

(No Model.)

W. N. BEARDSLEY.
BICYCLE LAMP BRACKET.

No. 541,804.

Patented June 25, 1895.

Fig. 1.

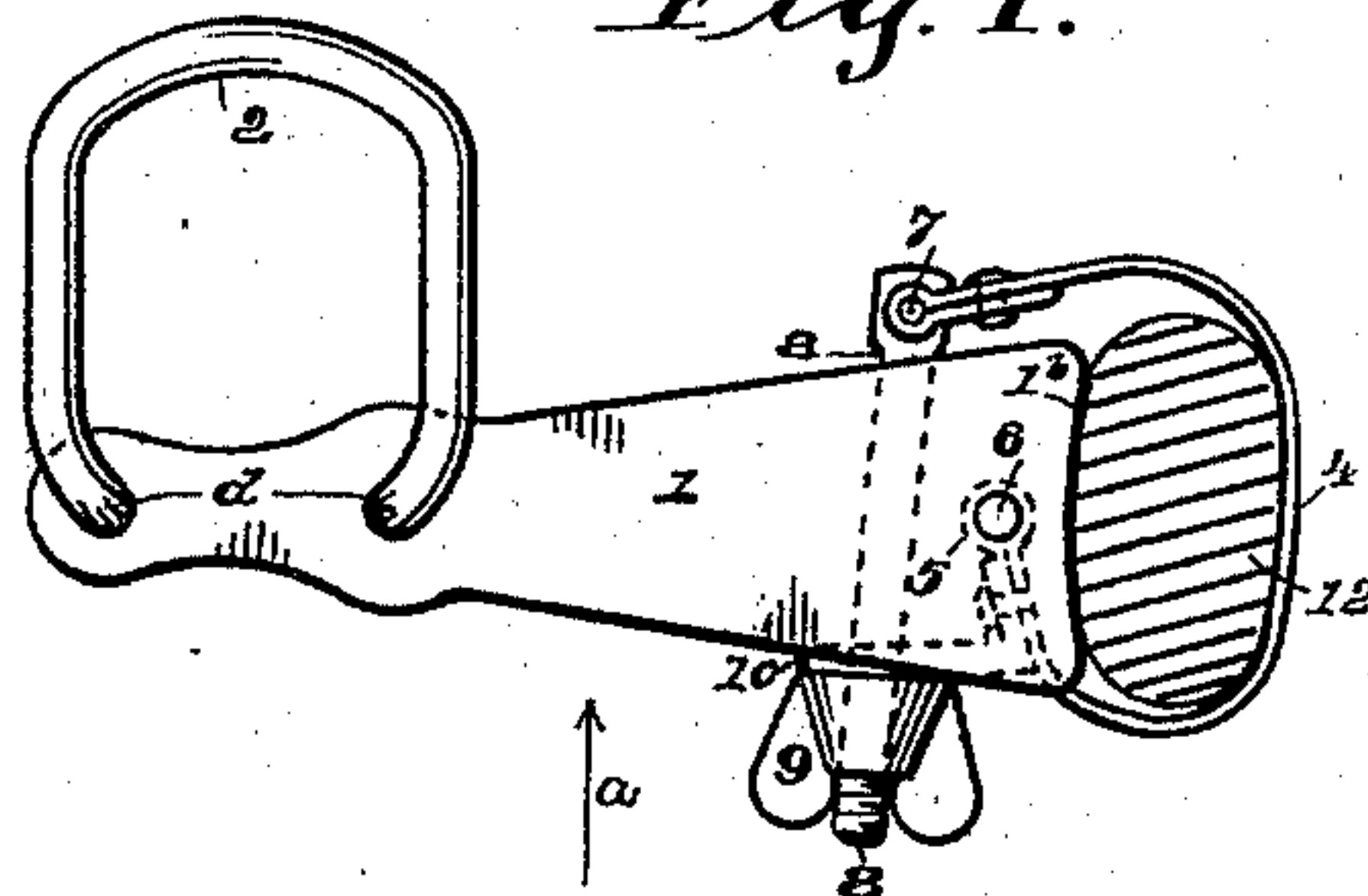


Fig. 2.

