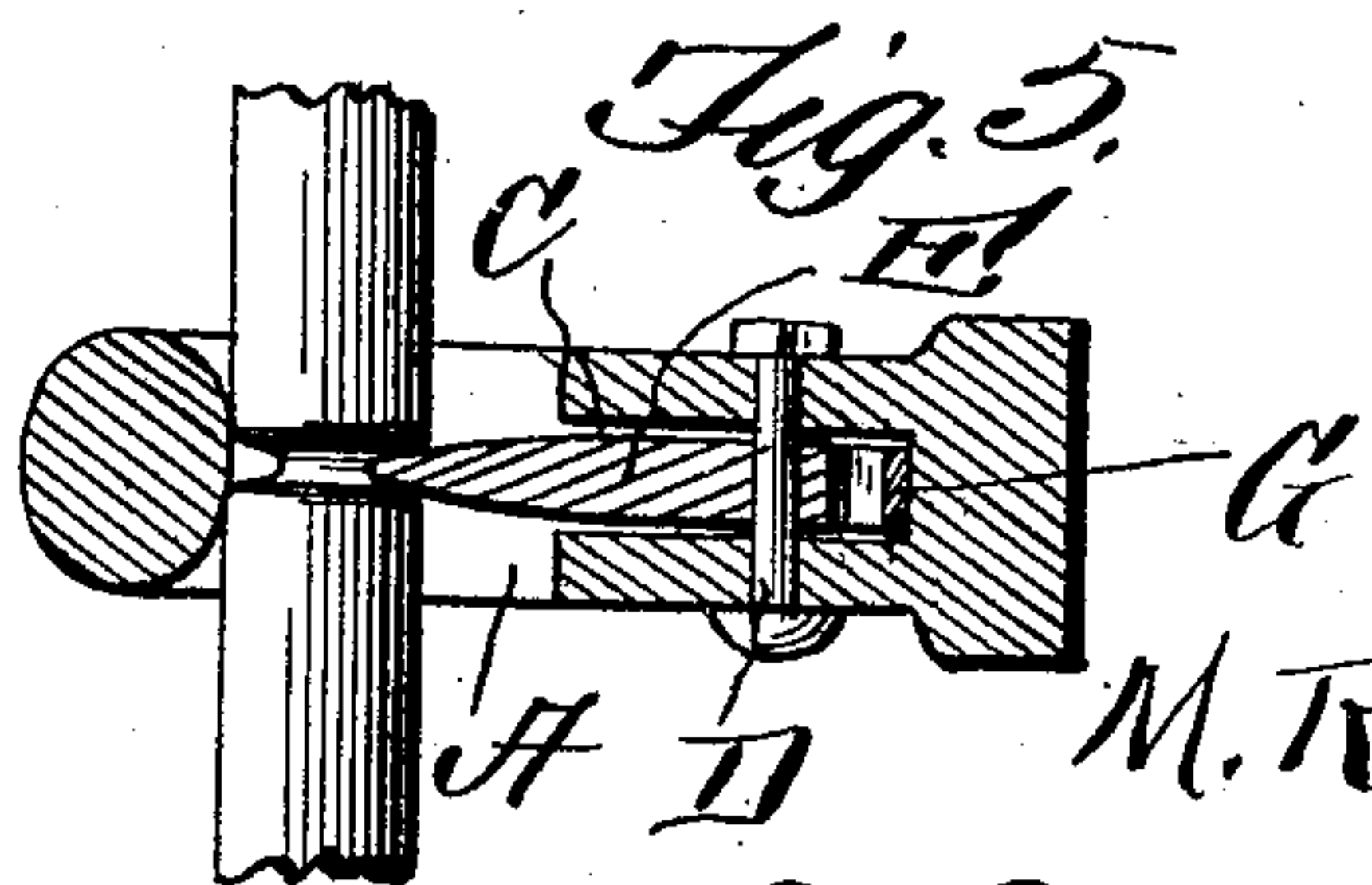
