(No Model.)

G. E. SEYMOUR.

BICYCLE SADDLE.

No. 455,363. Patented July 7, 1891.

Fig. 1.

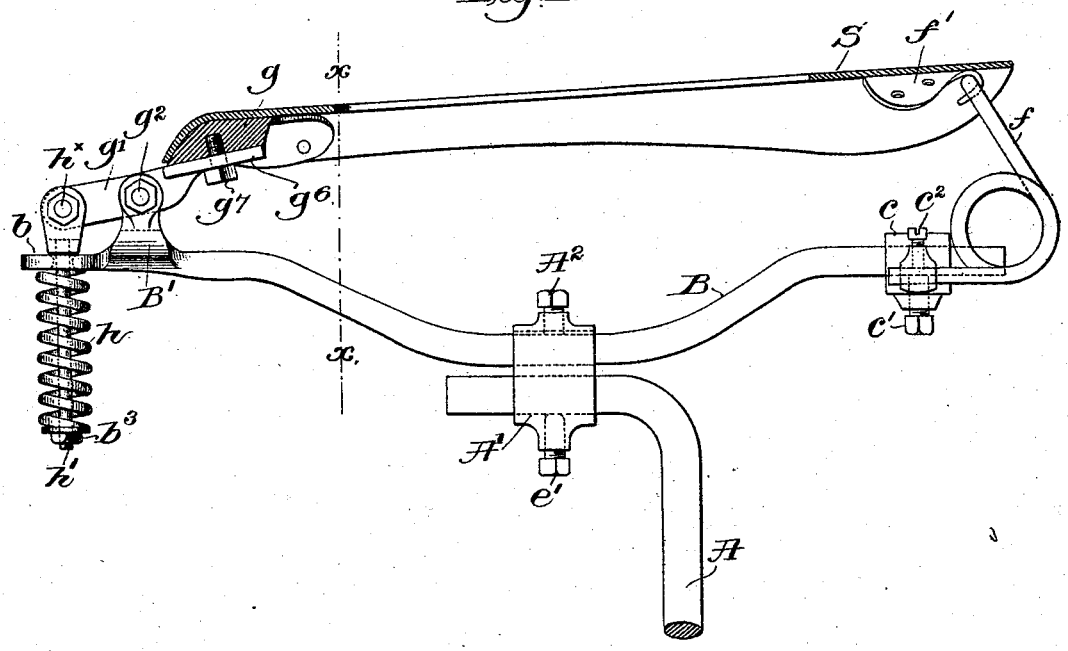
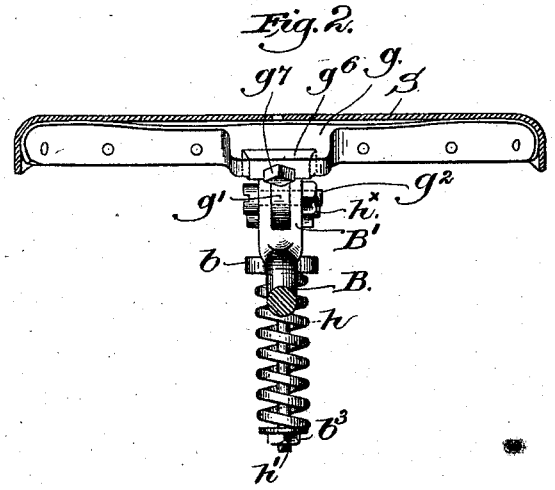


Fig. 2.



Witnesses
Edward F. Allen.
Fred S. Grinnell

Inventor:
George E. Seymour.
by Jenney & Gregory
attys.

UNITED STATES PATENT OFFICE.

GEORGE E. SEYMOUR, OF BOSTON, MASSACHUSETTS.

BICYCLE-SADDLE.

SPECIFICATION forming part of Letters Patent No. 455,363, dated July 7, 1891.

Application filed February 26, 1891. Serial No. 382,857. (No model.)

To all whom it may concern:

Be it known that I, GEORGE E. SEYMOUR, a subject of the Queen of Great Britain, and a resident of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Bicycle-Saddles, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to improve the construction of the seat-support, so that it may readily be adapted to the weight of the rider.

In my invention the cantle of the saddle is mounted on a spring-controlled lever, and by adjusting the effective strength of the spring the cantle of the saddle will support more or less weight, according to the wish of the rider.

Figure 1 in side elevation represents a bicycle-saddle and its support embodying my invention, one-half the seat being omitted; Fig. 2, a section to the left of the line x x, Fig. 1.

The L-pin A has a clamp-block A′, to which is connected by screw A^2 the seat-bar B, adjustable in the block. The front end of the bar has a spring-holder c, shown as a block held in place by screw c'. The holder has secured to it by suitable screws c^2 one or more arms of a spring f, the upper end of which engages a hook-plate f', to which is attached the front end of the seat.

The parts so far described are not claimed herein.

In accordance with this invention I have mounted the cantle g of the seat on the inner end of a lever g', pivoted at g^2 on a suitable lug or stand B′, the said lever having co-operating with it a spring h, so constructed and applied as to normally keep the cantle end of the seat elevated, the said cantle descending under the weight of the rider on the seat. As shown, the spring h is represented as a spiral spring surrounding a bolt or rod h', jointed to the outer end of the said lever at $h^\times$ and guided in an ear b of the bar B, the lower end of the said bolt or rod having applied to it a suitable adjusting device or nut b^3, which supports the lower end of the spring, the upper end of the spring acting against the under side of the ear b.

As shown, the inner end of the lever g' is provided with a dovetailed plate g^6, which enters a dovetailed groove in the cantle, the plate being held in place by a screw g^7.

I claim—

The seat-bar, the seat, and the spring to support the pommel of the saddle, combined with the horizontally-arranged lever g', pivoted to a lug on the seat-bar and having one end rigidly attached to the cantle of the saddle, a bolt h', pivoted to the other end of the lever and extended through an ear of the seat-bar, a spring surrounding the bolt below the ear, and means to adjust the effective strength of said spring, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE E. SEYMOUR.

Witnesses:
GEO. W. GREGORY,
A. S. WIEGAND.