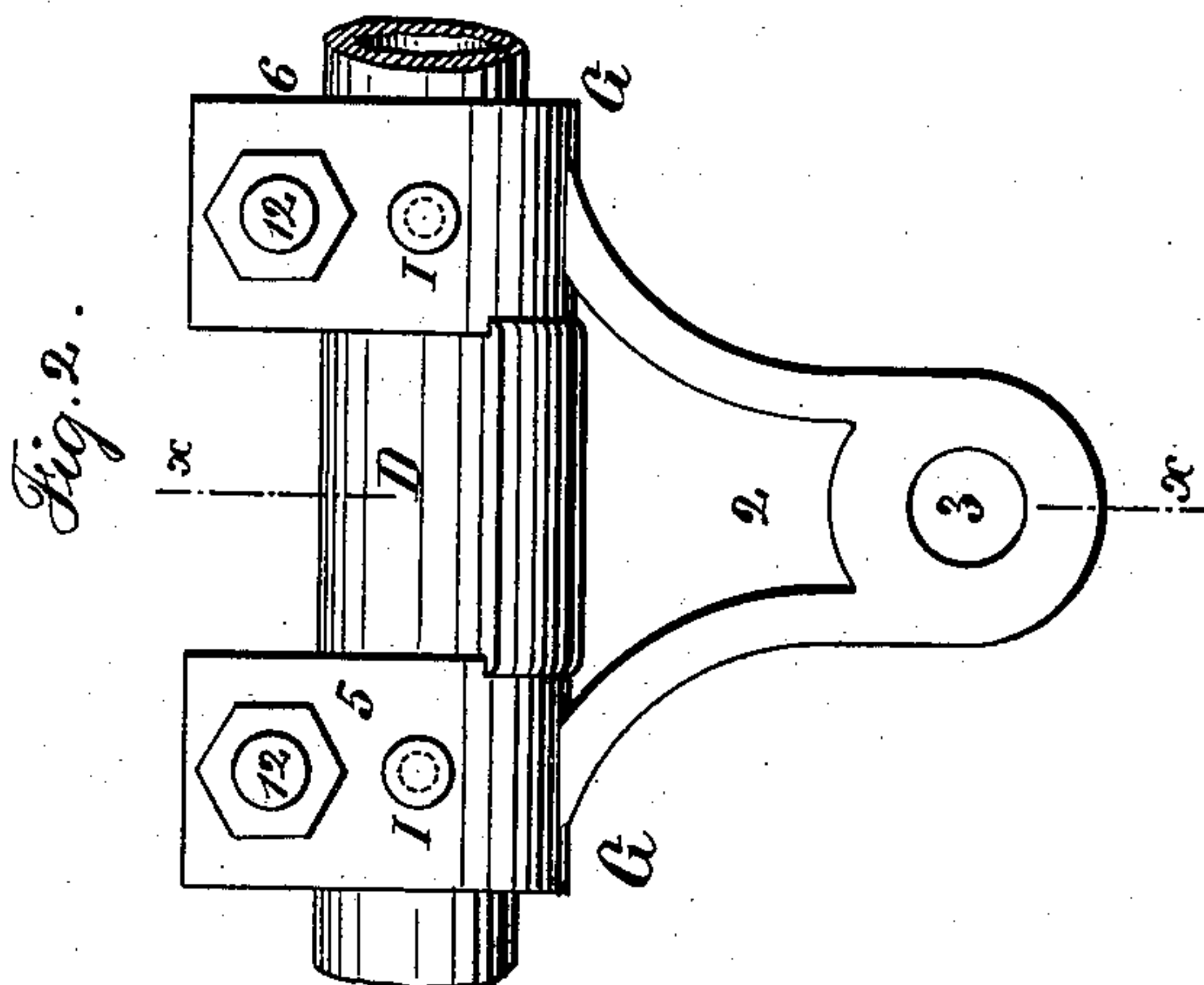
