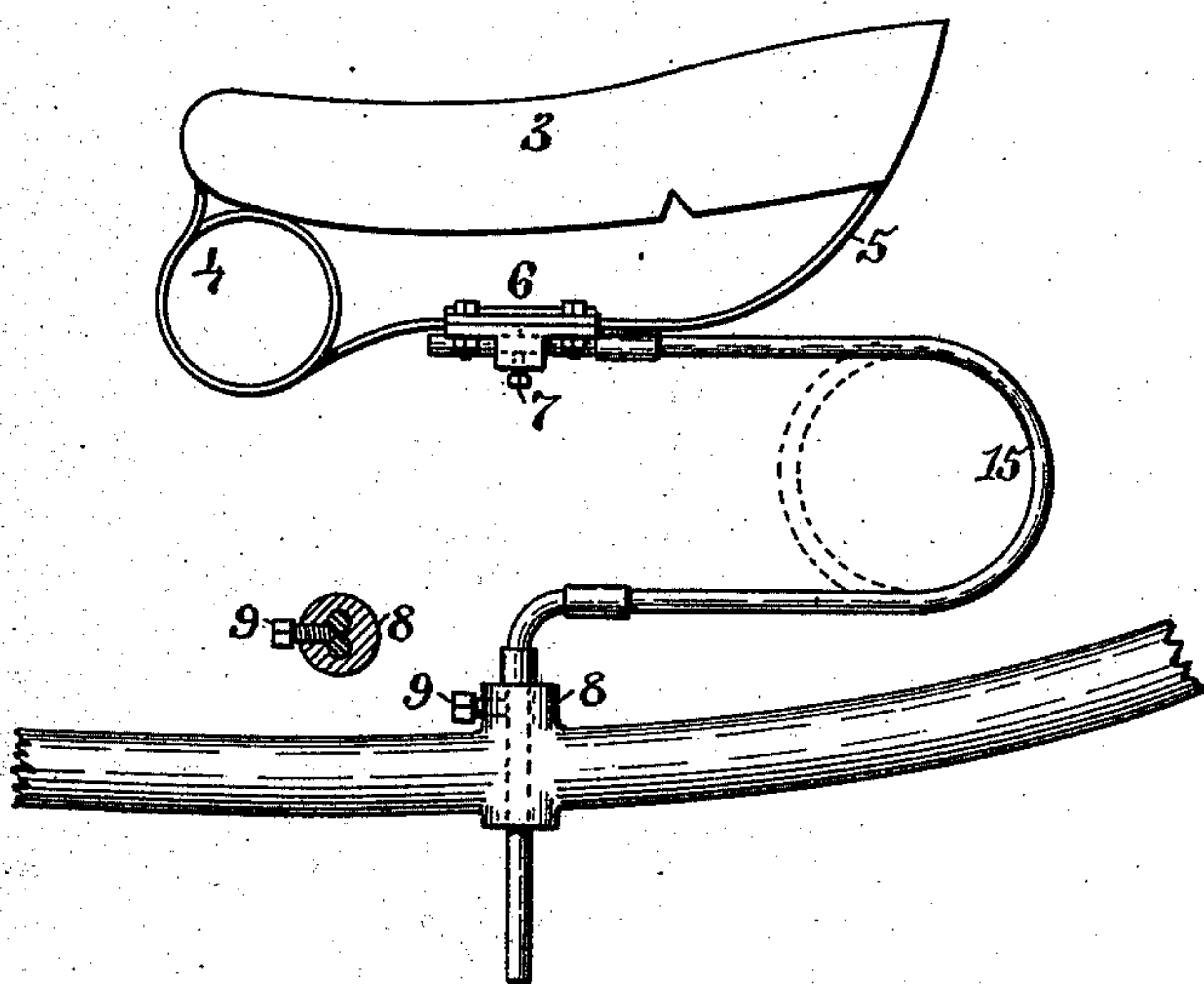
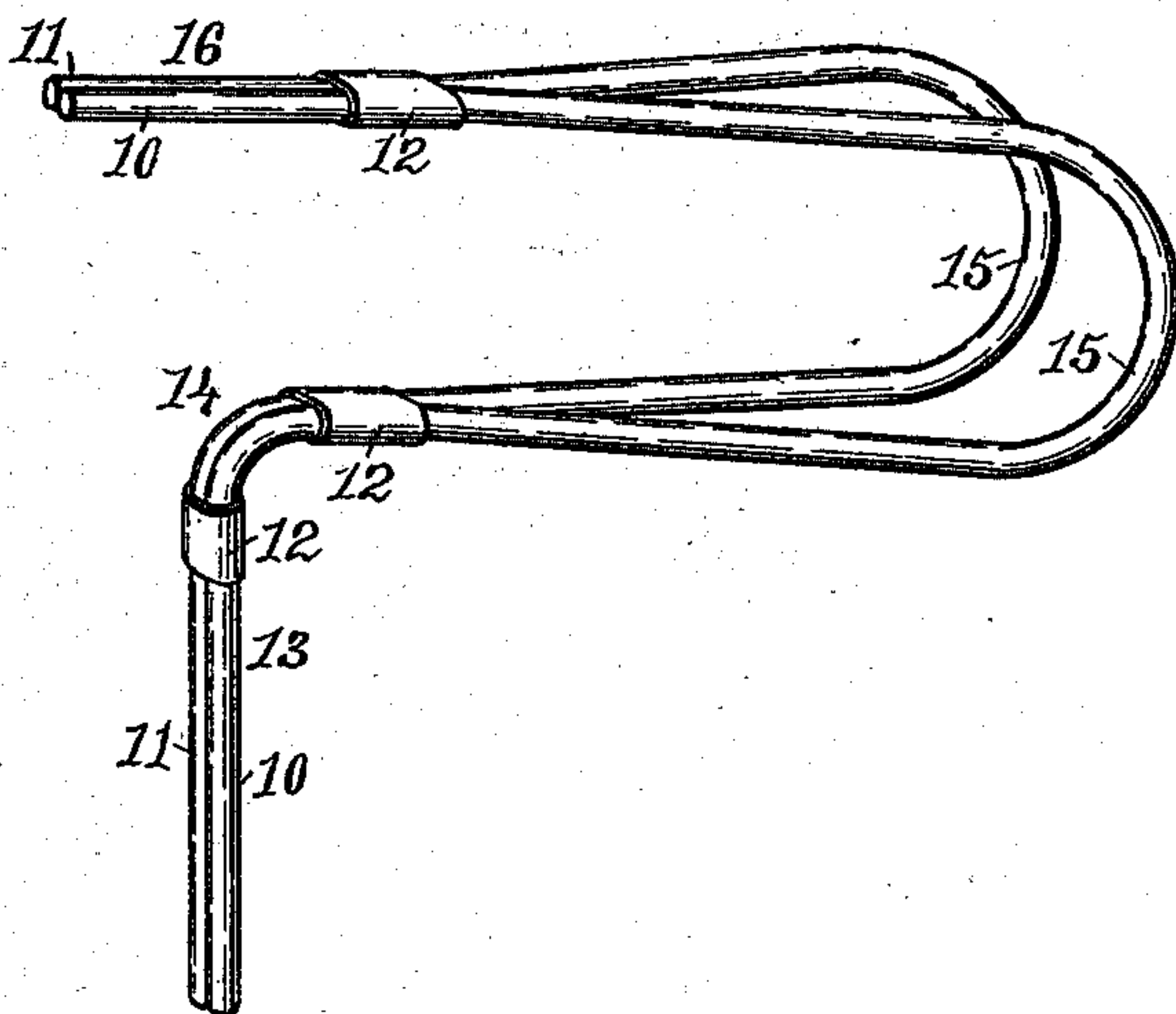


