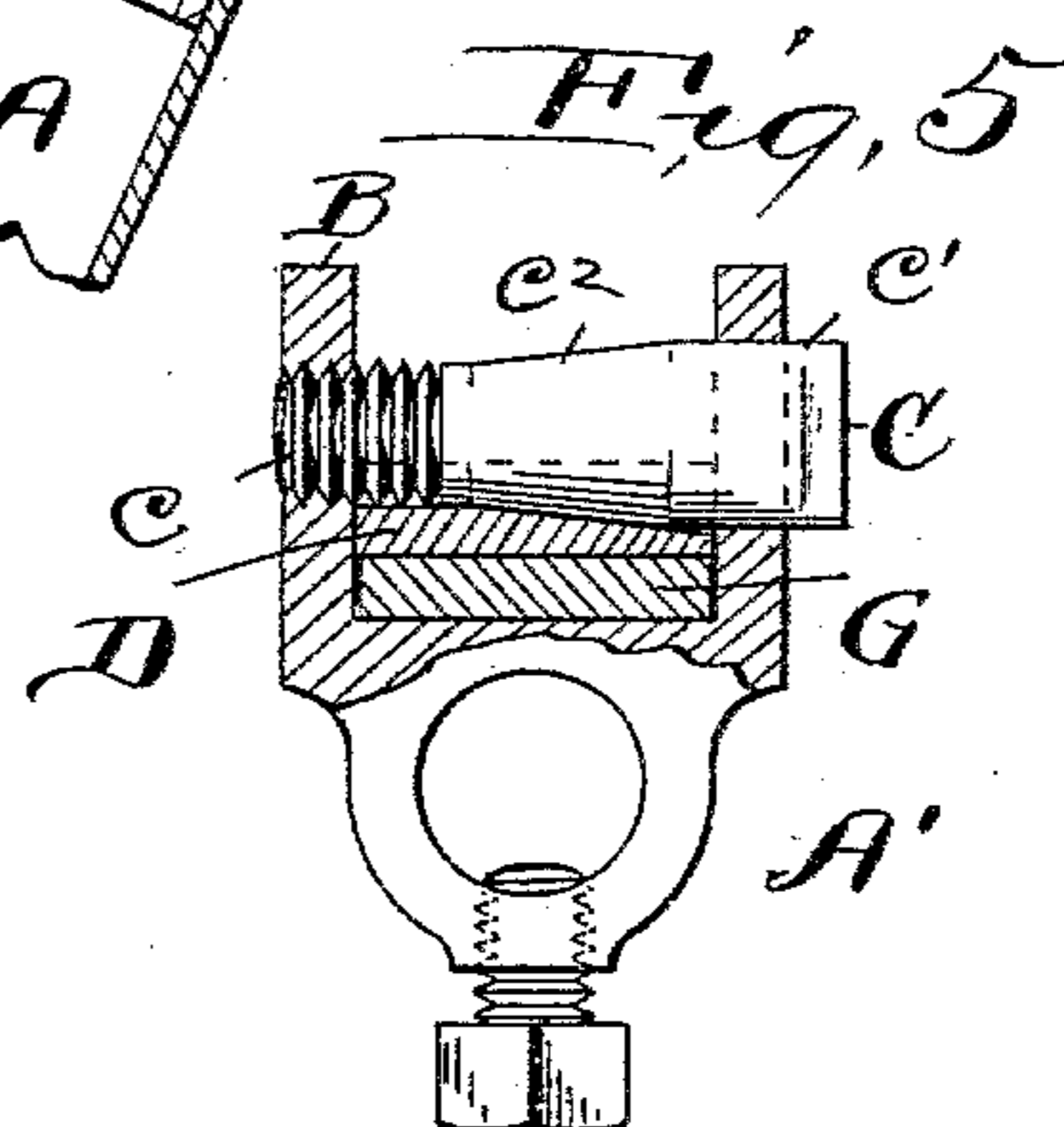