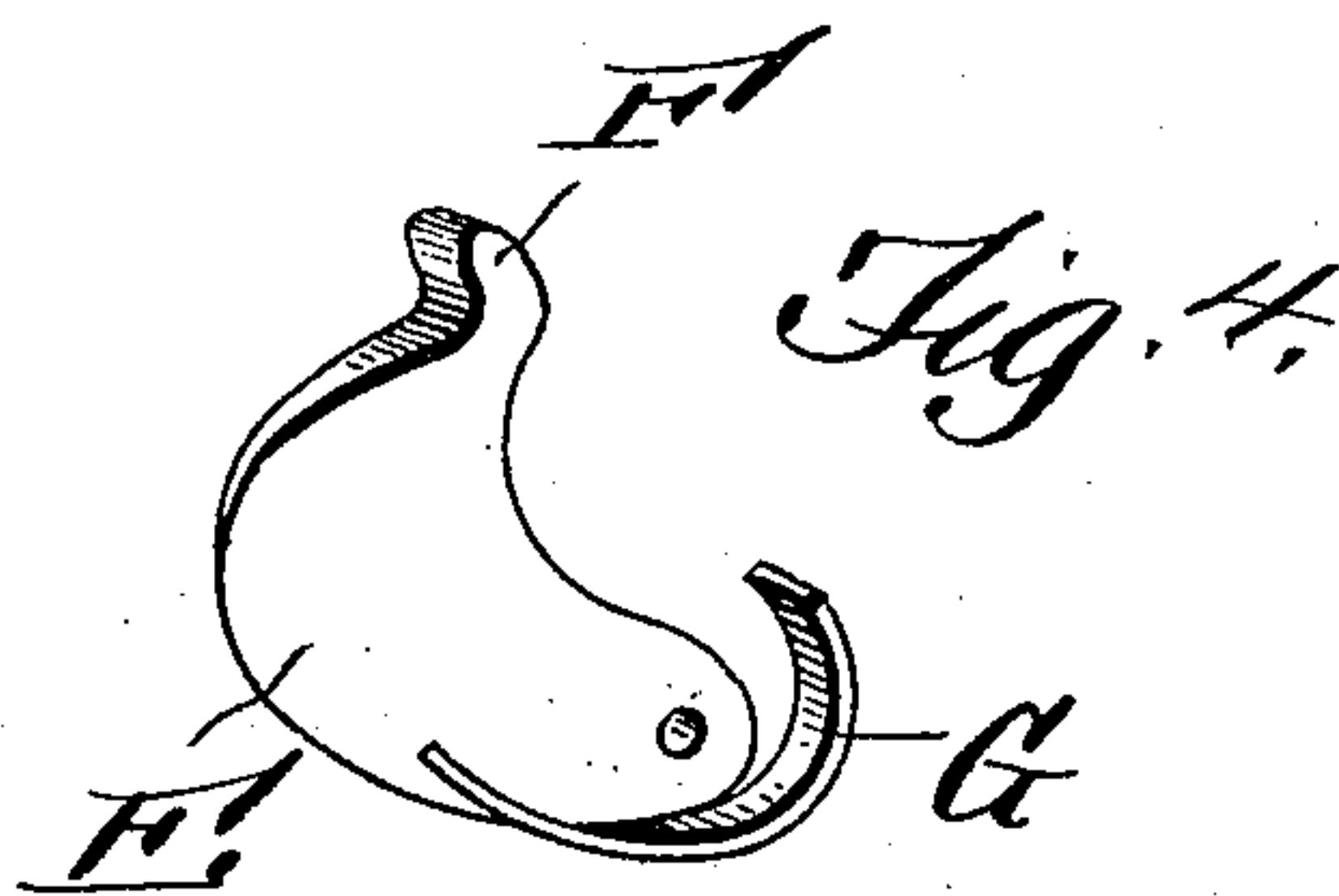
