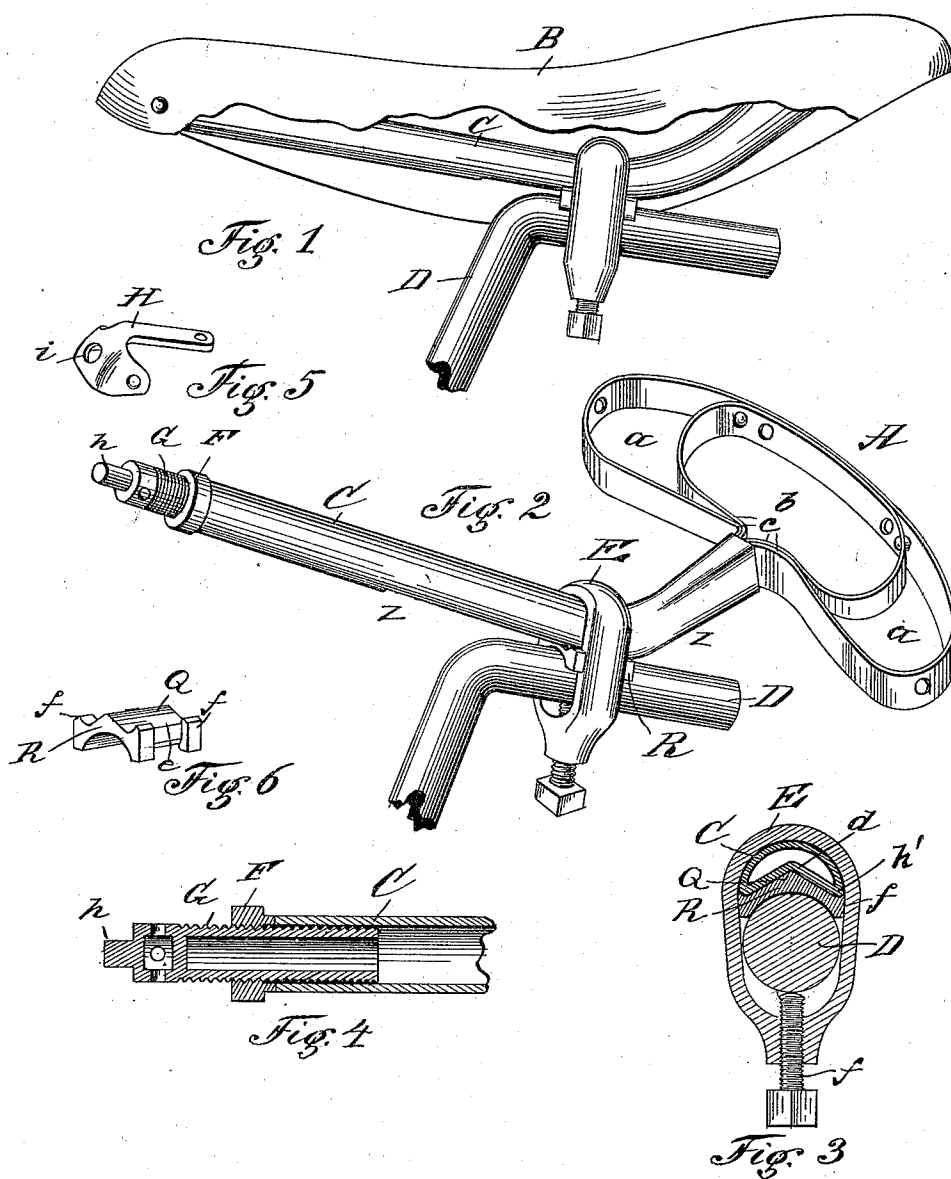


(No Model.)

B. S. SEAMAN.
BICYCLE SADDLE.

No. 546,032.

Patented Sept. 10, 1895.



WITNESSES
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BENJAMIN S. SEAMAN, OF CANTON, OHIO, ASSIGNOR TO THE GILLIAM MANUFACTURING COMPANY, OF SAME PLACE.

BICYCLE-SADDLE.

SPECIFICATION forming part of Letters Patent No. 546,032, dated September 10, 1895.

Application filed February 25, 1895. Serial No. 539,535. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN S. SEAMAN, a citizen of the United States, and a resident of Canton, county of Stark, State of Ohio, have invented a new and useful Improvement in Bicycle-Saddles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification.

My invention relates to improvements in bicycle-saddles; and it consists of certain features of construction and combination of parts, as will be hereinafter described, and pointed out in the claim.

Figure 1 of the drawings is a side elevation, a part of the leather cut away, showing the seat-frame on the forward tip. Fig. 2 is a perspective showing the frame as tipped to the rear. Fig. 3 is a cross-section through the clamp, tube, saddle-piece, and post. Fig. 4 is a longitudinal section through the tightening-screw and a portion of the frame. Fig. 5 is a perspective of the frame-piece by which the front end of the frame is secured to the pommel, and Fig. 6 is a similar view of the saddle-piece.

The prime object sought by this invention is to provide a saddle-frame that is light and strong at a reduced initial cost.

A represents the cantle-frame, or that part secured to the rear portion of the saddle, leather B, and is made of light spring metal formed in oblong loops *a b a*, in form substantially as shown. The ends of the strips *c* that form the said loops *a b a* are passed into the rear end of the tubular portion C of the frame, in which position they are secured.

The intermediate portion of the frame is preferably made of light steel tubing and formed substantially as shown in Fig. 3, having at its under side a V-shaped depression or groove *d*, extending from and between points indicated, as *z z*, the groove to conform to the V-shaped upper side Q of a saddle-piece R that is placed between the tube C and the seat-post D. The under side of the saddle-piece R is adapted to the diameter of the post D, as shown in Fig. 3. At the sides of the piece R there are provided recesses *e* to receive the sides of the clamp E, and up-

turned portions *f* to support the outer edges *h'* of the groove *d*, thus forming a support for the tube, whereby crushing or depressing the tube by the clamp is prevented.

At the front end of the tube C is provided a threaded nut F, in which is turned a tightening-screw G, having a spindle portion *h*, that rests in aperture *i* in frame-piece H, secured to the under side of the pommel or front portion of the seat. In the head of the screw G are provided apertures into which a pin may be placed to turn the screw into or out of the tube C to tighten or slack the seat-leather on the frame.

To tip the frame on the seat-post D, the set-screw *f* is slacked or turned back to ease the clasp, when the frame may be moved in the clasp, the curved portion serving to tip the seat forward or back, as may be desired, after which the parts are secured in desired adjustment by the clamp.

To stretch or tighten the leather seat on the frame, the screw G will be turned out of the nut F a distance and with sufficient force to slightly compress or collapse the spring truss or cantle portion A of the frame, the resilience of which will serve to keep the seat-leather taut for a time, when the screw may be farther turned out. By this operation or accommodation a desired tension may be constantly maintained on the seat.

Having thus fully described the nature and object of my invention, what I claim is—

The combination in a bicycle saddle, of a frame, having an open trussed frame portion or cantle support, a pommel support H, an intermediate tubular section, having at its under side a V shaped groove *d*, a saddle piece R, having an upper V portion Q, adapted to the groove *d* of the tube, a circular under side adapted to the post D, and side recesses *e*, substantially as described and for the purpose set forth.

In testimony whereof I have hereunto set my hand this 9th day of February, A. D. 1895.

BENJAMIN S. SEAMAN.

Witnesses:

W. K. MILLER,
CHAS. R. MILLER.