

(No Model.)

J. W. BRAGGER.
HOLDER FOR BICYCLE LAMPS.

No. 597,947.

Patented Jan. 25, 1898.

Fig. 1.

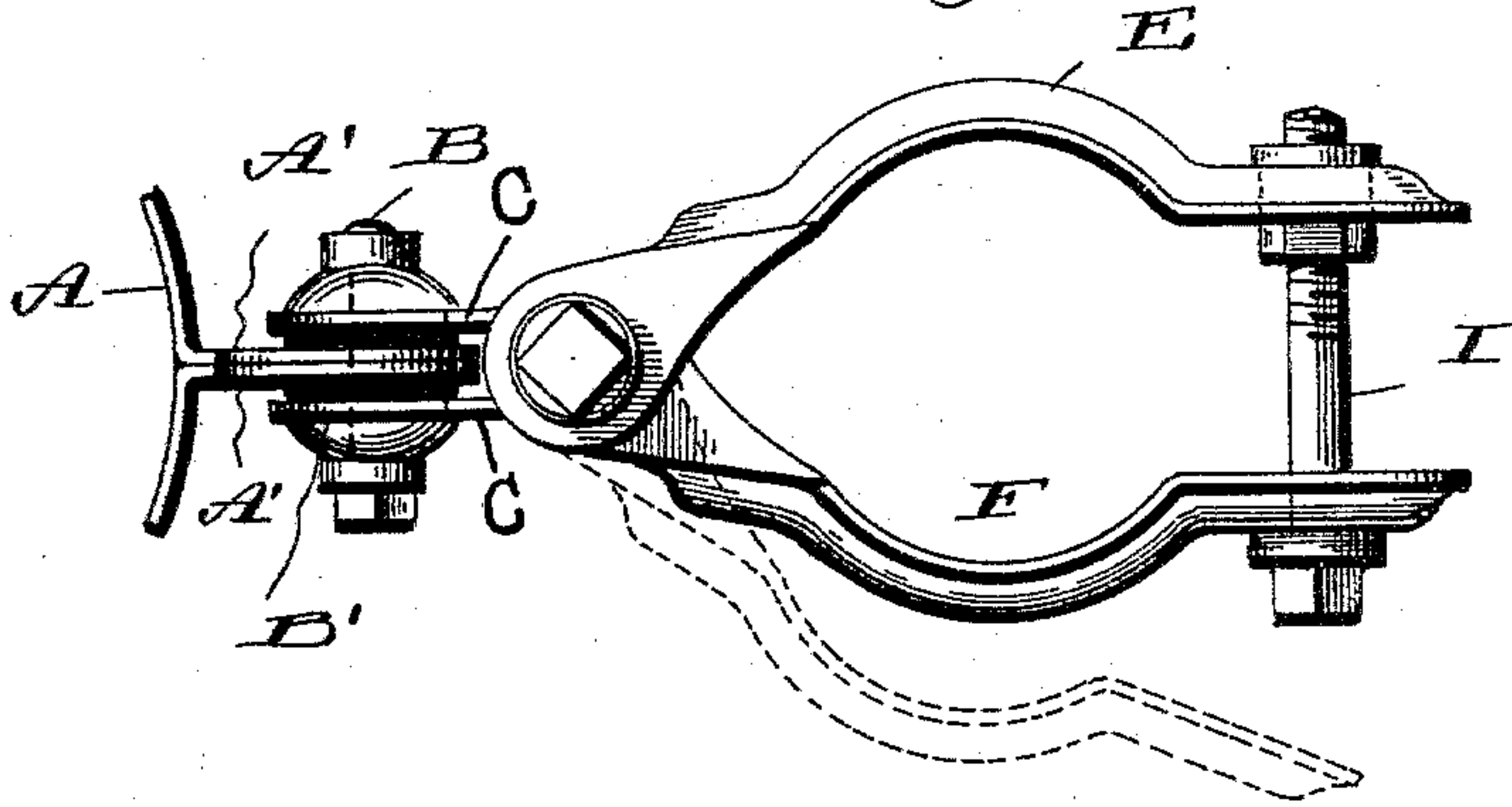


Fig. 2.