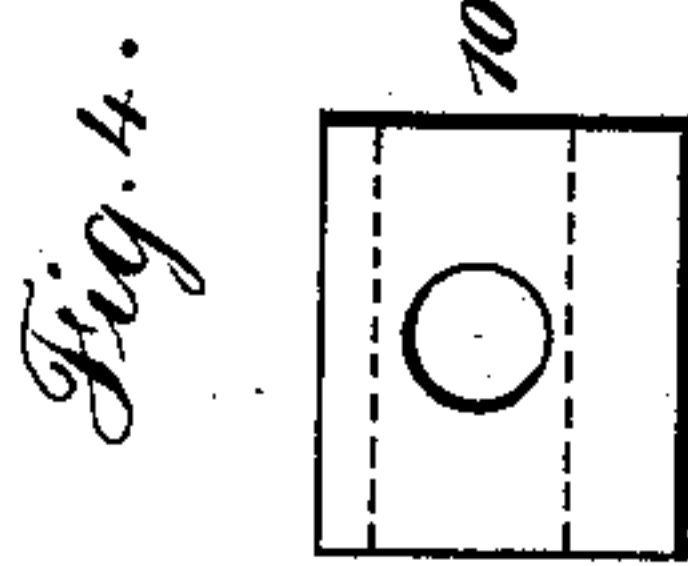
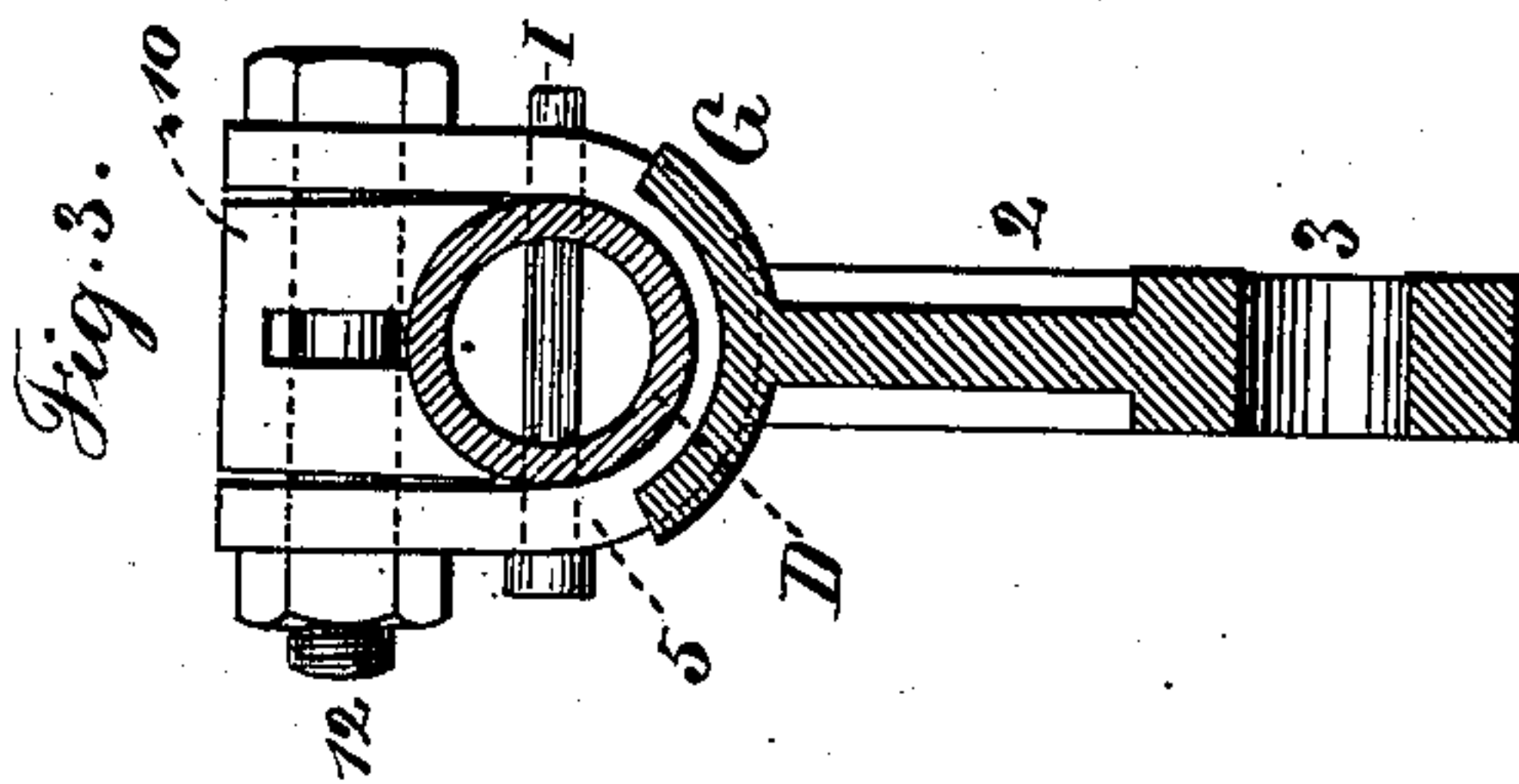