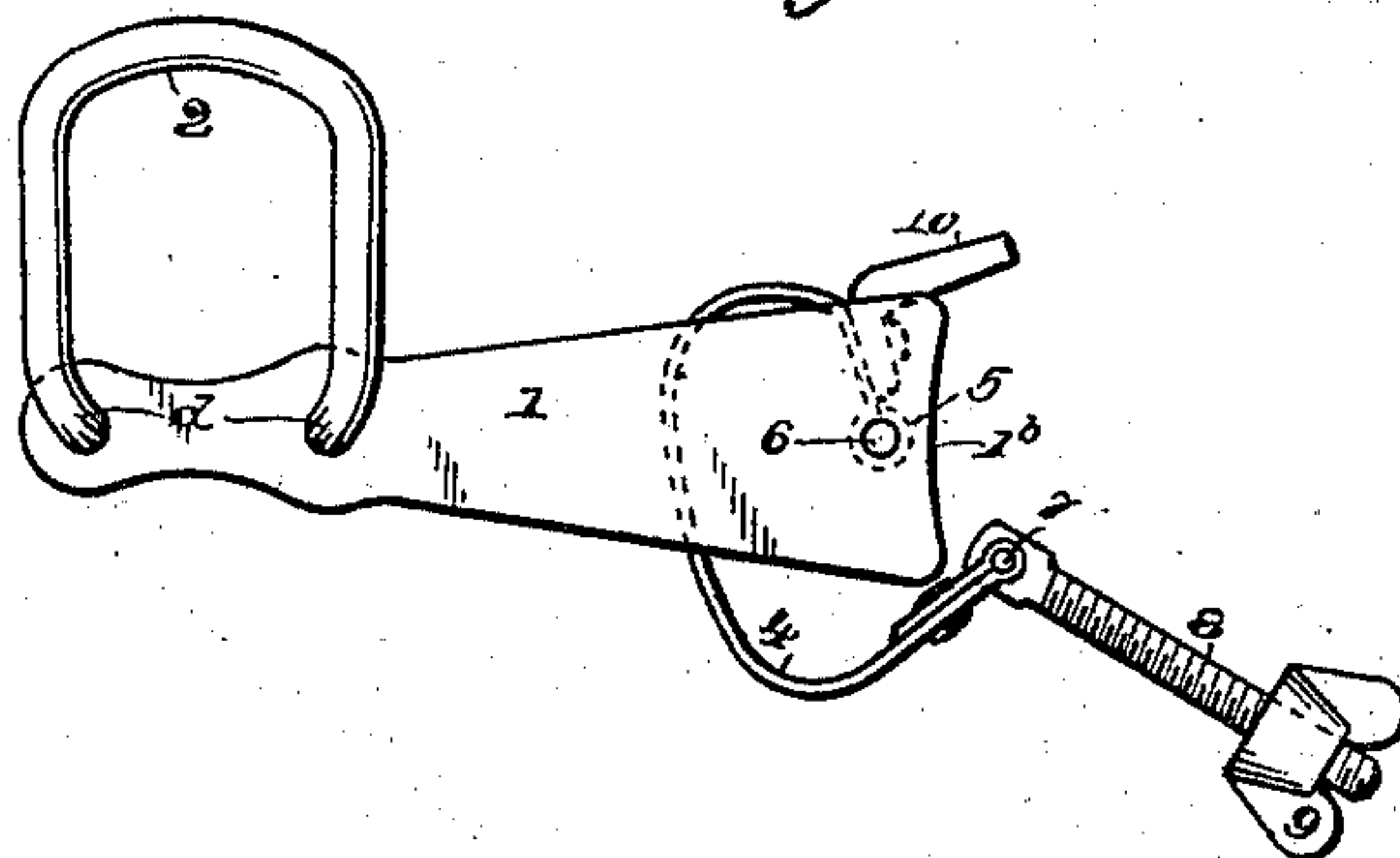


Fig. 3.