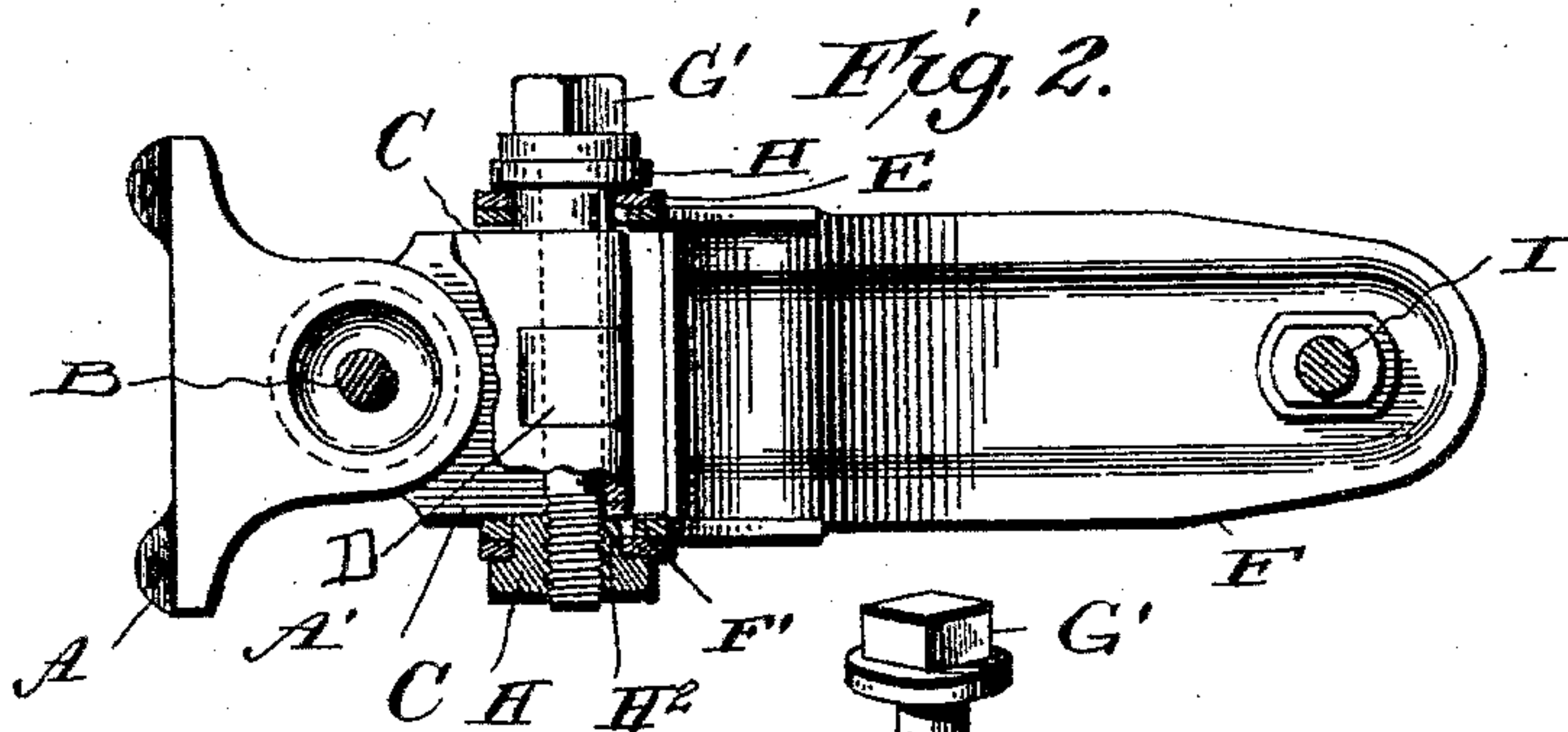
