

(No Model.)

J. R. MONTAGUE.
VELOCIPED SEAT.

No. 544,625.

Patented Aug. 13, 1895.

Fig. 1.

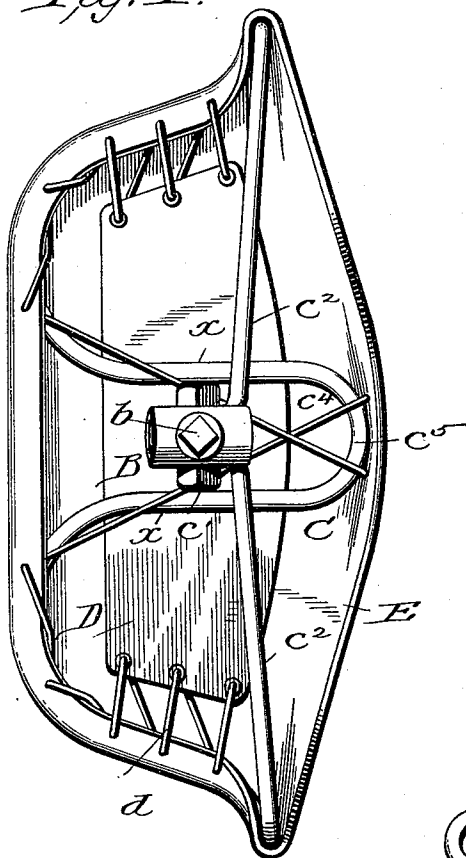


Fig. 2.

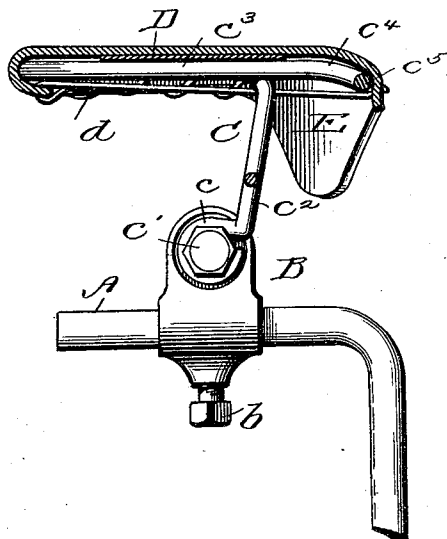


Fig. 3.

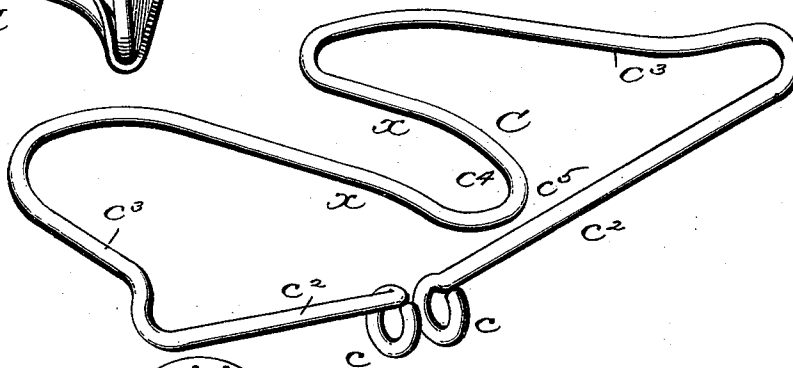
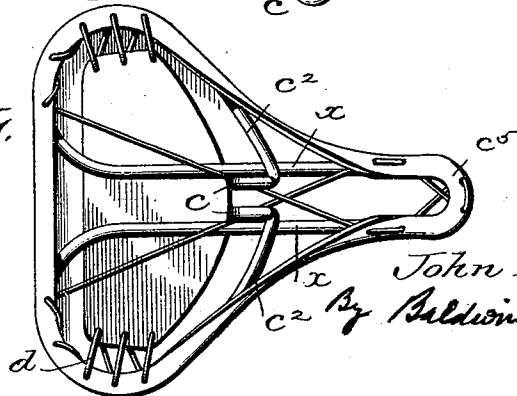


Fig. 4.



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UNITED STATES PATENT OFFICE.

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VELOCIPED-SEAT.

SPECIFICATION forming part of Letters Patent No. 544,625, dated August 13, 1895.

Application filed February 20, 1895. Serial No. 539,081. (No model.)

To all whom it may concern:

Be it known that I, JOHN RICHARD MONTAGUE, a citizen of the United States, residing at Syracuse, in the county of Onondaga and State of New York, have invented certain new and useful Improvements in Velocipede-Seats, of which the following is a specification.