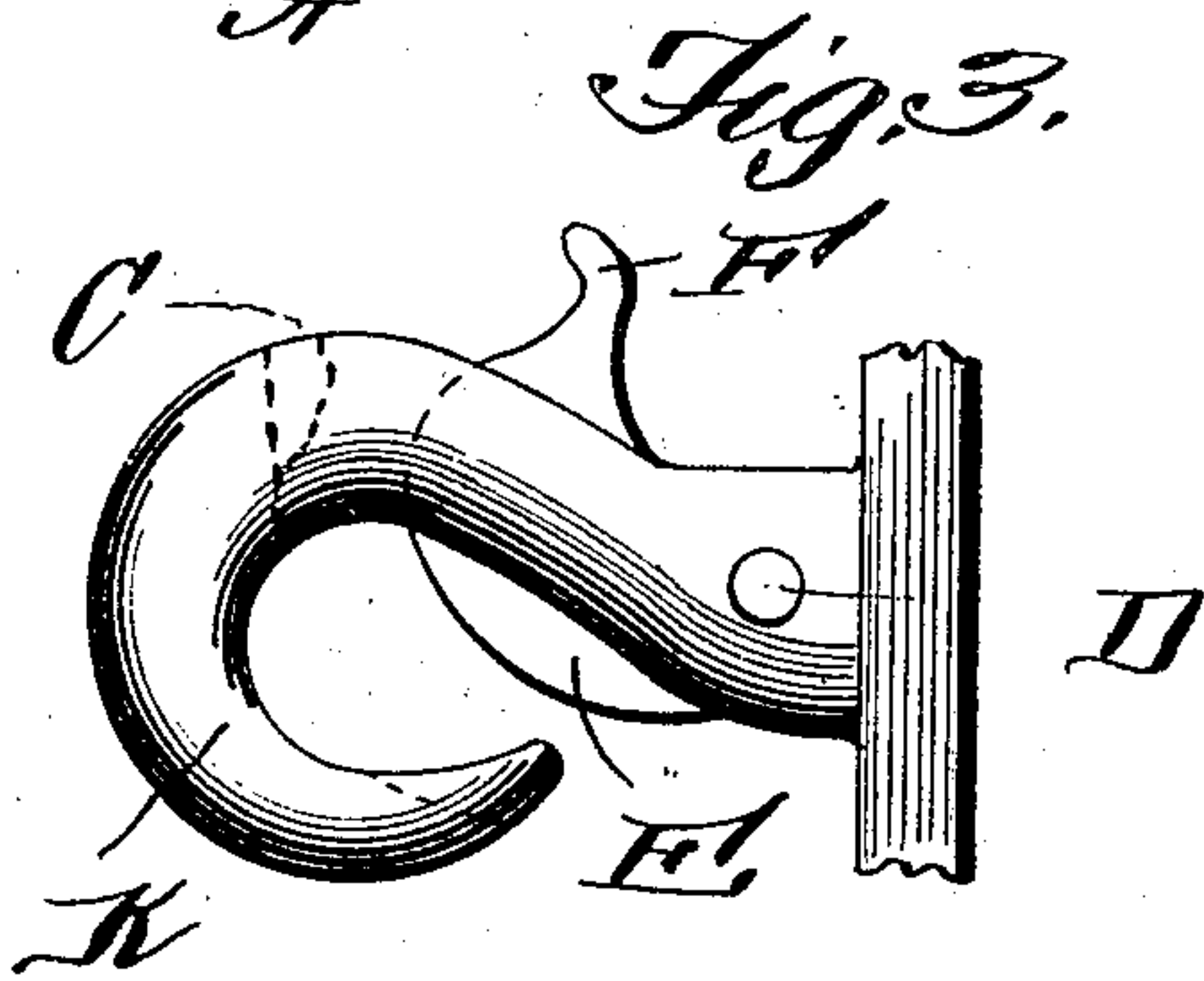
