(No Model.)

B. S. SEAMAN.

BICYCLE SEAT CLAMP.

No. 605,518. Patented June 14, 1898.

Fig. 1

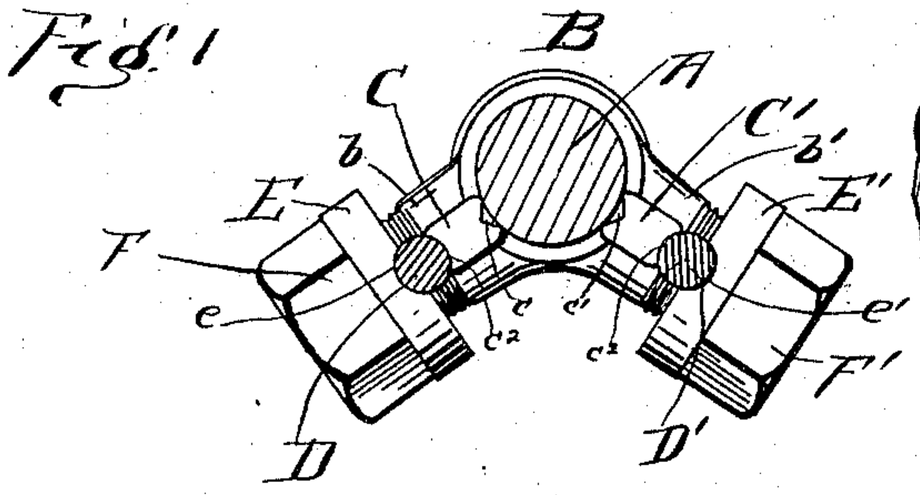


Fig. 2

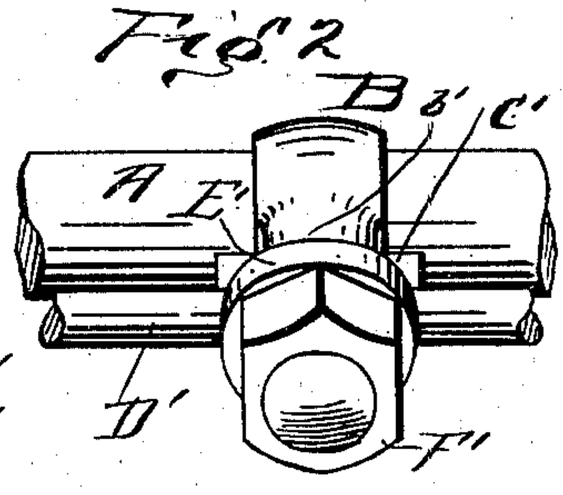


Fig. 3

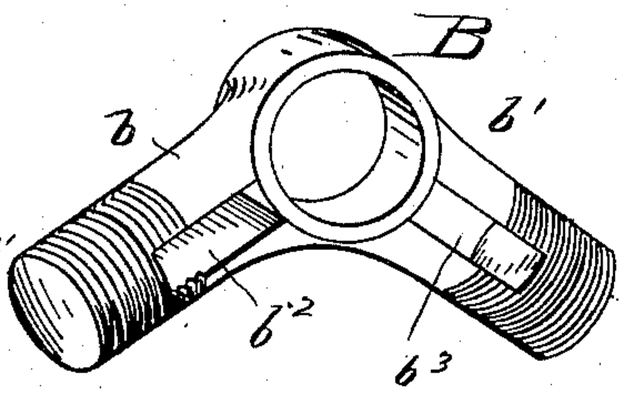


Fig. 4

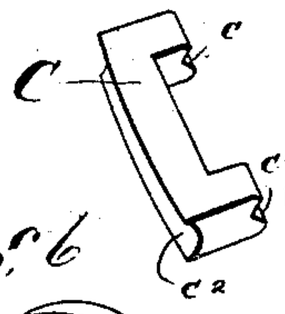


Fig. 5

Fig. 6

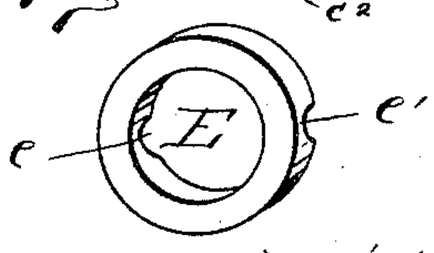


Fig. 7

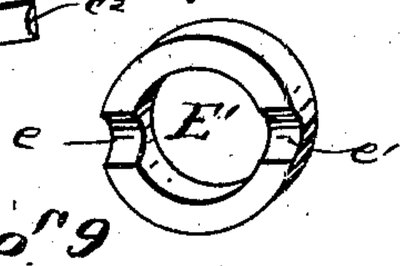


Fig. 8

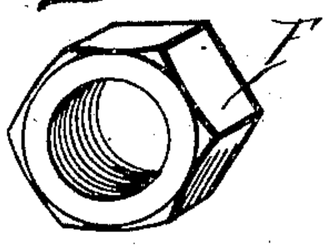
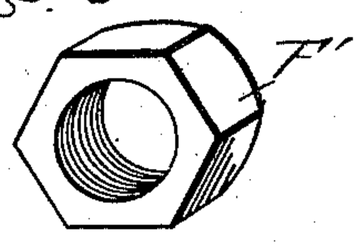


Fig. 9



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ATTY.

UNITED STATES PATENT OFFICE.

BENJAMIN S. SEAMAN, OF CANTON, OHIO.

BICYCLE-SEAT CLAMP.

SPECIFICATION forming part of Letters Patent No. 605,518, dated June 14, 1898.

Application filed October 14, 1897. Serial No. 655,115. (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 the city of Canton, county of Stark, State of Ohio, have invented a new and useful Improvement in Bicycle-Seat Clamps, 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 clamps for bicycle-seat supports; and it consists of certain features of construction and combination of parts by which the springs of the seat-supports are securely held in engagement with the clamping-head at points either above or below the line of the post, as will be hereinafter more fully described and claimed.

In the accompanying drawings similar letters of reference refer to similar parts.

Figure 1 is a front view of the clamping-head, showing the relation of the various parts to each other. Fig. 2 is a side view showing the clamping-head, the post, and the seat-supporting springs. Fig. 3 is a perspective view of the clamping-head. Figs. 4 and 5 are perspective views of the clamping-bits. Figs. 6 and 7 are perspective views of the washers. Figs. 8 and 9 are perspective views of the binding-nuts.

A represents the circular post of a bicycle, upon which there is mounted the clamping-head B, provided with laterally-projecting prongs b b', screw-threaded at their ends and having cut therethrough slots b^2 and b^3, through which are passed the clamping-bits C and C'. The clamping-bits are substantially U-shaped and have upon their upper ends outwardly-projecting groove portions c c' to engage with and bite against the post A. The lower outer surface is slightly curved and provided with a groove c^2 to receive the seat-supporting springs D and D' upon either side of the clamping-head. Washers E and E', having upon their inner surface grooves e and e' to engage the springs D and D', which pass through the slotted apertures b^2 and b^3 in the clamping-head B, are held in engagement thereon by means of the binding-nuts F and F'.