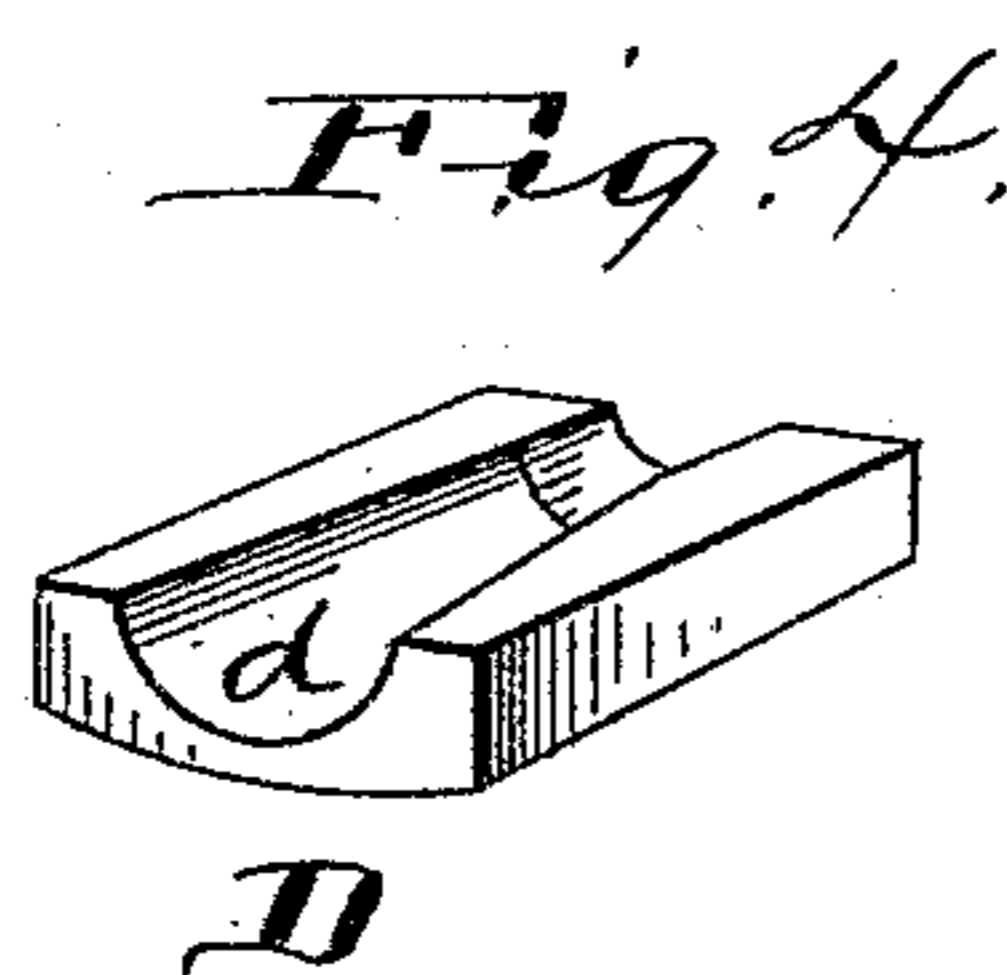
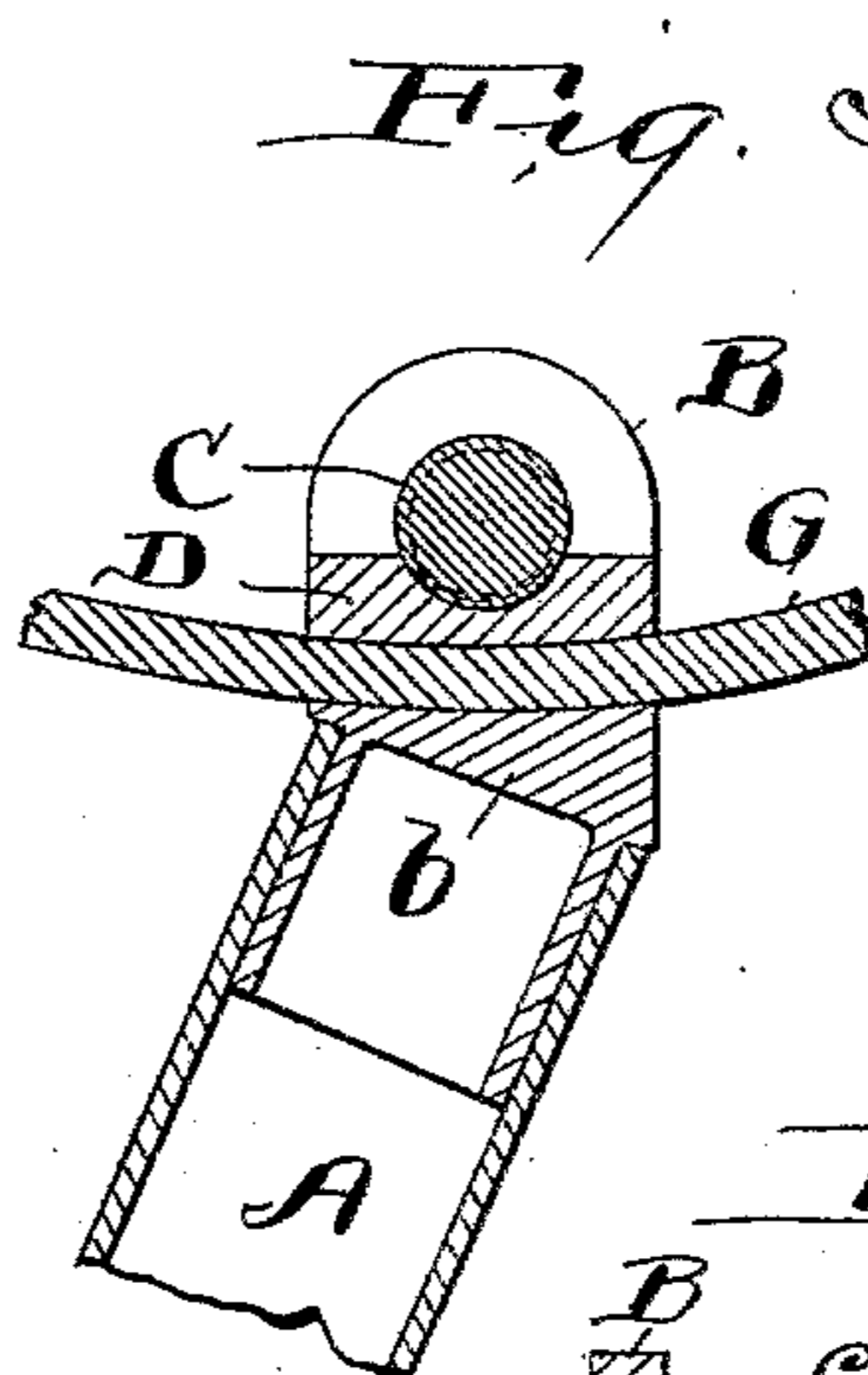
