

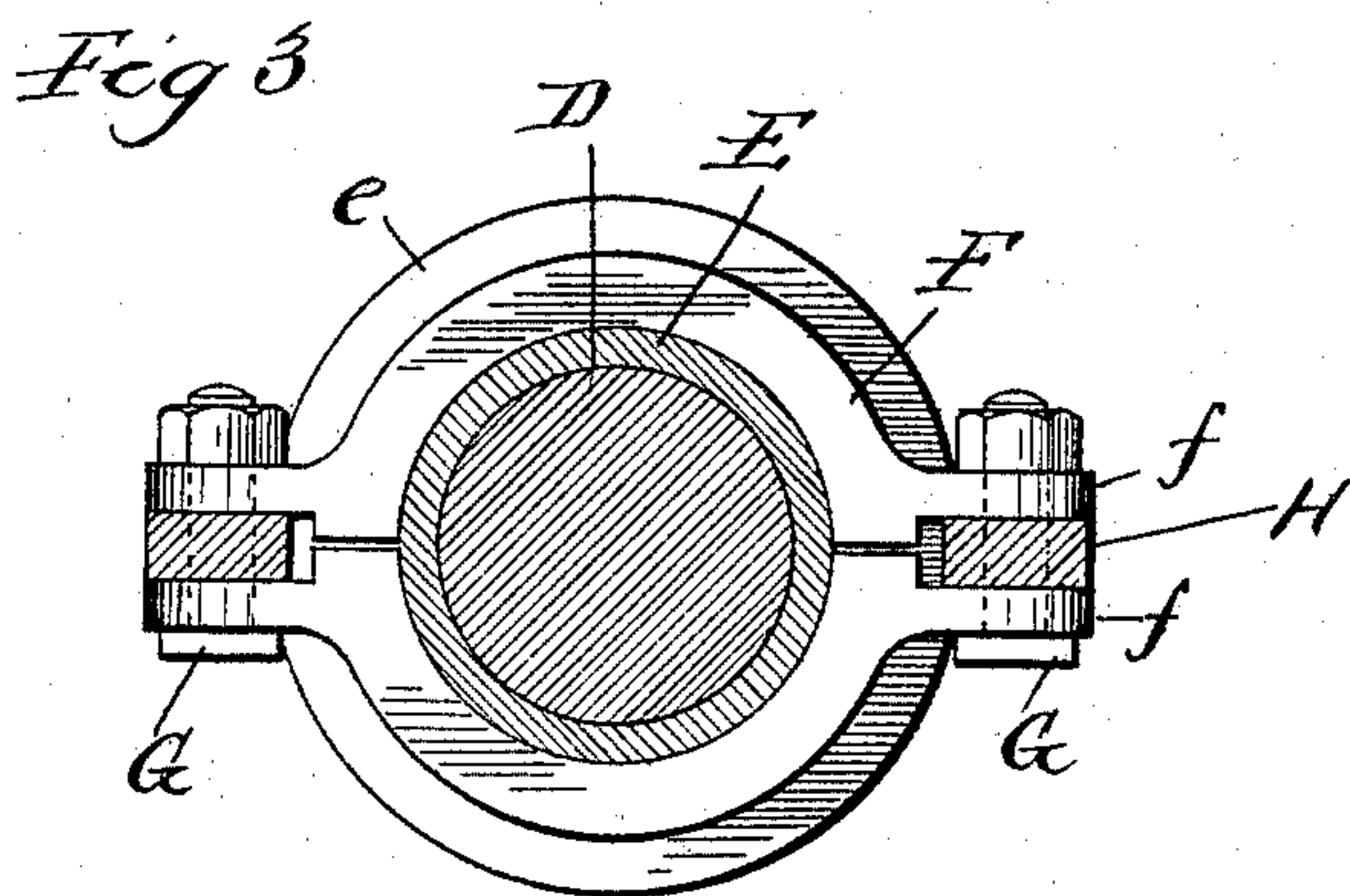