My invention contemplates the production of a seat or saddle for velocipedes or bicycles which shall be comfortable, convenient, and easy for the rider, male or female, and which shall avoid injurious jars, shocks, strains, or stresses upon the parts of the rider adjacent to the seat, which ends I attain by the novel organization of instrumentalities hereinafter set forth and claimed.

In the accompanying drawings, which show my improvements embodied in a velocipede-seat in the best way now known to me, Figure 1 is a plan view of the under side of the seat. Fig. 2 is a vertical central longitudinal section therethrough. Fig. 3 is a view in perspective of the skeleton frame of the seat detached; and Fig. 4 is a plan view of the under side of a modified form of the seat.

The drawings show the ordinary supporting-post A of a velocipede carrying a clamp B, adjustable in the usual ways and provided with a locking-screw b. Figs. 1, 2, and 3 show a W-shaped skeleton saddle-frame C, made of a single piece of spring-wire and provided with eyes c, secured to the clamp by securing devices c'. These eyes are on the adjacent inner ends of the upwardly-inclined diverging arms c², which extend outwardly to the front and sides of the frame and then curve backwardly and inwardly to the rear of the seat, forming outer side supports c³. The wire is then bent inward and forward again, forming a central loop c⁴, which projects slightly in advance of the sides of the frame and has a slight downward bend or curve c⁵. A flat thin seat-plate D, preferably of metal, somewhat shorter and narrower than the frame, rests upon the central loop. A cover E, preferably of leather, is secured in place by laces d, passing through holes in the opposite edges of the plate D and in the turned side edges of the cover. It will be observed that the frame comprises the parallel central arms X, curved into a loop c⁴ at

the front and diverging at their rear ends, where they are joined to the outer arms c³, which extend forwardly in the same horizontal plane with the central arms to the front of the saddle and then extend downwardly and rearwardly and converge toward the clamp B, which secures them to the supporting-standard. The central loop is open at the rear end of the saddle, there is no cantle under the spinal column of the rider, and the arms of the central loop and the outer frame-arms are arranged on opposite sides of the parts of the seat pressed upon by the downwardly-extending bones of the pelvis. My improved saddle therefore differs from those in which the pressure is central and in which a pommel rises at the front.

Fig. 4 shows a seat constructed substantially as above set forth, except that the central loop is extended farther forward, so as to produce a more pronounced pommel. This modification is not preferred, but simply illustrates the fact that some of my improvement may be applied to saddles of the usual shape. A smooth and firm but elastic seat is secured by my improvements, capable of yielding at each side to accommodate the movement of the legs, and readily permitting the rider to sit farther backward or forward, as may be found most convenient.

What I claim as new and as of my own invention is—

1. A velocipede skeleton saddle frame consisting of a single spring wire bent in a W-shape with the central loop in front and having its arms spread apart to leave an opening between them, and downwardly projecting, converging supporting arms united with the outer arms of the frame which form continuations of the arms of the loop, in combination with a cover resting on the central loop, substantially as and for the purpose specified.

2. The combination of a W-shaped spring wire saddle frame, having the arms of the central loop spread apart to leave an opening between them, a central seat plate resting thereon, a cover, and fastenings connecting the cover and seat plate, substantially as described.

3. The combination with a flexible covering, of a spring wire saddle frame comprising the central arms spread apart and joined by

a loop at their front ends, and diverging at their rear ends, outer arms joined to the rear ends of the central arms and extending forwardly therefrom in the same horizontal plane with the central arms, and downwardly extending, converging supporting arms joined to the front ends of the outer arms of the frame.

4. The combination with a flexible covering of a spring wire saddle frame comprising the central arms spread apart and joined by a loop at their front ends, and diverging at their rear ends, outer arms joined to the rear ends of the central arms and extending forwardly therefrom in the same horizontal plane with the central arms, downwardly extending, converging supporting arms joined to the front ends of the outer arms of the frame, and a plate interposed between the central arms of the frame and the cover.

5. The combination with a flexible covering, of a spring wire saddle frame comprising the central arms spread apart and joined by a loop at their front ends, and diverging at their rear ends, outer arms joined to the rear ends of the central arms and extending forwardly therefrom in the same horizontal plane with the central arms, downwardly extending, converging supporting arms joined to the front ends of the outer arms of the frame, a plate interposed between the central arms and the cover, and laces securing the opposite edges of the plate to the inturned edges of the cover.

In testimony whereof I have hereunto subscribed my name.

JOHN RICHARD MONTAGUE.

Witnesses:

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