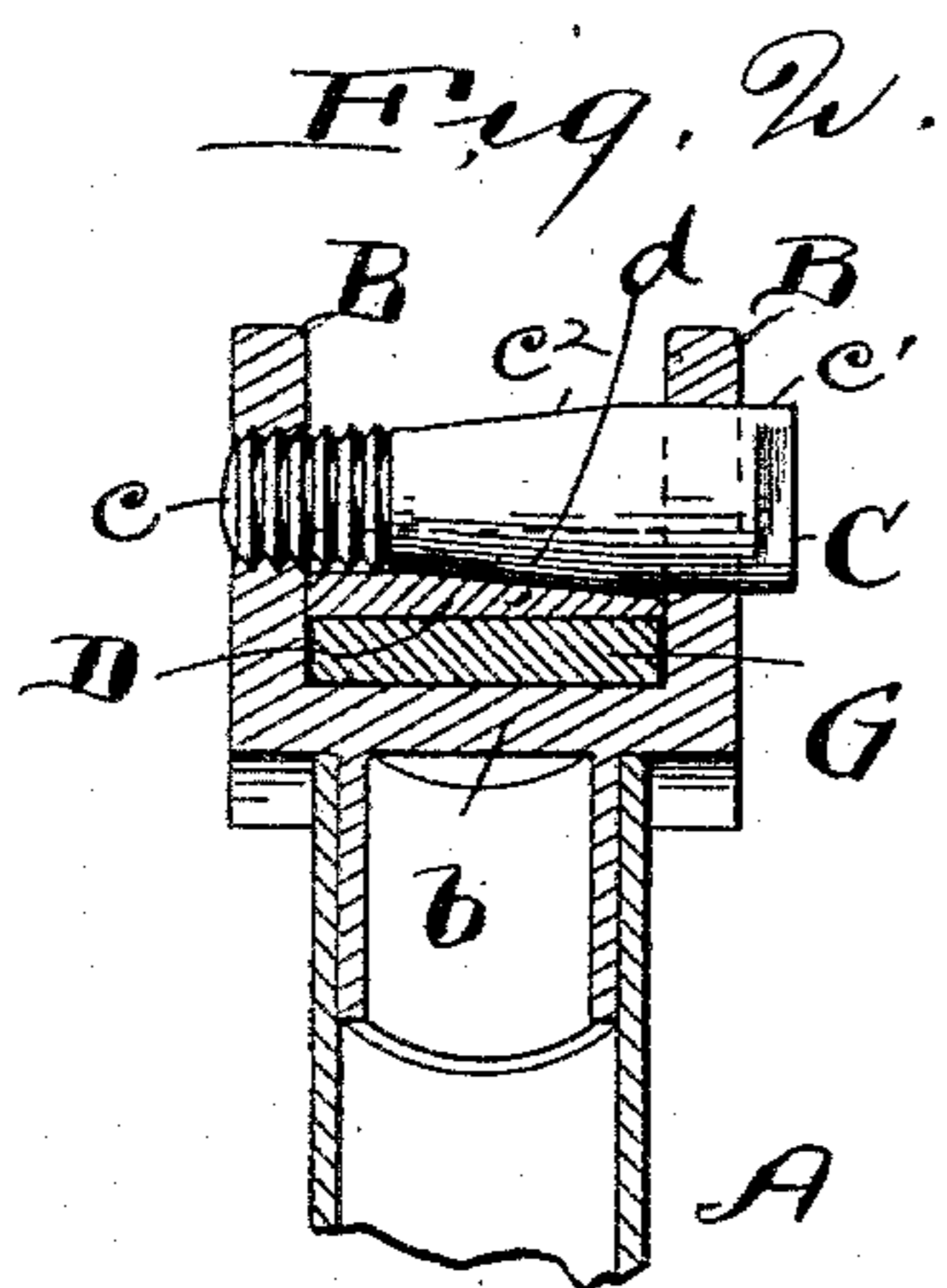