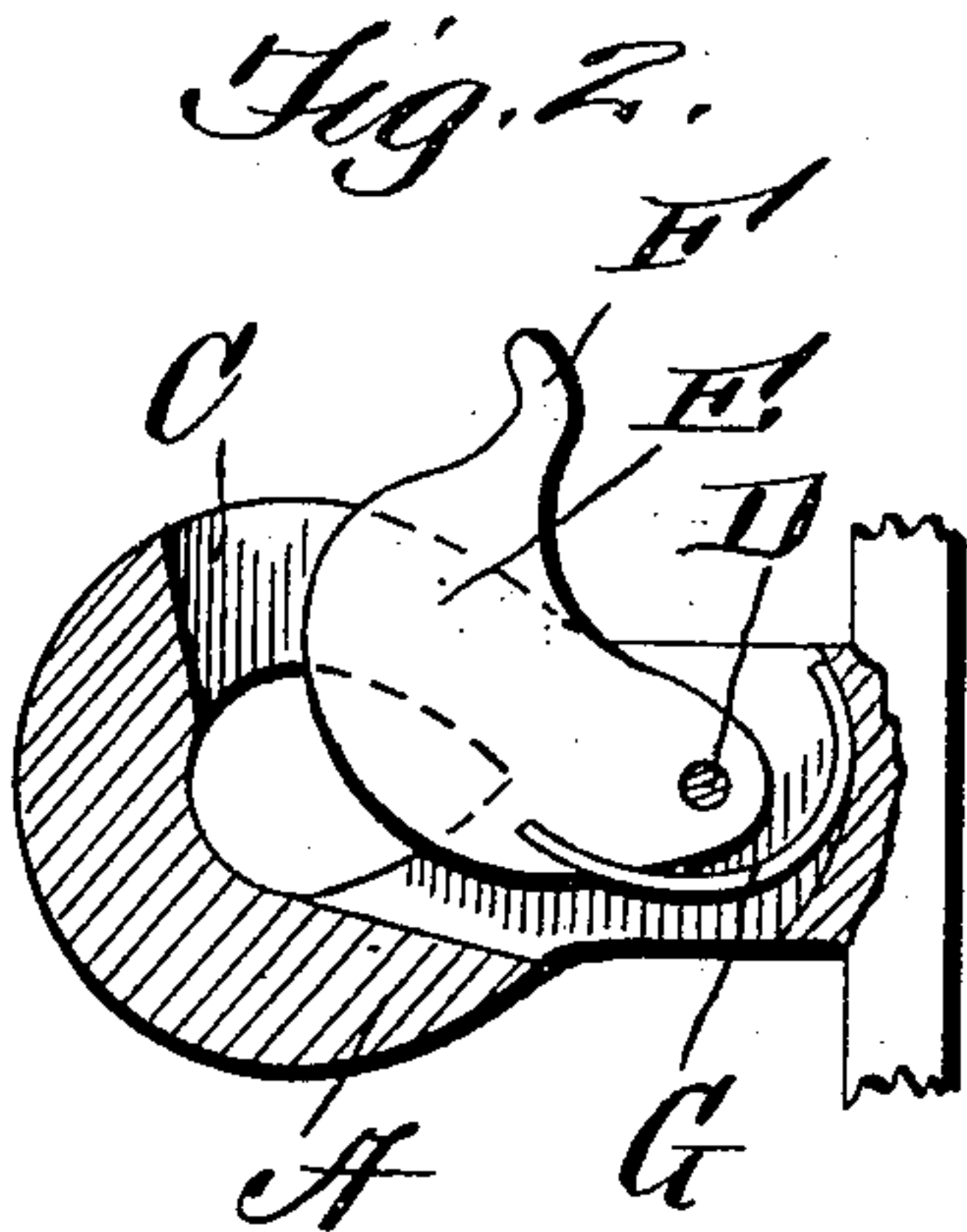
