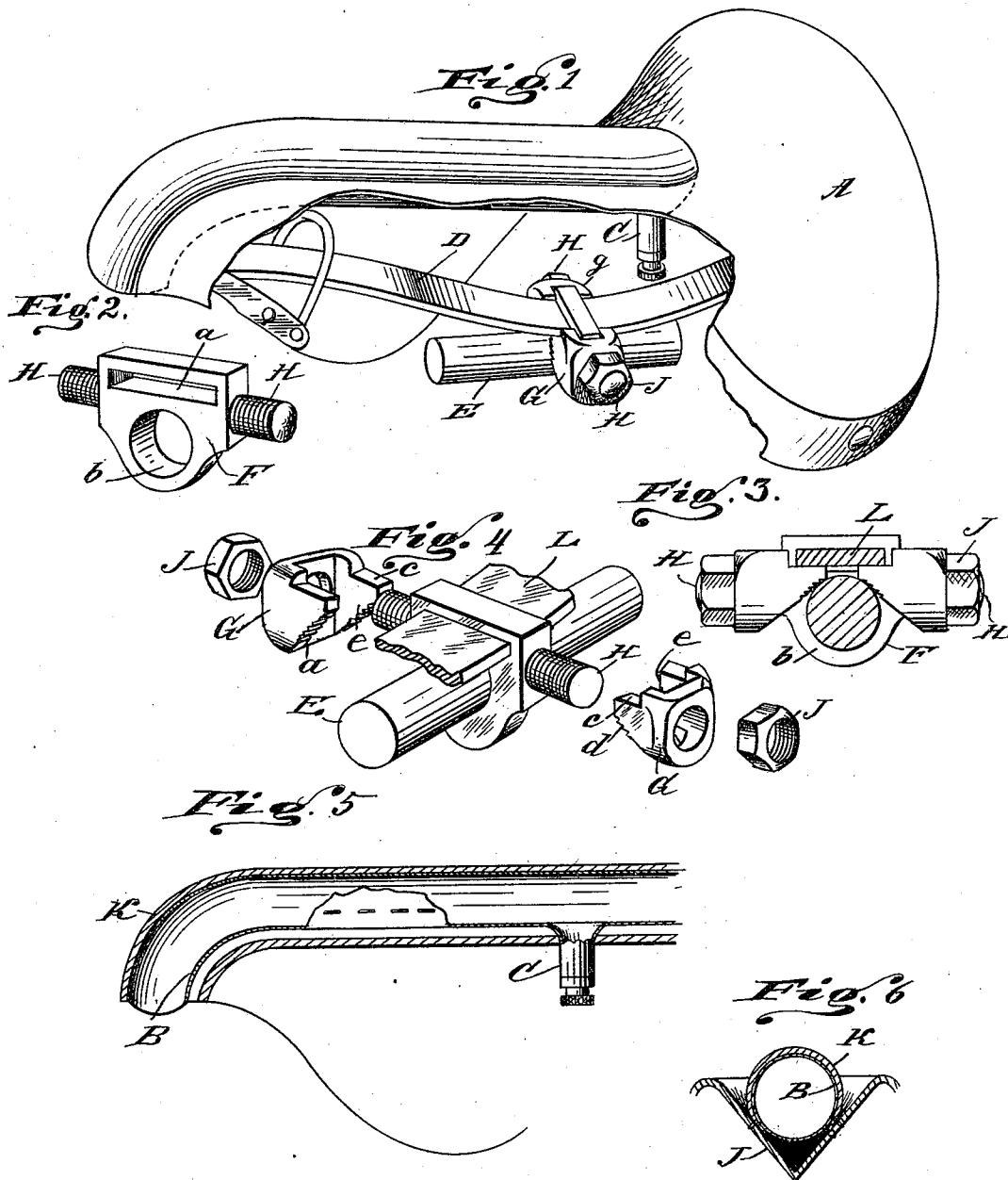


(No Model.)

B. S. SEAMAN.
BICYCLE SADDLE.

No. 578,120.

Patented Mar. 2, 1897.



WITNESSES
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BENJAMIN S. SEAMAN, OF CANTON, OHIO.

BICYCLE-SADDLE.

SPECIFICATION forming part of Letters Patent No. 578,120, dated March 2, 1897.