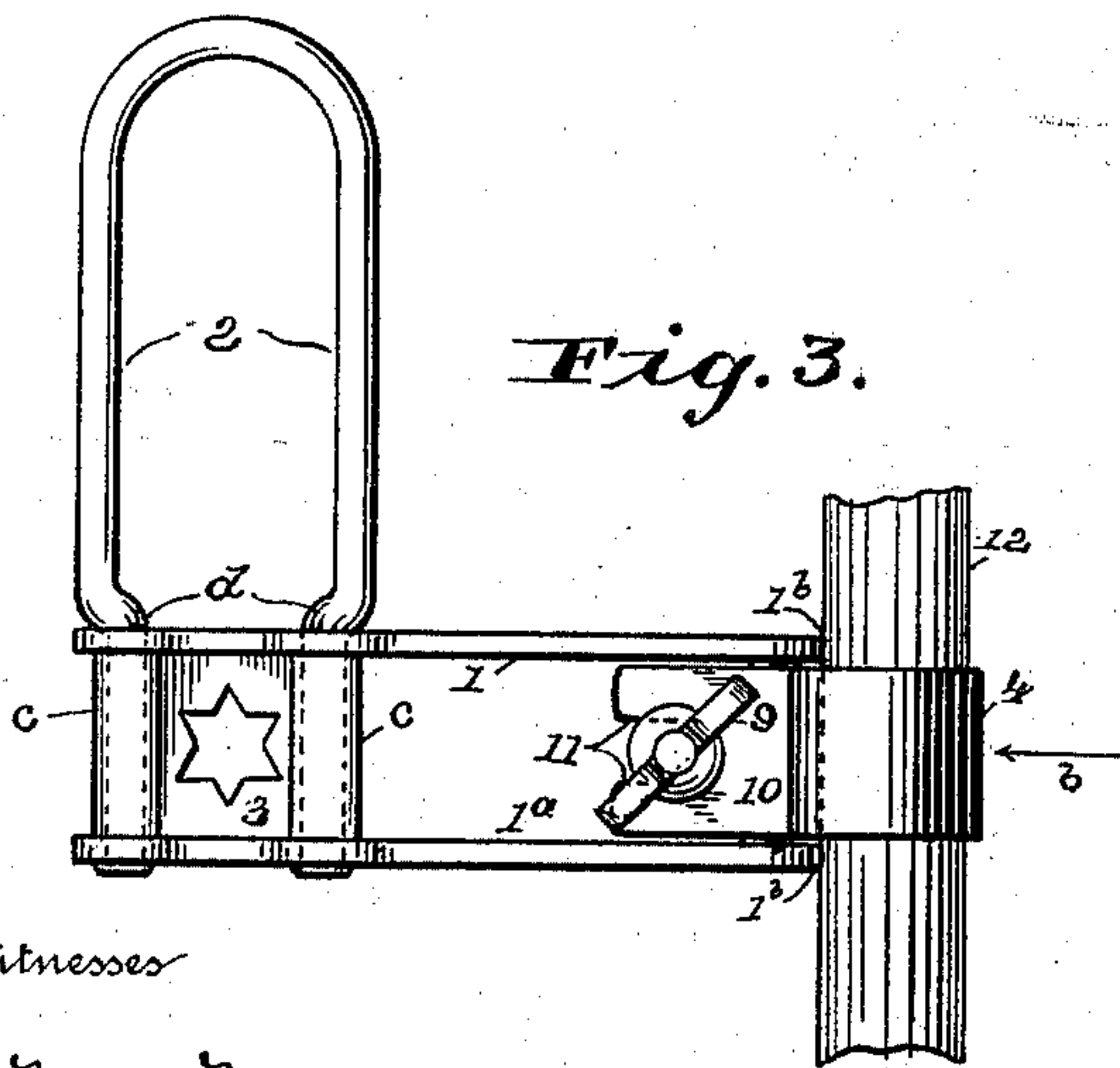
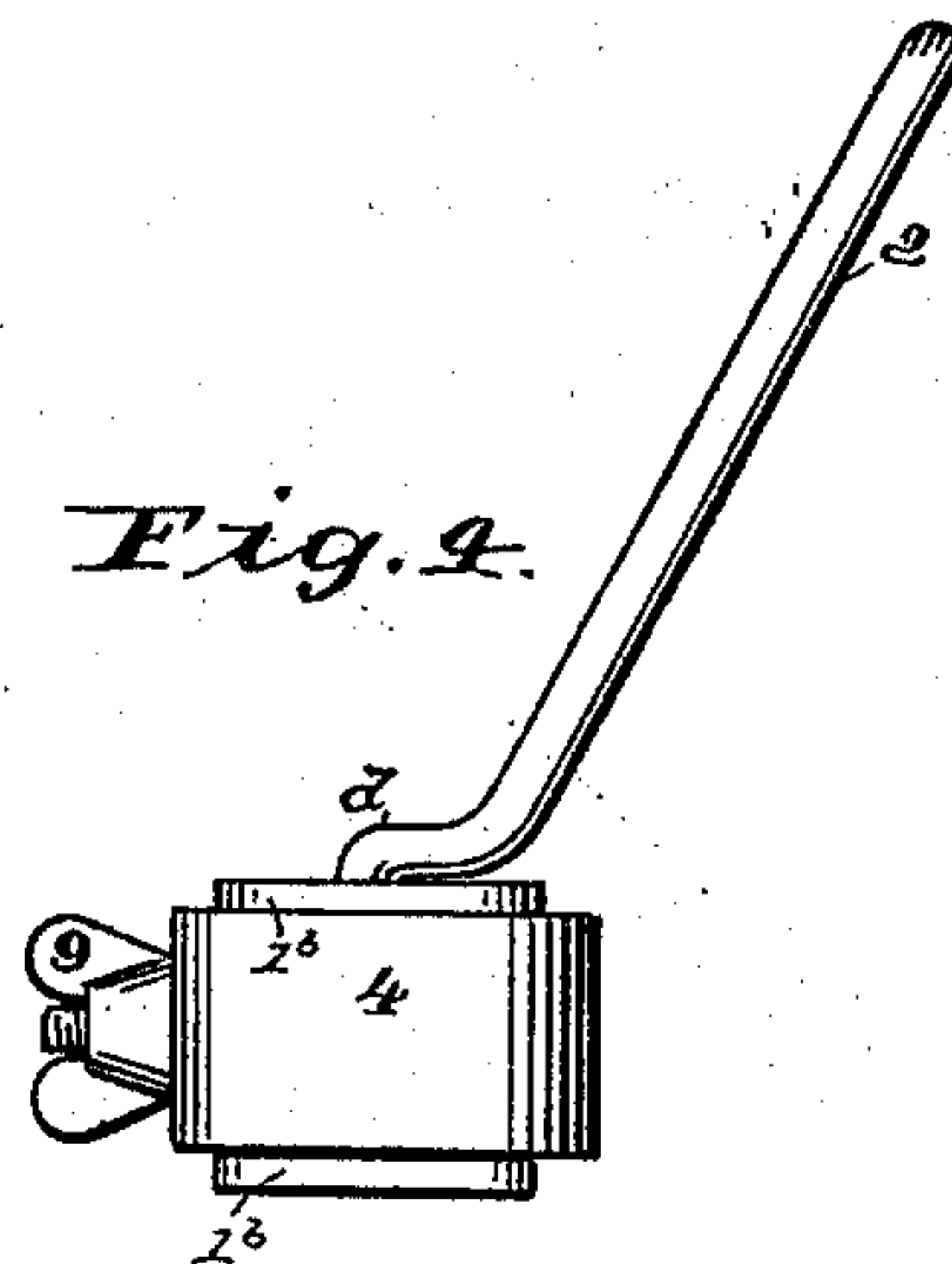