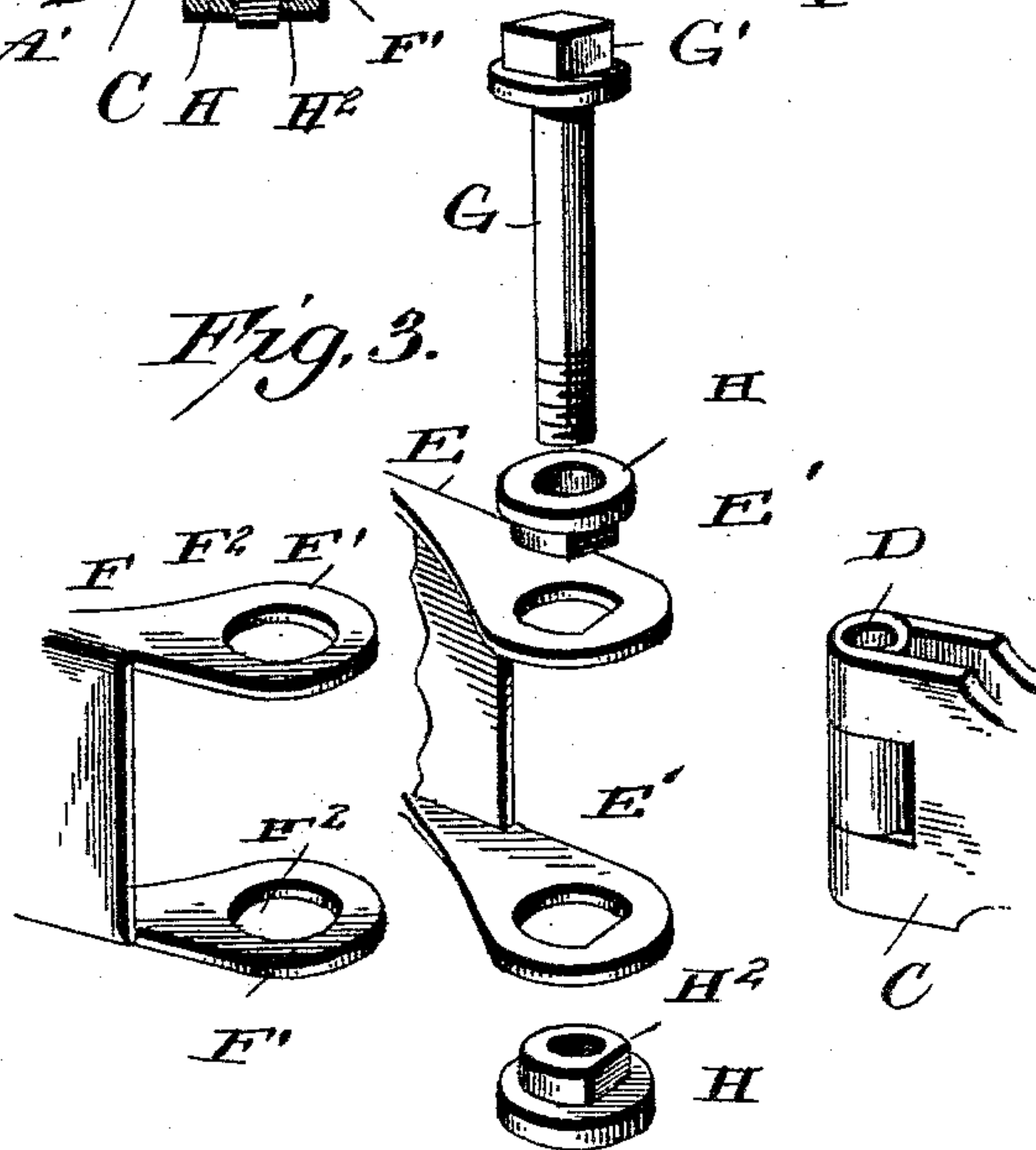


