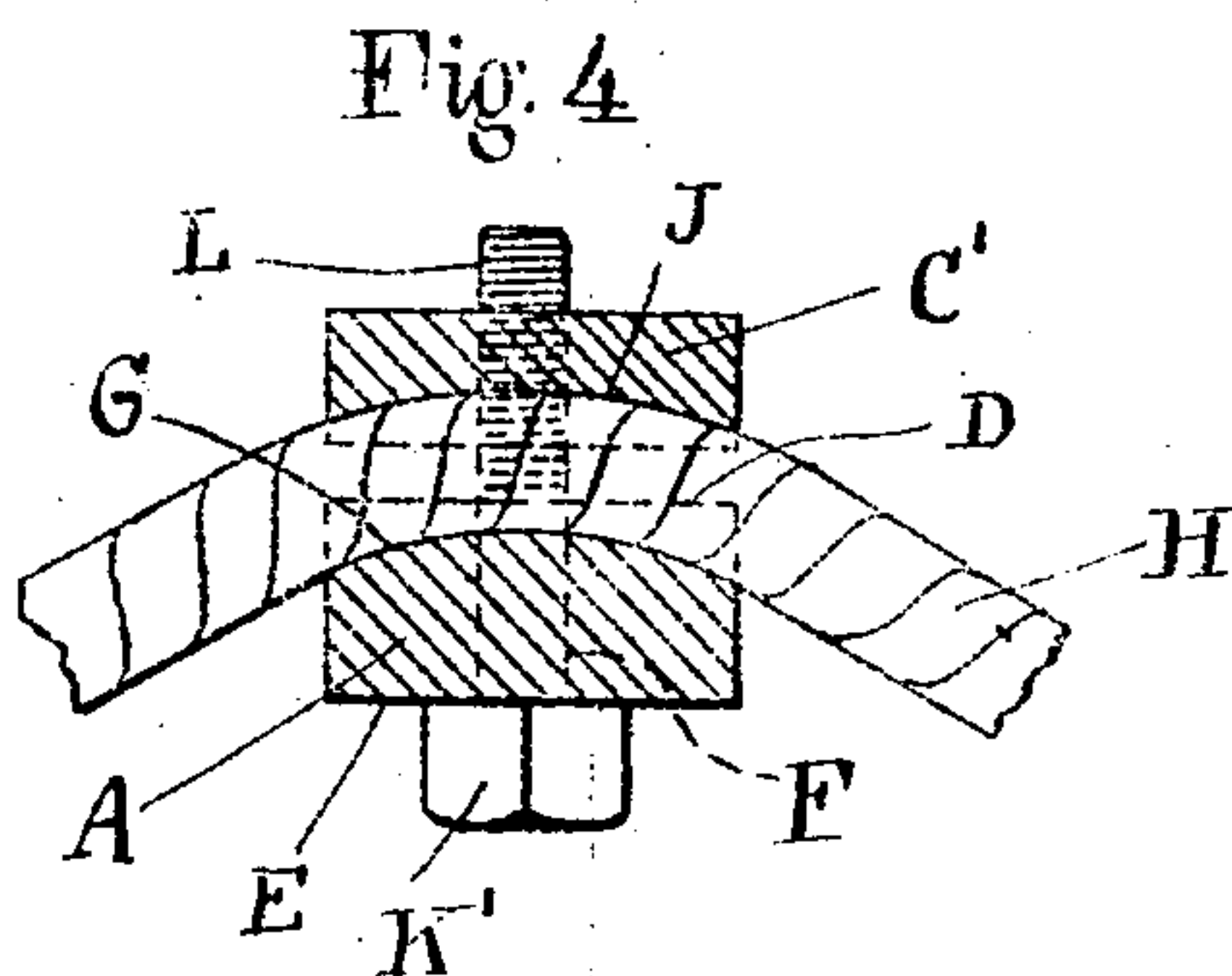
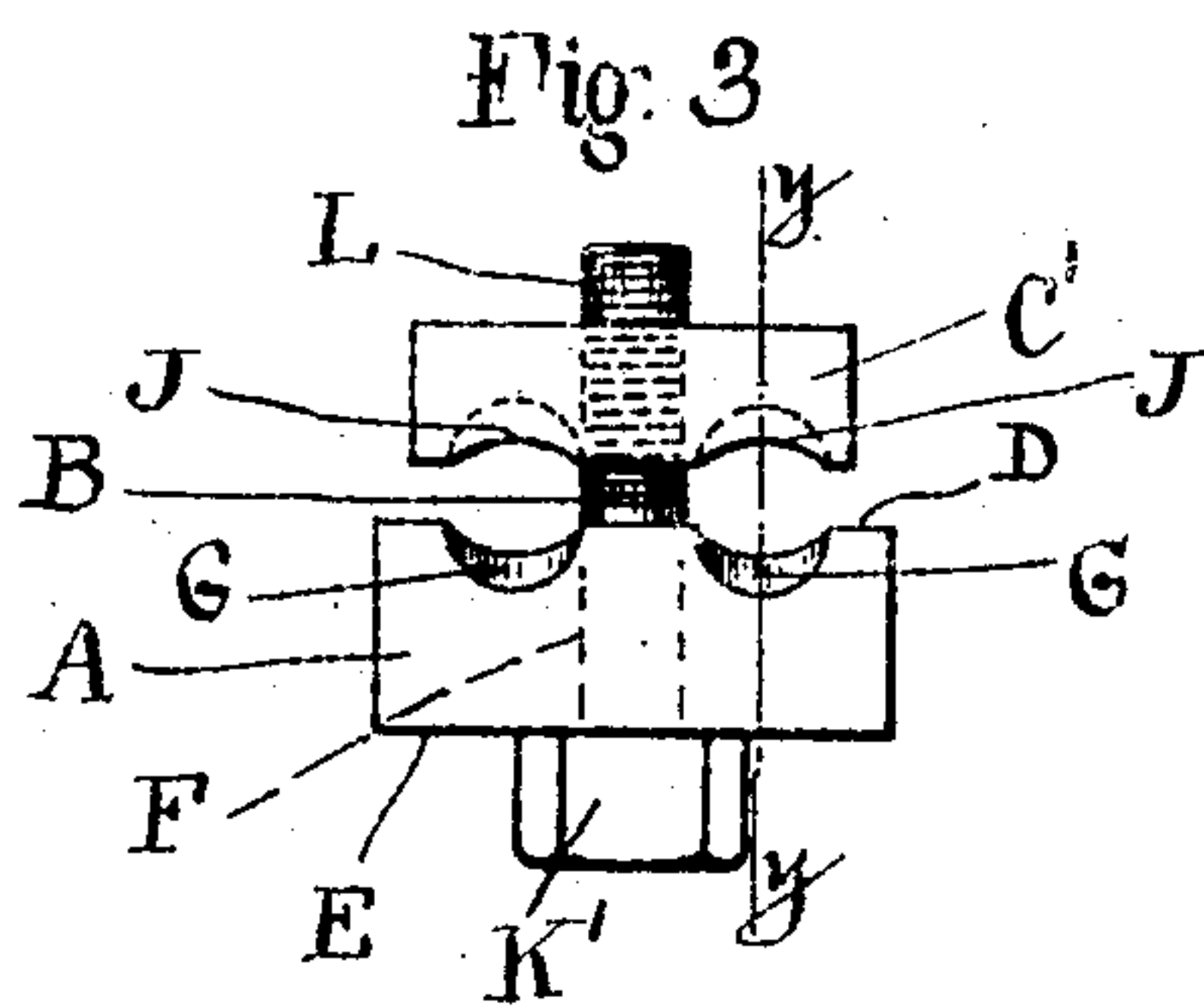
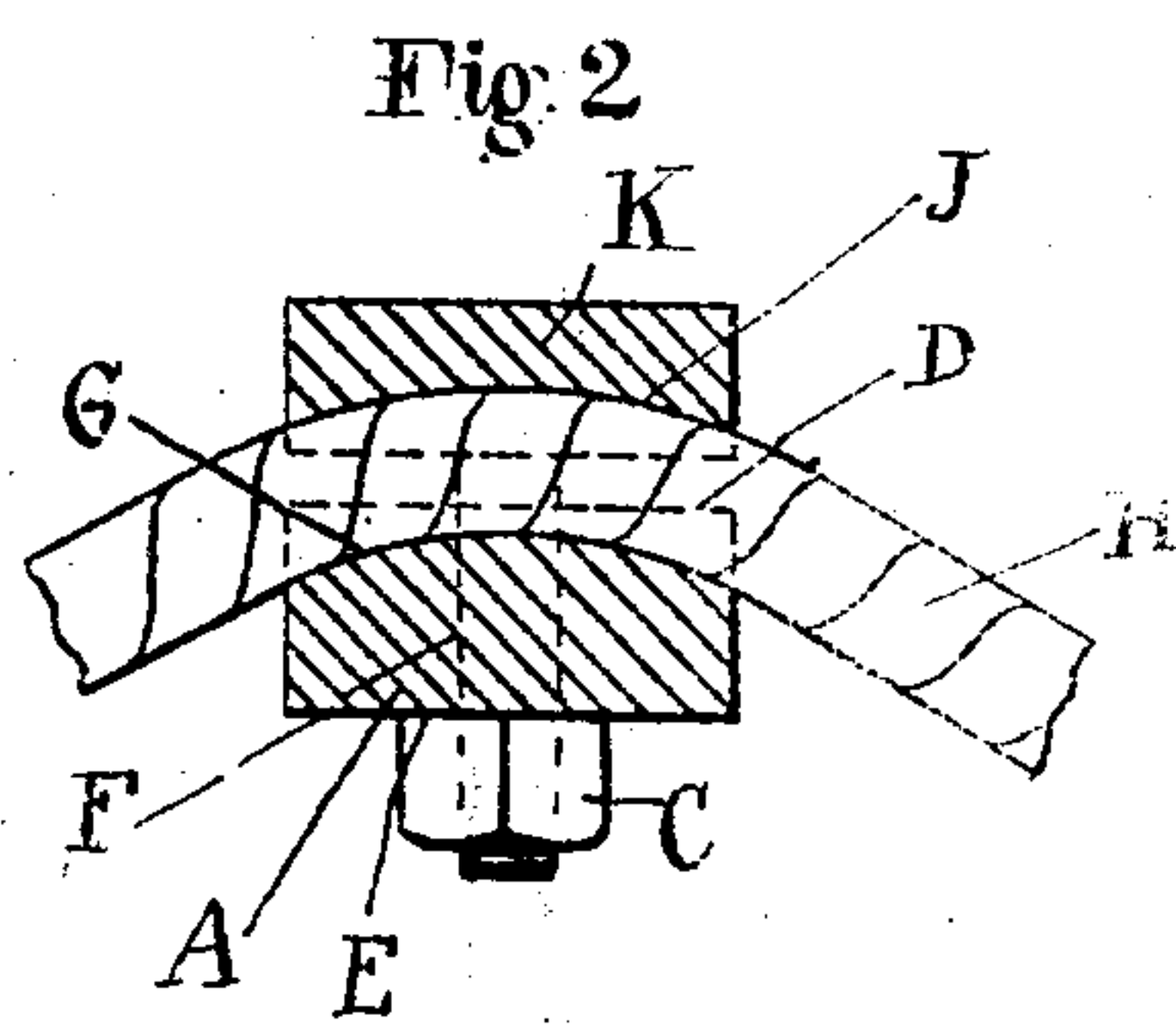