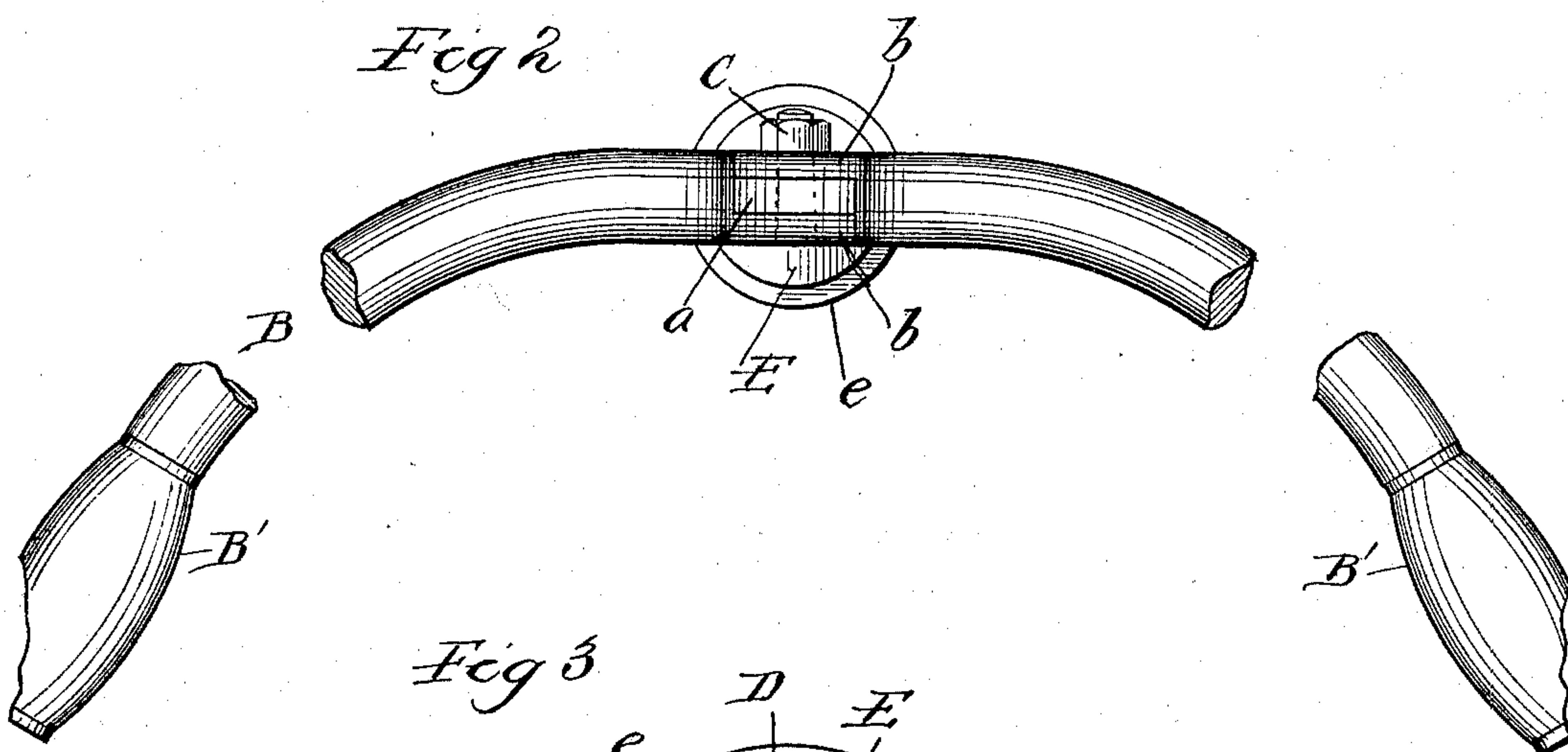
