

(No Model.)

A. L. GARFORD.
BICYCLE SADDLE.

No. 568,974.

Patented Oct. 6, 1896.

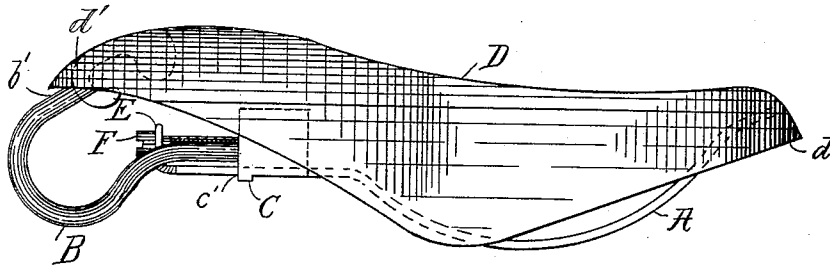


Fig. 1

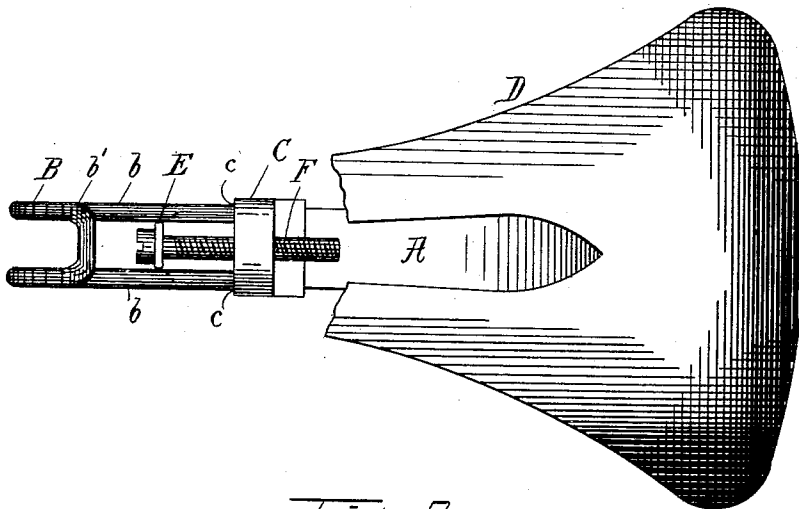


Fig. 2

Witnesses.

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UNITED STATES PATENT OFFICE.

ARTHUR L. GARFORD, OF ELYRIA, OHIO.

BICYCLE-SADDLE.

SPECIFICATION forming part of Letters Patent No. 568,974, dated October 6, 1896.

Application filed March 15, 1895. Serial No. 541,890. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR L. GARFORD, a citizen of the United States, residing at Elyria, in the county of Lorain and State of Ohio, have invented certain new and useful Improvements in Bicycle-Saddles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to bicycle-saddles, and particularly to the variety of saddles which contain a rear seat-support and a front seat-support consisting of two parallel wires, and the object of my invention is to provide novel, cheap, and easily-operated means for adjustably connecting said front and rear seat-supports.

The invention consists in the construction and combination of parts hereinafter described and claimed.

In the drawings, Figure 1 is a side view of my improved saddle, and Fig. 2 is a plan view thereof when a part of the seat-leather is cut away.

Referring to the parts by letter, A represents the rear seat-support, which may be in any desired form and of any suitable material. As shown, the rear seat-support is made of flat spring-steel, a form of rear support which is well known in this art. The rear end of the rear support is bolted or secured in some other suitable manner to the cantle *d* of the saddle.

B represents the front seat-support, which is made of spring-wire, doubled at its middle to form a loop *b'*, two substantially parallel strands *b b*, and the two ends of this wire enter sockets *c c* in a sliding block C. The front loop *b'* of the seat-support B engages with the hook *d'* at the front end of the seat D.

The block C embraces the rear seat-support A, so that it may be moved along said support. The precise form of this block will depend upon the form of the rear support upon which it is to slide. In the form shown it is provided with a slot *c'*, through which the

support A passes and in which it is adapted to slide.

On the front end of the rear support A is a plate E, through which is formed a hole *e*. This plate may be the upturned end of the spring, as shown; but this is a detail of the particular saddle shown, the essential characteristic of the relation between the seat-support A and the saddle-plate E being this, viz: that when the parts constituting the saddle are assembled their relative positions shall be fixed.

F represents an adjusting-screw adapted to pass through a hole in the plate E and to screw into a threaded hole in the block C between the sockets which contain the ends of the spring B. The head *f* of said screw lies in front of the plate E and abuts against it.

The construction above described is obviously both simple and effective. The screw may be turned by a screw-driver operated from the front of the saddle instead of from beneath and without removing the saddle from the bicycle, and by turning the screw the block C may be moved forward, thus tightening the seat, or it may be permitted to move backward to loosen the seat.

Having described my invention, I claim—

In a bicycle-saddle, the combination of the rear seat-support made of flat spring-steel having its front end upturned, and a block which embraces and is adapted to slide upon said seat-support, with a curved wire spring having two strands, the rear ends of which are seated in sockets in said block, and a screw which passes loosely through a hole in the upturned end of the rear seat-support and which screws into a threaded hole in the said block, said screw having a head which abuts against the front side of said upturned end, substantially as and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

ARTHUR L. GARFORD.

Witnesses:

P. H. BOYNTON,
FRED N. SMITH.