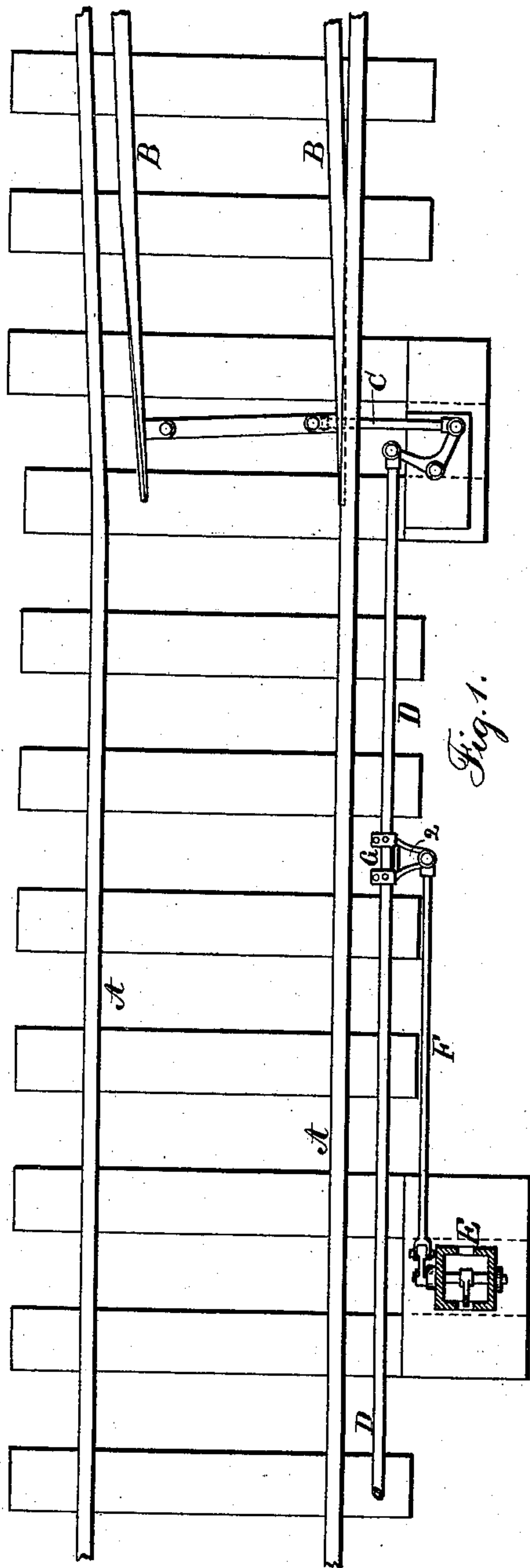