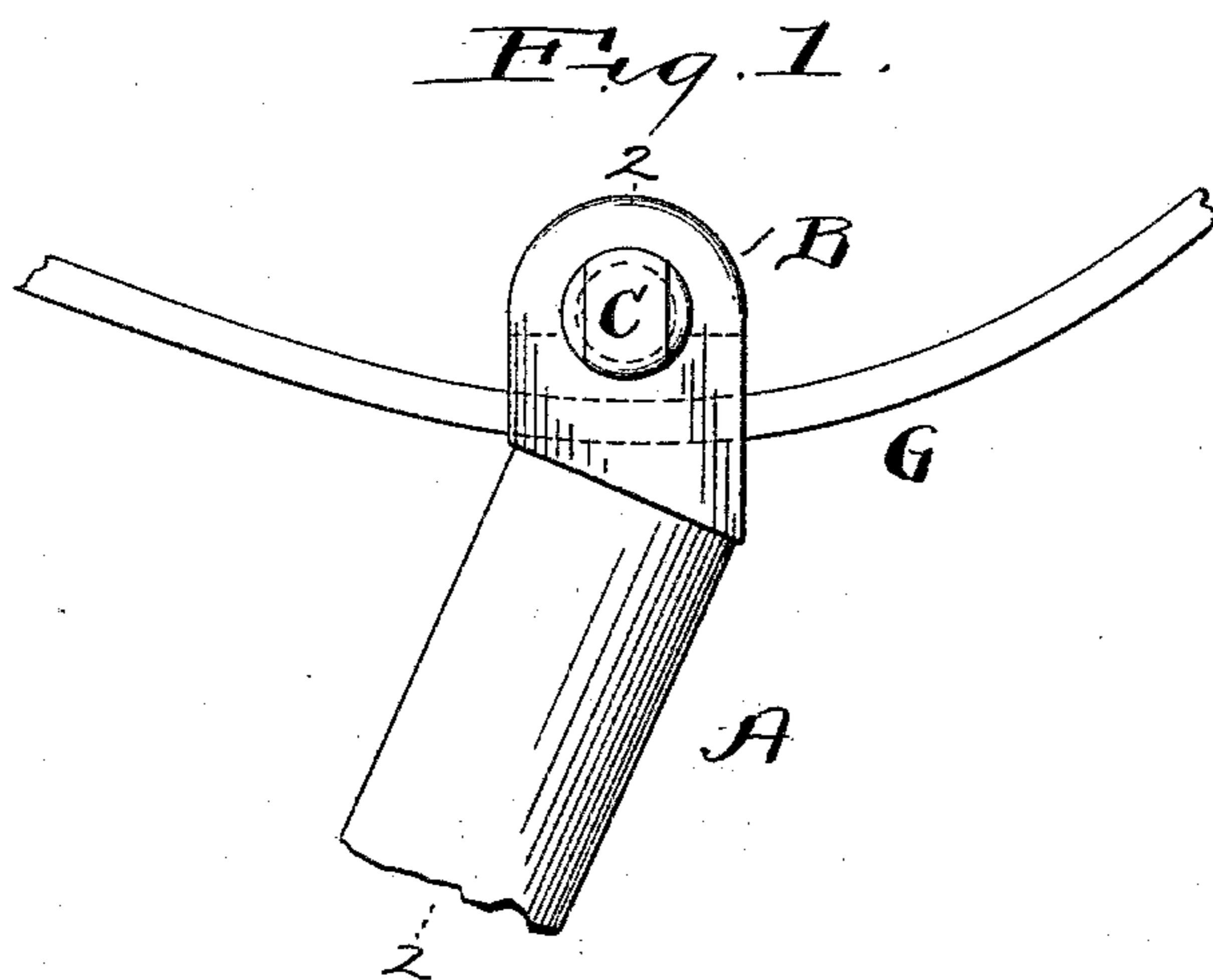