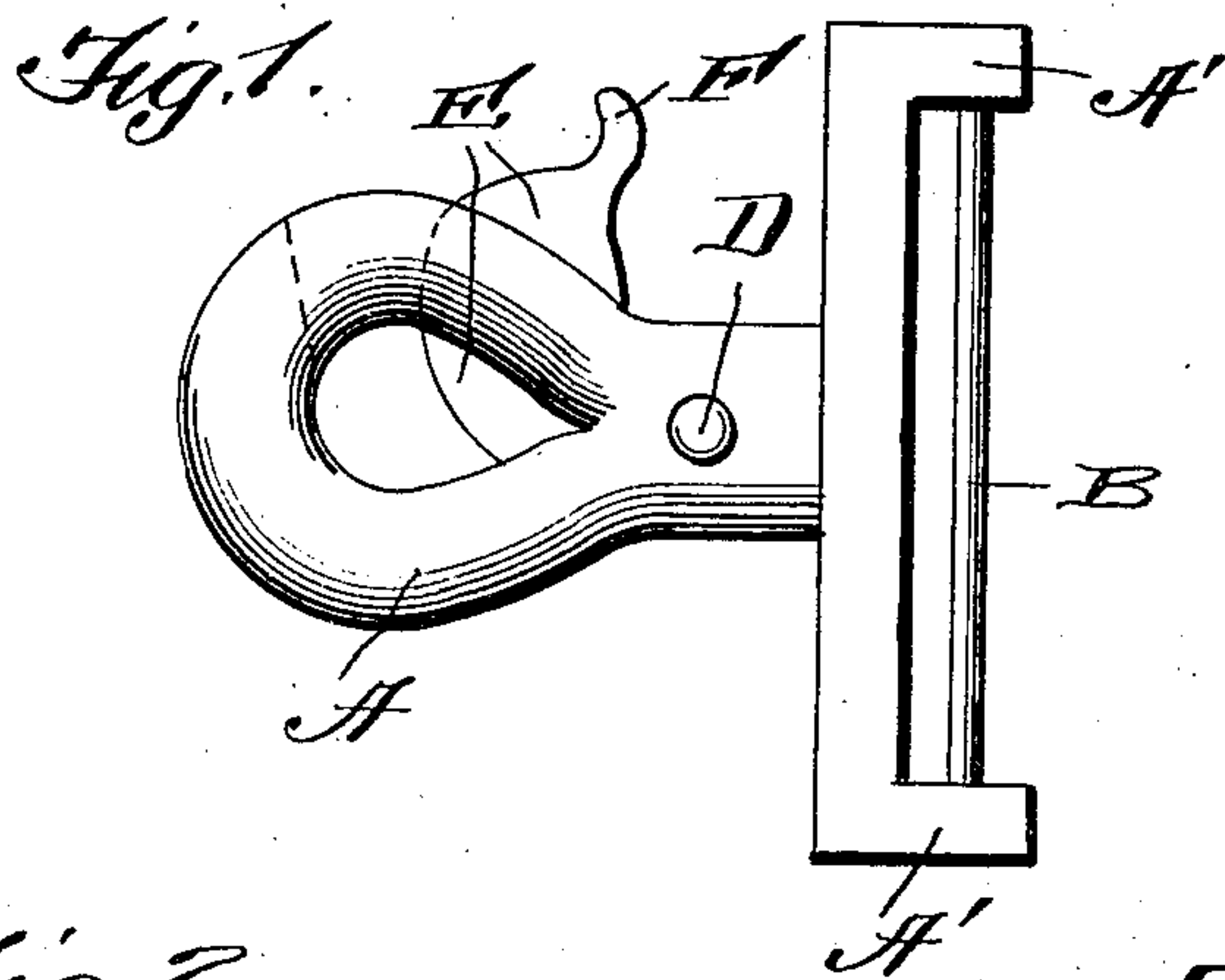


