

(No Model.)

A. F. GETZ & W. C. WESTALL.
BICYCLE SEAT SPRING.

No. 576,726.

Patented Feb. 9, 1897.

Fig. 1.

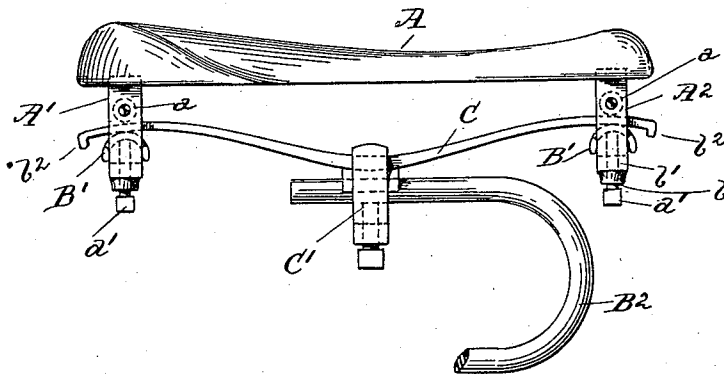


Fig. 2.

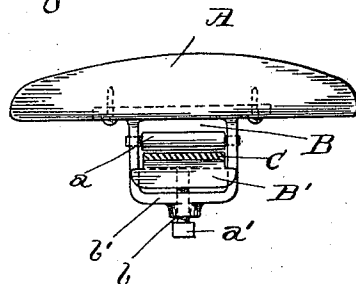
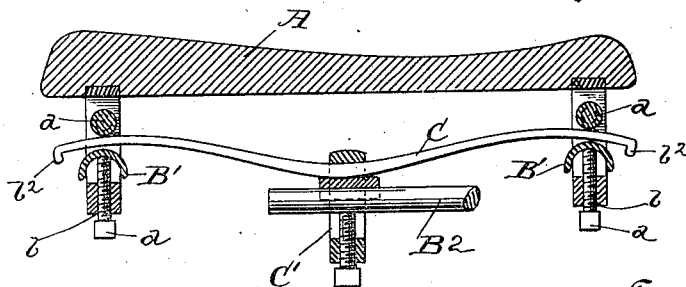


Fig. 3.



Witnesses.

H. Montevideo

M. L. Loepfer

Inventors
A. F. Getz
and
W. C. Westall
by *J. N. ... atty*

UNITED STATES PATENT OFFICE.

AUGUST F. GETZ AND WILLIAM C. WESTALL, OF SAN FRANCISCO,
CALIFORNIA.

BICYCLE-SEAT SPRING.

SPECIFICATION forming part of Letters Patent No. 576,726, dated February 9, 1897.

Application filed September 20, 1895. Serial No. 563,097. (No model.)

To all whom it may concern:

Be it known that we, AUGUST F. GETZ and WILLIAM C. WESTALL, citizens of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Bicycle-Seat Springs; and we do hereby declare that the following is a full, clear, and exact description thereof.

Our present invention relates to a certain new and useful bicycle-seat spring, which consists in the arrangement of parts and details of construction as will be hereinafter fully set forth in the drawings and described and pointed out in the specification.

The main object of our invention is to provide a spring attachment which will permit of our using a solid or non-elastic or non-flexible seat, the spring being so connected to the seat as to take or compensate for the jolt of the bicycle, which ordinarily falls directly upon the seat itself.

In order fully to understand our invention, reference must be had to the accompanying sheet of drawings, forming a part of this application, wherein—

Figure 1 is a side view in elevation, showing the spring mechanism attached to a solid seat. Fig. 2 is an end view in elevation of the seat and spring mechanism, partly in section; and Fig. 3 is a central longitudinal sectional view.

In the drawings the letter A is used to indicate a solid bicycle-seat. To the under face of the bicycle-seat, at each end, we secure, in any suitable manner, the frames A' A². Each frame is provided with an opening B, and within said opening is located the roll *a*, which is journaled in the side bars of the frame. We also locate within the opening of each frame the plate B', which is raised and lowered through the medium of the set-screw *a'*, which extends through a screw-threaded opening *b* in the cross-bar *b'* of the frame. The seat is supported above the seat-post B² of the bicycle by means of the flat spring C, which is curved or bent to the proper shape.

This spring fits between the roll *a* and the plate B', secured within the opening of the frames A' A², and each end of the said spring is bent downward or flanged, so as to provide the shoulder *b*², which shoulder or flange prevents the spring from slipping from between the roll *a* and the plate B' by the jolt of the machine.

The spring C is connected to the seat-post B² by means of the usual seat-clamp C'.

We make the clamp-plates B' adjustable in order to permit springs of varying thickness to be inserted between the said clamp-plates and the rolls *a*.

By our attachment the spring is not confined, and is permitted free movement longitudinally. As the spring is compressed the ends thereof will move outward between the rolls *a* and the clamp-plates B', and as pressure is removed from the spring it will move inward. By our spring attachment the spring gives to the jolting of the bicycle and not the seat, the pressure of the spring falling upon the roll *a* and not upon the seat. In the use of our device little or no jar will be felt by the rider of the bicycle while going over rough roads.

Having thus described our invention, what we claim as new, and desire to secure protection in by Letters Patent, is—

The combination with the seat, of open frames depending from the ends of the same, set-screws projecting upward in said frames through the lower ends thereof, convex plates carried by the upper ends of said screws, rollers journaled in and between the side bars of the frames, and a supporting-spring having its ends playing between said rollers and convex plates.

In testimony whereof we affix our signatures, in presence of two witnesses, this 6th day of September, 1895.

AUGUST F. GETZ.

WILLIAM C. WESTALL.

Witnesses:

N. A. ACKER,

M. G. LOEFLER.