(No Model.)

A. L. GARFORD.  
BICYCLE SADDLE CLAMP.

No. 596.869.

Patented Jan. 4, 1898.



Witnesses.  
E. B. Gilchrist  
Albert J. Bates.

Inventor:  
Arthur L Garford  
By E. L. Thurstou  
his atty.

# UNITED STATES PATENT OFFICE.

ARTHUR L. GARFORD, OF ELYRIA, OHIO.

## BICYCLE SADDLE-CLAMP.

SPECIFICATION forming part of Letters Patent No. 596,869, dated January 4, 1898.

Application filed January 22, 1897. Serial No. 620,297. (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 Saddle-Clamps; 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.

The principal object of my invention is to provide a cheap, effective, and easily-operated bicycle saddle-clamp especially adapted for use as part of a direct seat-post. If desired, however, the novel clamp hereinafter described may form part of a device for attaching a saddle to any ordinary form of bicycle saddle-post.

The invention consists in the construction and combination of parts constituting the clamp for the saddle-spring, as hereinafter described, and pointed out definitely in the claim.

In the drawings, Figure 1 is a side elevation of my invention embodied in a direct post. Fig. 2 is a sectional view on line 2 2 of Fig. 1. Fig. 3 is a sectional side elevation. Fig. 4 is a perspective view of the chip, and Fig. 5 is a sectional front elevation of a modified construction.

That part of the device by means of which the clamp may be attached to a bicycle may be a post A, as shown in Figs. 1 to 3, or a clip A', as shown in Fig. 5, both of which contrivances are old.

B B represent two vertical perforated ears at the sides of a rest or support b for the saddle-spring G. In the construction shown in Figs. 1 to 3 these ears and rest are parts

of a forging which is secured to the upper end of the post A. In Fig. 5 they are a part of the clip A', whereby the device is connected with an ordinary seat-post.

C represents a pin having a threaded end c, which screws into the threaded perforation in one ear B, a cylindrical end c', which fits more or less nicely in the perforation in the other ear, and a conical middle part c<sup>2</sup>.

D represents a chip which lies between the ears B B. In the upper surface of this chip is a tapered transverse groove d, having substantially the same inclination as the conical part c<sup>2</sup> of the pin C.

The saddle-spring G is placed between the ears B B upon the support b. The chip D is placed upon the spring. Then as the pin C is screwed in its conical part c<sup>2</sup> engages in the groove d, whereby the chip is forced down upon the spring, thereby clamping said spring between the rest and chip. One end of the pin C is flattened or otherwise shaped, so that a wrench or other suitable tool may turn it.

Having described my invention, I claim—

The combination of a support for the saddle-spring having two perforated ears, one being threaded, with a chip having a tapered transverse groove in its top, and a pin which operates in the perforation in said ears, having one threaded end, and one cylindrical end, and a conical body which engages in the tapered groove in the chip, substantially as and for the purpose specified.

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

ARTHUR L. GARFORD.

Witnesses:

E. L. THURSTON,

E. B. GILCHRIST.