Fig. 2.



WITNESSES:

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JOHN B. EDDY, OF SWANSEA, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO
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VELOCIPEDÉ.

SPECIFICATION forming part of Letters Patent No. 413,639, dated October 22, 1889.

Application filed August 5, 1889. Serial No. 319,759. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. EDDY, of Swansea, in the county of Bristol and State of Massachusetts, have invented a new and useful Improvement in Velocipedes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to an improvement in the adjustable support for the saddle of a velocipede.

The invention consists in the peculiar and novel construction of the supporting-bar, as will be more fully set forth hereinafter.

Figure 1 is a side view showing the saddle supported on my improved adjustable spring saddle-bearing. Fig. 2 is a perspective view of my improved spring saddle-bearing.

In various kinds of velocipedes the saddle or saddles are supported on a rod secured in a socket, usually by a clamp-screw, the upper end of the rod being formed at such an angle as will, when the clamp-piece of the saddle is secured, support the saddle in the desired position.

My invention refers to an improvement on this adjustable supporting-bar.

Similar numbers of reference designate corresponding parts throughout.

In the drawings, the number 3 indicates the saddle, 4 the forward, and 5 the rear, support of the saddle. These supports are usually formed of spring-wires, and are secured in the clamp-piece 6, and the bent end of the adjustable supporting-bar, as heretofore constructed, was secured in the clamp-piece 6 by the clamp-screw 7.

The number 8 indicates one form of the socket used to receive the adjustable saddle-supporting bar, and 9 indicates the clamp-screw by which the bar is secured in the socket. The supporting-bar as heretofore constructed was round. The holes in the socket 8 and the clamp-piece 6 were also round. The saddle, as well as the supporting-bar, was held in the required position with reference to turning in the round holes solely by the clamp-screws 7 and 9.

The object of my invention is to give more elasticity to the saddle than is possible with the present spring-support, and to secure the saddle more firmly against turning on the support, as also to secure the supporting-rod more

firmly in the socket; and to these ends I form the supporting-rod of two stout spring-wires 10 and 11 and bind the same together by the bands 12. The portions of the combined rods 10 and 11 which enter the socket 8 or the hole in the clamp-piece 6 may be braced or otherwise permanently secured together. The holes in the socket and clamp-piece are formed by boring two holes, slightly larger in diameter than each one of the spring-rods, close together, as is indicated by a section of socket 8 in Fig. 1. The two spring-rods 10 and 11 are bent, as is shown in the drawings, so as to consist of the vertical straight double rod 13, the elbow-bend 14, the loops 15, and the horizontal double rod 16. The loop portion of the support is preferably bifurcated, so as to secure lateral strength, and this looped portion may be coiled like the spring 4 of the saddle, as is indicated in broken lines in Fig. 1.

By the use of this improved support the rider is relieved from the jars incident to riding on a rough road, much greater elasticity is secured to the saddle, which is also much more firmly supported than it is on the supporting-rods as heretofore constructed. The clamp-screws bear on the rods 10 and 11 and force them against the sides, so as to hold the support more firmly than is possible in a single rod.

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

1. The combination, with the socket 8 and clamp-screw 9, and the clamp-piece 6, having the clamp-screw 7, of the rods 10 and 11, bent at or nearly at right angle at 14, extending rearward to form the spring-loop 15, ending in the horizontal ends 16, adapted for entering the clamp-piece 6, as described.

2. The combination, with the socket 8, of the adjustable saddle-support consisting of the rods 10 and 11, united by the bands 12, and bent so as to form the rearwardly-extending bifurcated spring-loop 15, the vertical end 13 and the horizontal end 16, constructed to be adjustably secured and form a yielding spring-support for the saddle of a velocipede, as described.

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Witnesses:

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