In operation the clamping-bits C and C' are passed through the slotted apertures b^2 and b^3 in the clamping-head B. The springs D and D' of the seat-support are then passed through the apertures heretofore referred to. The washers are slipped on so that the grooves e and e' thereon engage and pass over the springs of the seat-support, and the binding-nuts F and F' are then screwed onto the screw-threaded prongs b and b'. The clamping-head B is then placed in position upon the post A, and the binding-nuts being tightly screwed up the outwardly-projecting groove portions c and c' of the clamping-bits C and C' engage with the post A. Springs D and D' of the seat-support are engaged between the curved grooves c^2 on the clamping-bits and the curved grooves e and e' upon the washers E and E', securely binding the various parts to each other and to the post.

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

1. A clamping-block for bicycle-seat supports, consisting of a clamping-head provided with laterally-depending screw-threaded prongs having slotted apertures therein, clamping-bits adapted to pass through said slotted apertures and provided with outwardly-projecting grooved portions to engage the post on either side of the head, and curved grooved inner edges to receive the springs of the seat-support, washers provided with grooves upon their inner surfaces to engage said springs, and screw-threaded binding-nuts to engage the prongs of the clamping-head, substantially as described and for the purpose set forth.

2. The combination in a bicycle-seat support, of a clamping-head provided with screw-threaded laterally-projecting prongs having slotted apertures therein, with clamping-bits adapted to pass through said slotted apertures and provided with outwardly-projecting grooved portions to engage the post on both sides of the head and binding-nuts, substantially as described and for the purpose set forth.

In testimony whereof I have hereunto set my hand this 30th day of September, A. D. 1897.

BENJAMIN S. SEAMAN.

Witnesses:

CHAS. R. MILLER,

CHAS. M. BALL.