(No Model.)

F. H. TREACY.
RAILWAY SIGNAL CONNECTION.

No. 375,398.

Patented Dec. 27, 1887.



Witnesses:
J. Stail
Chas N. Smith

Inventor:
Frank H. Treacy
per Lemuel W. Terrell atty.

UNITED STATES PATENT OFFICE.

FRANK H. TREACY, OF POUGHKEEPSIE, NEW YORK, ASSIGNOR TO THE PALMER TORPEDO RAILWAY SIGNAL COMPANY, OF PLAINFIELD, NEW JERSEY.

RAILWAY-SIGNAL CONNECTION.

SPECIFICATION forming part of Letters Patent No. 375,398, dated December 27, 1887.

Application filed June 18, 1887. Serial No. 241,696. (No model.)

To all whom it may concern:

Be it known that I, FRANK H. TREACY, of Poughkeepsie, in the county of Dutchess and State of New York, have invented an Improvement in Connections for Railway-Signals, &c., of which the following is a specification.

Railway-switches are often moved by levers located in a station or switch house at a distance from the switch, and rods or pipes serve to connect the signal or switch to the lever, and in addition to these devices connections have been made from the pipe or rod to a visual signal upon a post at the side of the track. In cases where the switch-connection has been made the pipe has had to be disconnected and cut or another length substituted in order to introduce the joint-connection to a visual signal. This is expensive and interferes with the use of the switch-connection while the joint or coupling device is being introduced.

My improvement relates to a coupling clip or grip for connecting the visual signal to the switch rod or tube, so that the parts can be easily applied and adjusted, and the visual signal can be added to the switch-connections or removed therefrom without changing or interfering with the switch-connections.

In the drawings, Figure 1 is a plan view of a switch and signal to show the improved connection. Fig. 2 is a detached view of the clip. Fig. 3 is a section at the line *xx* of Fig. 2, and Fig. 4 is a separate view of the bifurcated block.

The main track A, switch-rails B, switch-rod C, switch-rod D, and connections are of any usual character, and the signal-post E is provided with visual signals of any desired kind, and F is the rod or link that connects the signal mechanism with the switch-rod D, and at G is my improved clip, that forms a joint at the end of the rod F and connects the same adjustably and removably to the switch-rod D.

This clip G is made with an arm, 2, at the outer end of which is the eye 3 for the joint or hinge pin that unites the rod F to the clip, and upon the arm are the bows 5 6, that are semi-circular on their inner sides to fit against the rod or pipe D, and the parallel portions of the bows are sufficiently long to receive between them the bifurcated blocks 10, that are semi-circular next to the pipe D and nearly split in two parts; hence, when the parts are put into place and the screw-bolts 12 passed through the bows and through said blocks, the pipe or rod D will be clipped powerfully in the act of screwing up the bolts 12, and in so doing the parallel portions of the bows are sprung toward each other and the splits in the bifurcated blocks are partially closed, and the clip is bound powerfully upon the switch pipe or rod D, and the clip will not rock upon the rod or become loose, because the bows act toward the two ends of the arm 2.

If desired, pins may be inserted at I through holes bored in the clip and through the tube D; but usually they will not be needed, and the clip can be adjusted exactly to place before being clamped; or it can be moved, as may become necessary from time to time, or taken off when not required without disturbing the switch rod or pipe.

I claim as my invention—

The combination, with the switch or signal rod or tube D and the link or rod F, of the clip G, having an arm to which the rod F is hinged, the bows 5 and 6, to set over the tube D, the bifurcated blocks within the bows, and the screw-bolts passing through the bows and bifurcated blocks to clamp the parts, substantially as set forth.

Signed by me this 10th day of June, 1887.

FRANK H. TREACY.

Witnesses:

O. G. LEE,
IRVING ELTING.