Fig. 4.



Witnesses

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By his Attorney

Inventor

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UNITED STATES PATENT OFFICE.

WILLIAM N. BEARDSLEY, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO MARCELLUS HARTLEY AND MALCOLM GRAHAM, OF NEW YORK, N. Y.

BICYCLE-LAMP BRACKET.

SPECIFICATION forming part of Letters Patent No. 541,804, dated June 25, 1895.

Application filed April 19, 1895. Serial No. 546,297. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM N. BEARDSLEY, a citizen of the United States, and a resident of Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Bicycle-Lamp Brackets, of which the following is a specification.

My invention relates to lamp-supporting brackets for bicycles and it is especially adapted to be applied to the fork part of the machine instead of the head, as formerly placed, so as not only to bring the lamp near the ground for a clearer view of the road, but also closer to the cyclometer or registering device located on the front axle of the machine.

To enable others to understand my invention reference is had to the accompanying drawings, in which—

Figure 1 represents an upper plan view of the lamp bracket showing the clamp in locked position about one of the forks of the bicycle, the latter being shown in sectional view; and Fig. 2 is a plan view of the bracket showing the clamping device unlocked and thrown back so as to remove the bracket from the fork. Fig. 3 is a side elevation of the bracket looking in the direction of arrow *a* of Fig. 1. Fig. 4 is a rear end elevation of the bracket looking in the direction of arrow *b* of Fig. 3.