M. R. JOHNSON.
COCKEYE.

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912,132.

Patented Feb. 9, 1909.



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UNITED STATES PATENT OFFICE.

MORRISON R. JOHNSON, OF BOZEMAN, MONTANA.

COCKEYE.

No. 912,132.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MORRISON R. JOHNSON, a citizen of the United States, residing at Bozeman, in the county of Gallatin and State of Montana, have invented certain new and useful Improvements in Cockeyes; 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, 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 new and useful improvements in cock-eyes designed for use especially in holding trace hooks to whiffletrees, etc., and consists essentially in the provision of a pivotal spring-actuated cam which is mounted within a recess in the shank of the cock-eye, the inclined edge of said cam being adapted to bear against a hook or other trace attachment for the purpose of holding the same securely to the cock-eye.

My invention consists in various details of construction and combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claim.

I illustrate my invention in the accompanying drawings, in which:—

Figure 1 is a side elevation of my improved cock-eye. Fig. 2 is a vertical sectional view through the same, showing the pivotal cam in edge elevation. Fig. 3 is a side elevation of a modified form of the cock-eye in which the latter is formed into a hook. Fig. 4 is a detail view of the pivotal cam and spring connected therewith, and Fig. 5 is a sectional view showing a bar without a hooked end and provided with a recess or notch in the edge thereof for the reception of the pivotal cam, whereby said bar may be held to the cock-eye.

Reference now being had to the details of the drawings by letter, A designates a cock-eye having a shank portion with lateral extensions A', and B is a pin or rod passing through the angled ends of said extension and to which any object may be attached. Said cock-eye has a recess C formed therein, and D designates a pivot pin passing through the walls of the shank portion of the cock-eye and extending through the recess therein.

E designates a cam which is pivotally mounted upon said pin and has an integral projection F forming means whereby the finger or thumb of an operator may readily engage the cam for the purpose of tilting the same upon its pivot pin. G designates a spring, one end of which is fixed within the recess of the cock-eye and its other end engages a recess formed in the edge of said cam, the office of said spring being normally to hold the cam at its farthest inner limit, in which position it is designed to engage and hold a trace-hook or any other object which it may be desired to connect to the cock-eye.

In Fig. 3, I have shown a slight modification of my invention, in which the cock-eye is formed into a hook K which is provided with the usual recess C and the cam E pivotally mounted therein, said cam being adapted to bear against the end of the hook and form a closure to retain any member which may be connected thereto.

In Fig. 5, I have shown a notched bar held in the cock-eye by means of a pivotal cam member as disclosed in the other figures of the drawings, thereby affording means for connecting objects without hooked ends.

In attaching a hook to my improved cock-eye, said hook is inserted through the opening in the eye, the pivotal cam first being tilted so as to allow the hook to pass readily through the eye, after which the spring will return the cam so that its curved edge will bear with sufficient frictional force against the hook to securely hold the same from detachment from said cock-eye. When it is desired to release the hook, the pivotal cam may be swung back so as to free the hook and allow the same to be readily disconnected.

In the modified form, in which the cock-eye is formed into a hook, the same is adapted for the reception of an ordinary cock-eye which may be held securely to the modified form through the medium of the pivotal cam.

What I claim is:—

A cock-eye having a shank portion with a recess extending longitudinally therein and through a portion of the eye, the end wall of the recess in said shank portion being concaved, a pivot pin mounted in the walls of said recess, a tongue pivotally mounted upon said pin substantially at the center of the

shank portion of the cock-eye, said tongue being wedge-shape in cross section and having a convexed engaging edge, a spring fastened to said concaved end of the recess and fixed to the tongue in advance of the pivotal point thereof and near the lower curved edge of said tongue, a portion of the latter having an upwardly extending lug whereby the

tongue may be raised against the tension of said spring, as shown and described. 10

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

MORRISON R. JOHNSON.

Witnesses:

D. B. DEUSENBERG,

H. W. CATROSS.