Application filed July 14, 1896. Serial No. 599,107. (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 means for attaching a bicycle-saddle to the frame and at the same time locking the saddle in any desired adjustment, and in further providing an elastic pneumatic cushion in the horn of the saddle, so located as to take up any jar and prevent injury.

The invention consists, essentially, in the combination of the frame of a bicycle-saddle with a slotted shell through which said frame passes, together with the post of the bicycle, and traveling clamping-blocks grasping both the seat-frame and the bicycle-post and locking them in any desired angle of adjustment, and in providing a leather bicycle-saddle with a pneumatic horn of peculiar construction, thus preserving the rigidity of the seat and locating a yielding pneumatic cushion in the upper central portion of the horn for the purpose of preventing injury to the rider in case of the bicycle striking an obstruction.

In the accompanying drawings, Figure 1 is a perspective view with a portion of the seat cut away, so as to show the mechanism by which the seat-frame is locked to the bicycle-post. Fig. 2 is a perspective view of the slotted shell. Fig. 3 is a front view of the clamping device, showing the relation of the shell to the traveling clamping-blocks. Fig. 4 is a detailed perspective view showing the shell, a portion of the saddle and post-frame and traveling clamping-blocks, the screw-bolts, and the securing-nuts ready to be assembled. Fig. 5 is a sectional view showing the pneumatic cushion in position and a portion thereof cut away, so as to show the means by which it is held in position. Fig. 6 is a front sectional view of the horn of the saddle, showing the pneumatic cushion and its attachment to the horn of the saddle.

In said drawings, A represents the leather saddle, the rear portion of which is of the ordinary form and attached to the saddle-frame

at its rear end by any of the well-known means. The horn thereof is stamped with a V-shaped groove J, and may be attached to the front end of the saddle-frame by any of the well-known devices. In the V-shaped groove J there is placed a pneumatic tube B, having closed ends and provided with the ordinary air-valve C, which passes through the bottom and rear portion of the groove J in the horn of the saddle. This pneumatic tube B is retained and held in position by a leather covering or casing K, the sides of which are attached by stitching or otherwise to the inner sides of the groove J.

The seat-frame D may be of any of the desired shapes. In this instance it is shown as consisting of a flat piece of steel which passes through a longitudinal slot *a* in the retaining-shell F. The retaining-shell with the bicycle-seat is then slipped over and upon the bicycle-post. Integral with the retaining-shell and upon the sides thereof are bolts H H, threaded to receive the securing-nuts I. Over these bolts are passed the recessed traveling clamping-blocks G, having their under and inner edges provided with teeth *d*, which grasp or bite the bicycle-stem E.

The upper edges of the recessed traveling blocks are provided with offsets *c* on either side thereof, which press against the under side and outer edges of the seat-frame and lock the same in any desired angle of adjustment.

Having thus fully described my invention, what I claim is—

1. In a bicycle-seat, the combination with the seat-leather or flexible material having a groove in its pommel-section, of a pneumatic cushion seated in said groove and extending upward above the plane of the saddle leather or material, substantially as set forth.

2. In a bicycle-seat, the combination with the seat leather or material having a groove in its pommel-section, of a pneumatic cushion removably secured in said groove and extending upward above the plane of the seat-section, substantially as set forth.

3. In a bicycle-seat, the combination with the seat leather or material having a longitudinal groove stamped in the pommel-section thereof, of a tubular pneumatic cushion seated in said groove and extending above the

seat-surface, and a covering-strip embracing the upper side of the cushion and having its edges secured to the opposite sides of the groove, substantially as set forth.

5 4. The combination with the seat-frame and post, of a shell having integral laterally-projected threaded studs, a slot, and an aperture beneath the slot, the traveling clamping-blocks having inclined serrated edges and the
10 offsets, *c*, and the binding-nuts, *J*, substantially as set forth.

5. In a bicycle-seat, the combination with

the seat leather or material, the cantle-section of which is of usual form and the pommel-section of which has a central longitudinal 15 groove, of a pneumatic tube seated in said groove and extending above the seat-surface, substantially as set forth.

In testimony whereof I have hereunto set my hand this 25th day of May, A. D. 1896.

BENJAMIN S. SEAMAN.

Witnesses:

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BURT A. MILLER.