Its construction and operation are as follows:

1, 1^a are the upper and lower arms of the supporting frame of the bracket, which frame consists, simply, of a piece of metal bent around so that such arms 1, 1^a are on the same horizontal plane. At the free ends of such arms is placed the lamp support 2 consisting of a wire loop whose free ends extend through the said arms 1, 1^a of the bracket and such ends riveted thereto.

To keep the arms 1, 1^a parallel and firm the sheet metal support 3 is placed between the same whose free ends are turned over to form the eyes *c* through which eyes also pass the free ends of the before mentioned wire loop 2, which latter arrangement serves to prevent displacement of the support 3. The offsets *d* of the lamp support 2 form anvils or supports for the upper arm 1, so that when the free

ends of the wire support are riveted or headed against the lower surface of the arm 1^a the brace or support 3 will be firmly held between the arms of the bracket.

4 is the sheet metal clamp having the eye 5 formed in one end, which eye is journaled on the pin 6, the ends of which are fastened in holes in the arms 1 and 1^a. This pin should be located in the center, transversely, of such arms, for the purpose hereinafter to be more fully described, and close to the vertical end wall 1^b of the bracket.

In the free end of the clamp 4 is formed the eye to receive the pin 7 on which pin is pivotally hung the clamping screw 8 carrying on its threaded end the thumb nut 9. On the said clamp, and in rear of the pivotal point, is located the forked portion 10 whose opening 11 serves to admit the body of the clamping screw 8 and against whose outer face the nut 9 is supported.

The operation of the device is as follows: To attach the bracket to one of the branches of the fork of a bicycle the clamp 4 is swung around in the position shown at Fig. 2, so that the fork will lie against the end 1^b of said bracket. The clamp is then brought around the fork 12 (Fig. 1) turning on its pivot carrying the forked projection 10 to the opposite side (Figs. 1 and 3) of the bracket from what it occupied when open, as shown at Fig. 2. The clamping screw also passes between arms 1, 1^a and into the fork opening of the projecting piece 10 when the clamp is firmly locked by means of the nut 9. The clamp being made of sheet metal will conform to the different forms and sizes of the fork which vary in different bicycles.

The object of pivoting the clamp midway of the arms of the bracket serves a threefold purpose: first, the clamp swings clear of the bicycle fork, so that the bracket may be readily attached or detached therefrom; second, by simply reversing or turning over the bracket on its pivotal pin 5 it can be made right or left handed and used on either branch of the bicycle fork required, and third, as there is but little room between the wheel and the two branches of the fork there should be no obstruction placed there that would be lia-

ble to come in contact with the spokes of the wheel. Therefore, as this sheet metal clamp is thin it will occupy but little space and the clamping screw and nut, by reason of the central pivotal point, before mentioned, will be located to one side where there is plenty of room to operate them.

It will, of course, be understood that, while the above described bracket is especially designed for use on either of the branches of the fork of a bicycle I hold myself at liberty to attach it to any other part of the machine where this can be done without materially changing its construction.

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

1. A bicycle-lamp bracket, comprising in combination, the frame as shown, having arms 1, 1^a parallel with each other, vertical end wall 1^b, clamp 4 pivotally hung between said arms and near the vertical wall thereof, said clamp carrying at one end a clamping screw and nut and at the opposite end means for locking said clamp, lamp support 2 situated at the outer extremity of said arms and a sup-

port or brace 3 between said arms, for the purpose hereinbefore described.

2. A bicycle-lamp bracket, of the character described, comprising in combination, arms, 1, 1^a, vertical end wall 1^b, the free ends of said arms carrying the lamp support, a swinging clamp pivotally supported between said arms and central therewith and near the vertical end wall thereof, said clamp carrying on one end a clamping screw and nut and on the opposite end means for locking the same, so that, by reason of such central pivotal support of said clamp it will swing clear of the end wall of the bracket so that such bracket can be readily attached or detached from the bicycle fork, and also, the clamping screw can be manipulated from the side of said bracket, as described and for the purpose set forth.

Signed at Bridgeport, in the county of Fairfield and State of Connecticut, this 5th day of April, A. D. 1895.

WILLIAM N. BEARDSLEY.

Witnesses:

CHARLES W. MANN,
LEWIS F. PELTON.