(No Model.)

R. E. HUMPHREYS.

SPRING FOR VELOCIPEDE SEATS.

No. 332,658. Patented Dec. 15, 1885.

Fig. 1.

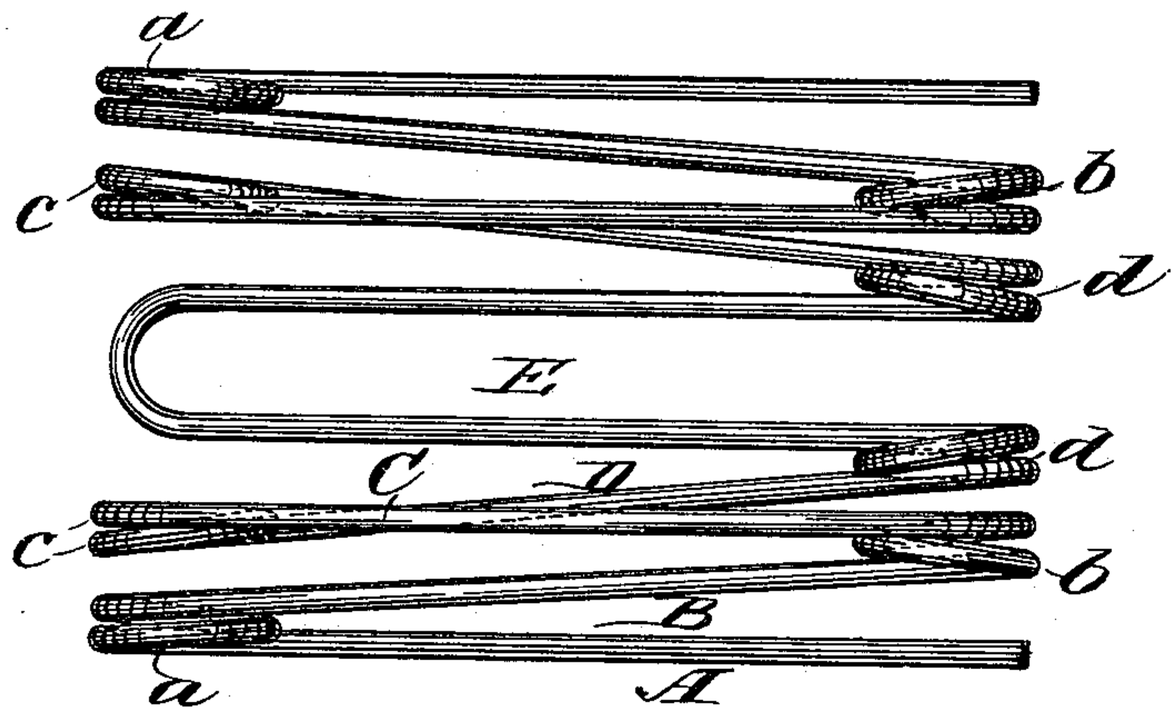
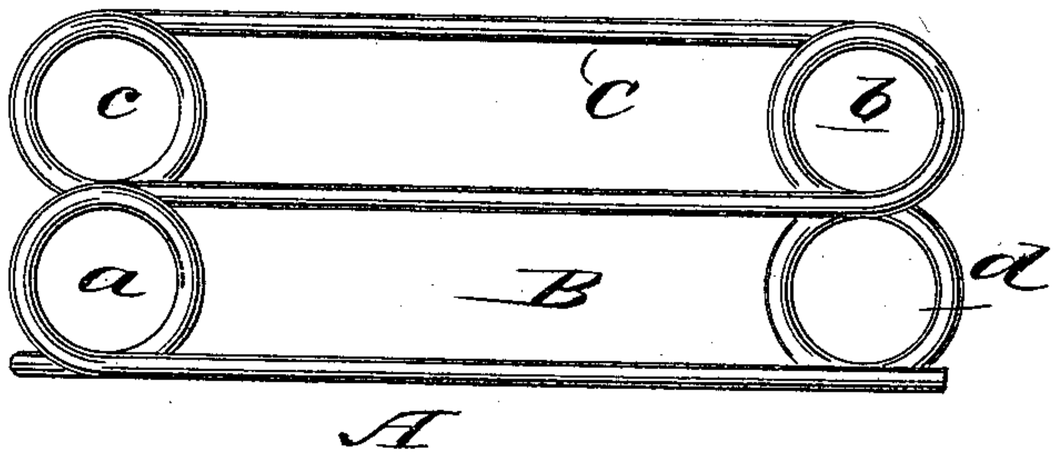


Fig. 2.



WITNESSES:

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ROBERT E. HUMPHREYS, OF IRWIN, PENNSYLVANIA.

SPRING FOR VELOCIPEDE-SEATS.

SPECIFICATION forming part of Letters Patent No. 332,658, dated December 15, 1885.

Application filed May 9, 1885. Serial No. 164,899. (No model.)

To all whom it may concern:

Be it known that I, ROBERT E. HUMPHREYS, of Irwin, in the county of Westmoreland and State of Pennsylvania, have invented a new and useful Improvement in Spring-Seats for Bicycles and Tricycles, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved spring support or seat for bicycles or tricycles, which is so constructed that it rocks easily, but does not vibrate much.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a plan view of my improved spring-support for bicycles and tricycles. Fig. 2 is a side view of the same.

The spring-support is formed of a single spring-wire, which is bent to have an equal number of coils on each side and each end. The bottom part, A, is bent at the front end of the seat, to form the coils *a*, from the top of which the part B extends to the rear and is bent to form the coil *b*, the bottom of which is in the same horizontal plane with the top of the coil *a*. From the top of the coil *b* the part C extends to the front and is bent to form the coil *c*, which is below the part C. From the bottom of the coil *c*, the part D extends to the rear, and on the end of the same the coil *d* is formed, which is below the part D, and from the coil the U-shaped part E projects to the front, the said part being in the same plane with the part A. The other side of the spring-support is constructed in the same manner. The coils *a* and *c* are at the front of the support in parallel vertical planes, but the coil *c* is above the coil *a*, and the coils *d* and *b* are in parallel vertical planes, the coil *b* being above the coil *d*. The top and bottom coils at each side of the support alternate at each end. The number of coils at each end of the support may be increased, if desired, in the manner set forth—that is, the top and bottom coils alternating at each end.

A saddle of the usual construction for bicycles or tricycles can be secured on the above-described support.

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

1. A spring-support formed of a wire bent to have coils at the front and rear of the support, the coils being in horizontal planes both at the front and rear, and the top and bottom coils alternating both at the front and rear, substantially as shown and described.

2. A spring-support formed of a spring-wire bent to form a U-shaped part, E, uniting two sides or sections of the support, the wire being bent to form the front coils, *a c*, in different horizontal planes, the rear coils, *d b*, in different horizontal planes, and the straight parts A, B, C, and D uniting the coils *a b c d*, in the manner substantially as herein shown and described.

ROBERT E. HUMPHREYS.

Witnesses:

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