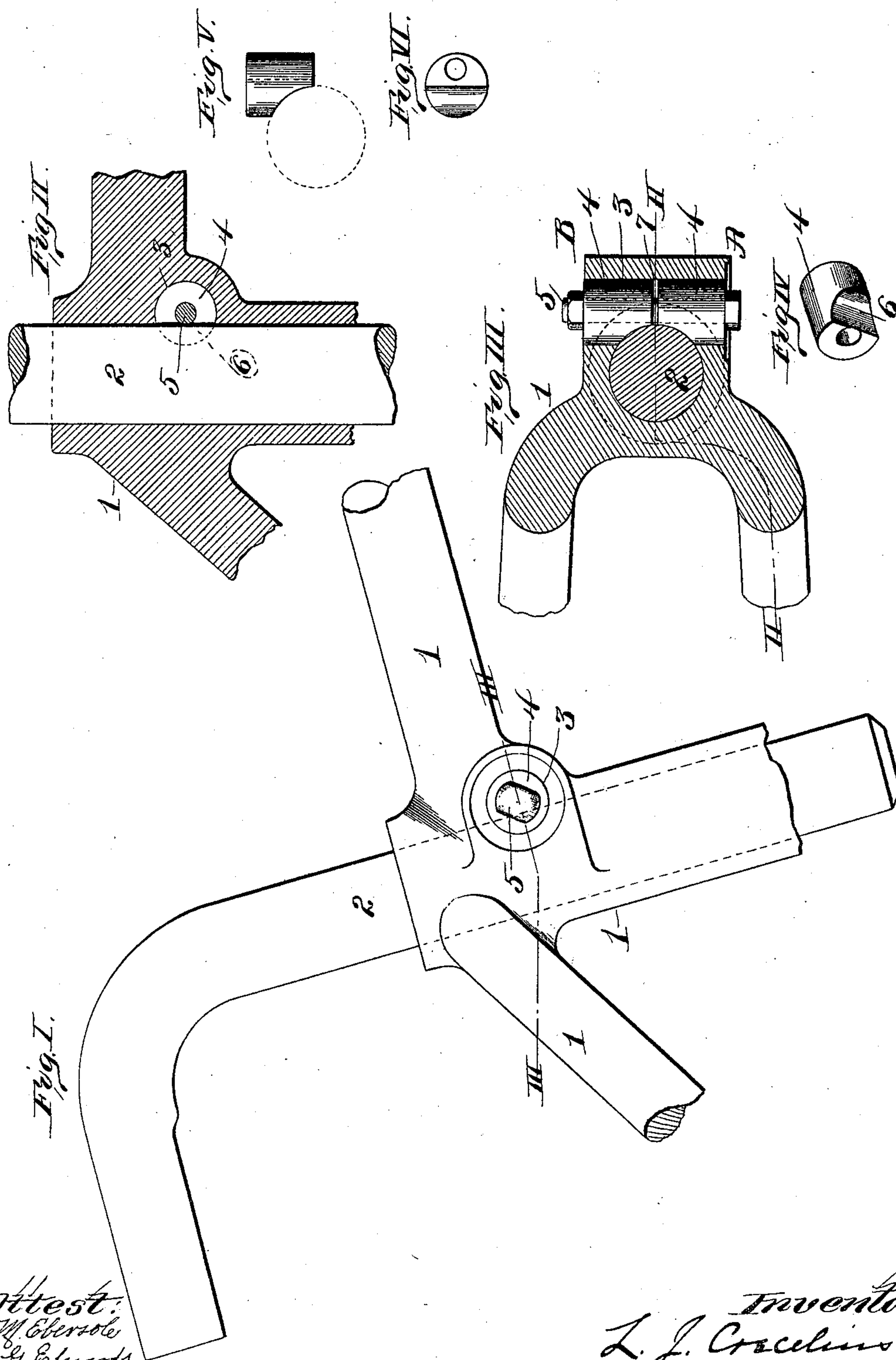


(No Model.)

L. J. CRECELIUS.  
CLAMPING DEVICE FOR BICYCLES.

No. 519,667.

Patented May 8, 1894.



Attest:  
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# UNITED STATES PATENT OFFICE.

LOUIS J. CRECELIUS, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF TO  
WILLIAM GRAYSON, OF SAME PLACE.

## CLAMPING DEVICE FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 519,667, dated May 8, 1894.

Application filed January 20, 1894. Serial No. 497,468. (No model.)

*To all whom it may concern:*

Be it known that I, LOUIS J. CRECELIUS, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Clamping Devices for Bicycles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a device for clamping and holding the parts of a bicycle, such for instance, as the seat post, the pedals, the handle bars, &c. I have shown the device applied for holding the seat post.

My invention consists in features of novelty hereinafter fully described and pointed out in the claim.

Figure I is a view showing part of a bicycle frame, and the seat post, with my improvement applied. Fig. II is a section taken on line II—II, Fig. III. Fig. III is a section taken on line III—III, Fig. I. Fig. IV is a perspective view of one block of the clamp. Figs. V and VI show a modification.

Referring to the drawings:—1 represents a part of the frame of a bicycle, 2 represents the seat post fitting in a socket of the frame, as usual, and adapted to be raised or lowered to suit the rider.

3 represents a socket in the frame 1 which extends transversely or at right angles to the socket in which the seat post fits (see Fig. III).

4 represents blocks or spools fitting in the socket 3 and which are perforated to receive a bolt 5. Their inner ends, on the side next to the seat post, are recessed, as shown at 6, to fit against the cylindrical surface of the

post. When the parts are in place there is a space 7 between the inner ends of the blocks so that when the bolt 5 is tightened the blocks will not abut at their inner ends, but the surfaces 6 will be pressed firmly against the seat post, and the post will thus be held firmly from either vertical or rotary movement, due to the friction or pressure of the blocks against it. With this device there is an equal strain upon the frame back of the post; that is to say, the same strain exists at A as there is at B, so that there is no tendency to break or crack the frame, as is the case where an ordinary key is used.

The device is cheap and durable, can be quickly and easily applied by any inexperienced person, and when tightened will hold the part adjusted firmly and rigidly in place.

In Fig. IV I have shown the perforations on the blocks concentric with the outer surfaces of the blocks, while in Figs. V and VI I have shown the perforations eccentrically arranged, as may be preferred in some instances.

I claim as my invention—

In combination with the frame of a bicycle having a socket to receive the part to be clamped and a socket extending transversely thereto, a pair of blocks adapted to fit in said last mentioned socket and being notched to bear against the object to be clamped, and a bolt for drawing said blocks together, substantially as and for the purpose set forth.

LOUIS J. CRECELIUS.

In presence of—

A. M. EBERSOLE,  
C. G. EDWARDS.