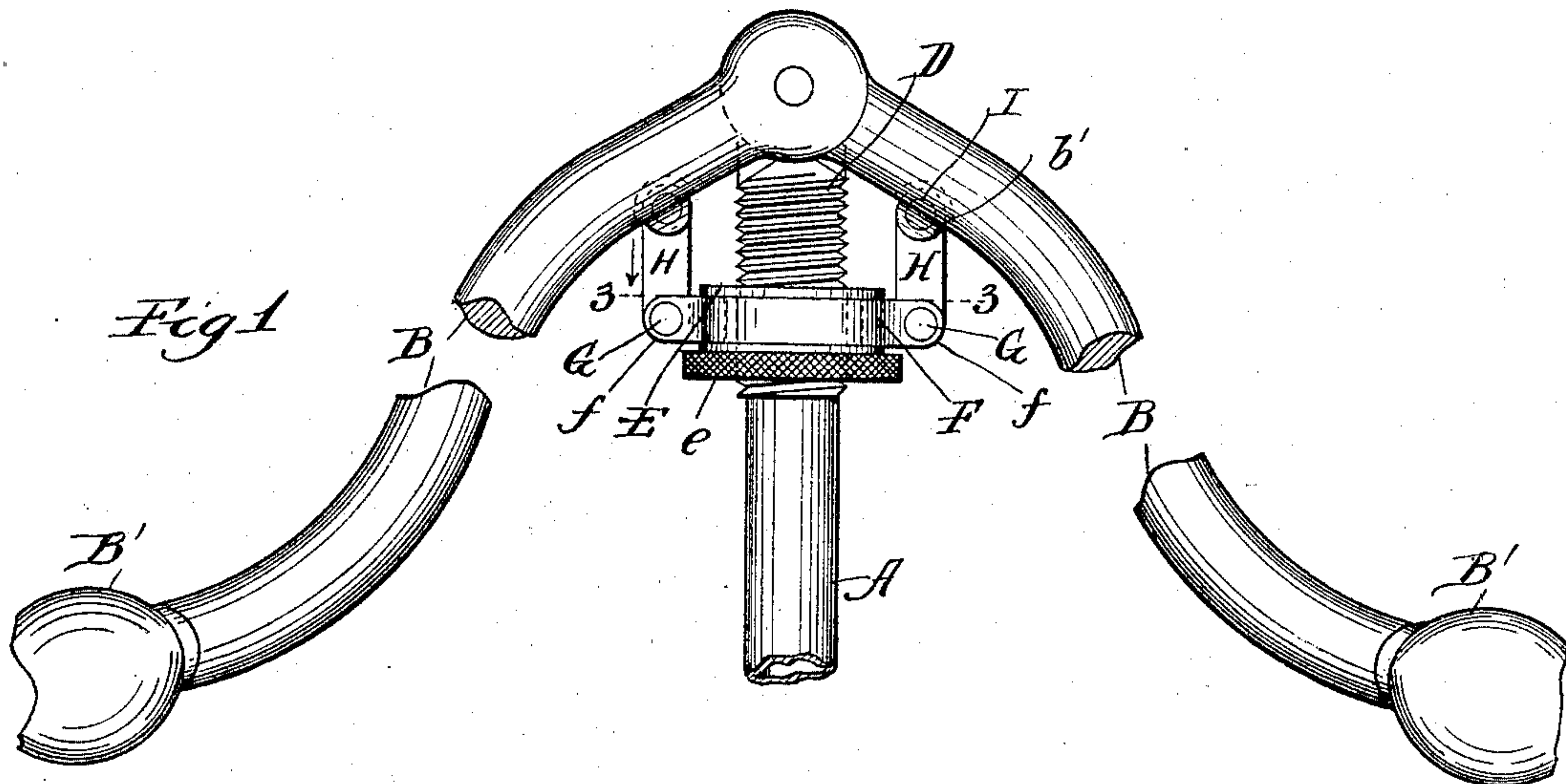
(No Model.)