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN W. BRAGGER, OF WATERTOWN, NEW YORK, ASSIGNOR TO THE
HITCHCOCK LAMP COMPANY, OF SAME PLACE.

HOLDER FOR BICYCLE-LAMPS.

SPECIFICATION forming part of Letters Patent No. 597,947, dated January 25, 1898.

Application filed August 23, 1897. Serial No. 649,220. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. BRAGGER, a citizen of the United States, residing at Watertown, in the county of Jefferson and State of New York, have invented certain new and useful Improvements in Holders for Bicycle-Lanterns; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in brackets or supports for bicycle-lamps, and it relates more particularly to that class of lamp-brackets which are commonly known as "rigid" brackets.

The invention has for its object to simplify and cheapen the construction and to provide a lamp-bracket of the character mentioned consisting of two clamping-jaws so arranged in relation to the other parts of the bracket as to permit the bracket to be readily attached to the head or other portion of the bicycle-frame.

In the construction of a bicycle-lamp bracket of the class referred to it is quite essential that one of the clamping jaws or arms which engage the bicycle-head should be held rigidly or in a fixed position with reference to the lamp while the other jaw is permitted to rotate. In order to effect this, it has been proposed to retain the fixed jaw by frictional contact between the ears or by forcing one set of ears against the ends of the tubular portion or knuckle of the bracket to which the jaws are attached. This construction, however, has been found to be in some respects objectionable; and a further and essential object of the present invention resides in the provision of means whereby one of the jaws is locked positively against rotation while the opposing jaw is permitted to rotate.

To this end and to such others as the invention may pertain the same consists in the novel features of construction and in the arrangement and combination of parts, all as more fully hereinafter described, shown in

the accompanying drawings, and then specifically defined in the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which drawings—

Figure 1 is a top plan view of a lamp-bracket embodying my invention. Fig. 2 is a side elevation of the same, partly in section. Fig. 3 is an enlarged detail view in which the several parts are shown as detached, but in their relative positions.

Reference now being had to the details of the drawings by letter, A and A represent two metallic plates which are adapted to be riveted or otherwise attached to a bicycle-lamp, the said plates being provided with rearwardly-extended portions A' at right angles to the portions attached to the lamp, these rearwardly-extended portions constituting ears, through which a bolt B is passed, thus forming a joint permitting the vertical adjustment upon the arc of a circle, as will be readily understood; but as this feature of the bracket forms no part of the present invention, but is merely shown incidentally in order to illustrate the invention, a detailed description of the joint in question is not deemed to be essential, and hence will be omitted.

C C represent metallic plates which have openings adjacent to their rear ends, through which is passed the bolt B of the joint B', the opposite ends of the said plates C being curved to form a tubular portion or hinge-joint D.

E and F are two opposed clamping-jaws, which at their rear ends are provided with horizontally-extended ears E' and F'. These ears, when the jaws are assembled, embrace the ends of the tubular portion D, the ears E' upon the jaw F contacting with the upper and lower ends of the said tubular portion, while the ears E' upon the jaw E contact with the outer faces of the said ears F'. A bolt G, having, preferably, a polygonal head G', is passed downward through the ears of the jaws and the tubular portion D and serves to retain the parts in place. The jaw F is provided with round openings F², through which the bolt G passes, and hence is permitted to

rotate or turn freely upon the bolt. In order that the jaw E may be positively locked against rotation upon the bolt G, the openings E², which are provided in the ears E' of the jaw E, are made flat upon one side of the opening, and washers H are provided with a flattened side H², which engages the flattened side of the opening in the ear and thus serves to lock the jaw against rotation. The washer H is of sufficient thickness to permit it to pass entirely through both ears and to bear against the ends of the tubular portions D, the thickness of the washer being slightly greater than the combined thicknesses of the two ears through which it passes, thus preventing the possibility of binding the ears against the tubular portion D in tightening the bolt G.

It will of course be understood that the jaws E and F are provided for the purpose of clamping the bracket to the head or other portion of the bicycle and that the jaws are locked thereto by a transverse bolt I or other suitable securing means.

Although I have in the drawings shown a construction in which angular washers are used at both ends of the bolt, it is at once evi-

dent that one of these washers may, if preferred, be omitted.

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

A bracket for lanterns, comprising in combination the tubular portion of the hinge, the opposed clamping-jaws E and F, provided with ears embracing the ends of the said tubular portion of the hinge, the ears of jaw F having circular registering apertures, the jaw E having apertures partially rounded, each with a flattened side, a bolt passing through said apertures and tubular portion, the washers H, one of which is screw-threaded and serves as a nut, which is shouldered as at H², said washers designed to be seated in the registering apertures in the ears, and the flattened portions of the washers to bear against the flattened sides of the said apertures, all substantially as and for the purpose set forth.

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

JOHN W. BRAGGER.

Witnesses:

FRANKLIN H. HOUGH,
J. M. PFEIFFER.