H. MUIR.

ADJUSTABLE HANDLE BAR FOR BICYCLES.

No. 585,690.

Patented July 6, 1897.



Witnesses
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HUGH MUIR, OF CHICAGO, ILLINOIS.

ADJUSTABLE HANDLE-BAR FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 585,690, dated July 6, 1897.

Application filed August 21, 1896. Serial No. 603,441. (No model.)

To all whom it may concern:

Be it known that I, HUGH MUIR, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have
5 invented certain new and useful Improvements in Adjustable Handle-Bars for Bicycles and other Velocipedes, of which the following is a specification.

The object of the present invention is to
10 provide an improved handle-bar so adjustable that the elevation of the handles may be easily changed when desired. To this end I form the handle-bar in two parts articulated at their inner ends, and I provide mechanism,
15 including a screw-thread and a nut fitting the screw-thread, by which the desired adjustment may be accomplished.

The invention consists in the features of novelty that are particularly pointed out in
20 the claims hereinafter, and in order that it may be fully understood I will describe it with reference to the accompanying drawings, which are made a part of this specification, and in which—

25 Figure 1 is a rear elevation of a handle-bar and a portion of a handle-bar post embodying the invention. Fig. 2 is a plan view thereof. Fig. 3 is a horizontal section thereof on the line 3 3, Fig. 1.

30 A represents the handle-bar post, which terminates at its upper end in a perforated ear *a*, having parallel front and rear sides.

B B represent the two parts of the handle-bar, each of which terminates at its inner end
35 in a perforated ear *b*, and C represents a bolt, preferably tapering, passing through the perforated ears *a b* and connecting them in such manner that the two parts of the handle-bar may be moved about said bolt as a pivot.

40 D is a screw-thread on the handle-bar post. Preferably it is formed on a sleeve which is permanently secured to the tube of which the handle-bar post proper is formed; but this is not essential, and, if desired, it may be formed
45 directly upon the post itself, both of these constructions being within the scope of my invention. Fitting the screw-thread D is a nut E, preferably having a knurled head for convenience in turning it, and a circumfer-
50 ential groove, in which fits a collar F, formed

in two parts, which are provided at their meeting ends with ears *f*, perforated for the passage of bolts G, by which they are secured together and by which the lower ends of a pair of links H are pivotally connected to the
55 collar, the upper ends of said links being pivotally connected to the two parts of the handle-bar, respectively, by means of perforated ears *b'*, formed on the handle-bar, and pivots I, passing through said ears and through
60 perforations in the upper ends of the links. With this arrangement by turning the nut in one direction or the other the two parts of the handle-bar are moved about the bolt C as a
65 pivot, and the handles B' may be brought to the desired height, and this may be done without dismounting.

Having thus described my invention, the following is what I claim as new therein and
70 desire to secure by Letters Patent:

1. The combination of the handle-bar post, a handle-bar formed in two parts articulated to the post, a screw-thread on the post, a nut fitting the screw-thread and having a circumferential groove, a collar fitting in said groove,
75 and links pivotally connected at their opposite ends with the collar and with the two parts of the handle-bar, respectively, substantially as set forth.

2. The combination of a handle-bar post
80 terminating at its upper end in a perforated ear, a handle-bar formed in two parts terminating at their inner ends in perforated ears, a bolt or pin passing through said perforated ears and pivotally connecting the two parts
85 of the handle-bar to the handle-bar post, a screw-thread on the handle-bar post, a nut fitting the screw-thread and having a circumferential groove, a collar fitting said groove and links pivotally connected at their oppo-
90 site ends to the collar and the two parts of the handle-bar, respectively, substantially as set forth.

3. The combination of a handle-bar post,
95 a handle-bar formed in two parts articulated to the handle-bar post, a screw-thread on the handle-bar post, a knurled nut fitting the screw-thread and having a circumferential groove, a collar, occupying the groove, formed
100 in two parts provided at their meeting ends

with perforated ears, and a pair of links each
pivotally connected at its upper end to one
part of the handle-bar and each having its
lower end disposed between the opposing ears
5 on the two parts of the collar aforesaid, and
bolts passing through the perforated ears of
the collar and through perforations in the

lower ends of the links, substantially as set
forth.

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Witnesses:

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