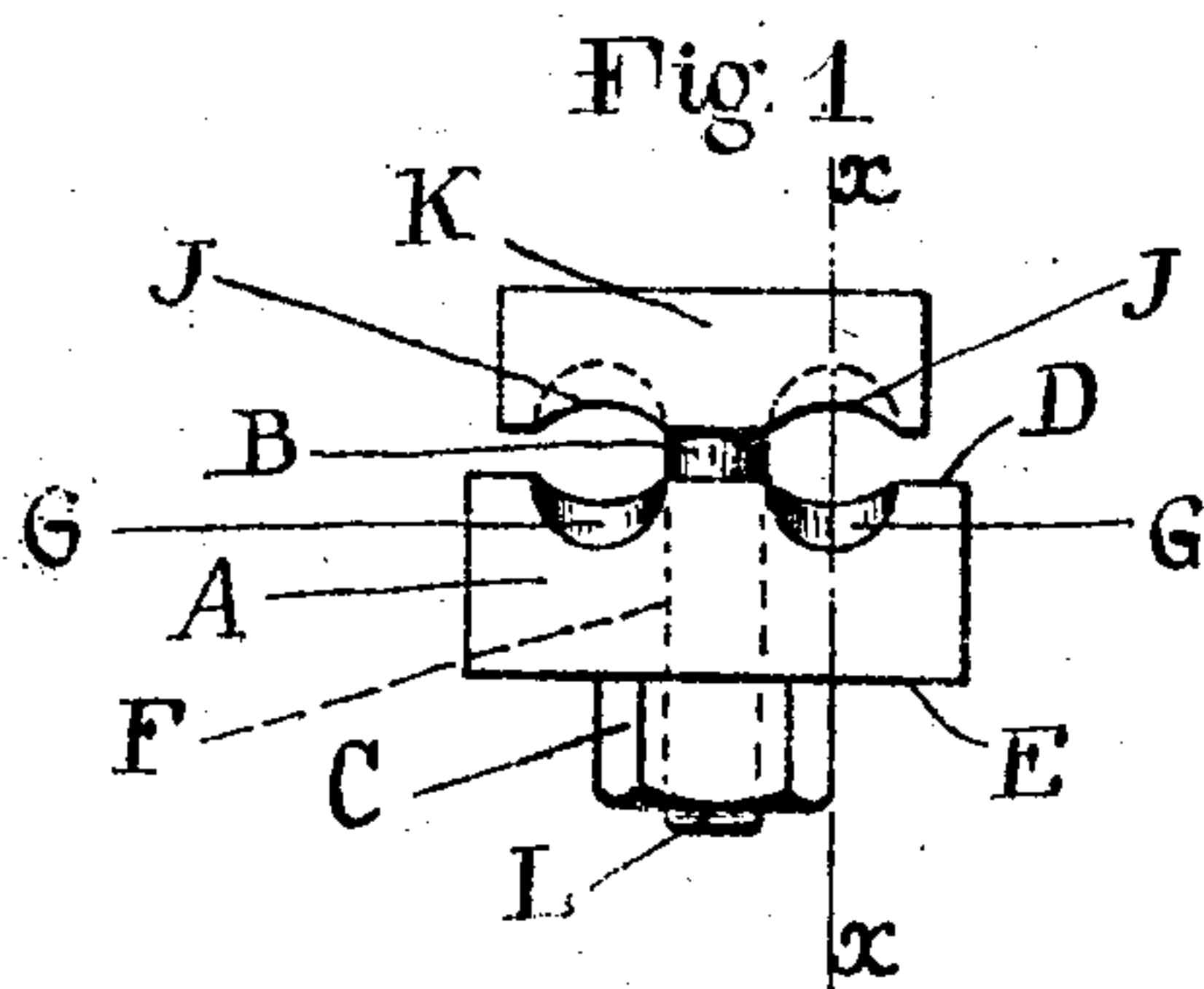


No. 897,903.

PATENTED SEPT. 8, 1908.

J. KENNEDY.
CLAMP.

APPLICATION FILED FEB. 28, 1907.



Witnesses
Frank J. Fringsberg
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UNITED STATES PATENT OFFICE.

JOSEPH KENNEDY, OF NEW YORK, N. Y., ASSIGNOR TO OGDEN IRON & STEEL MANUFACTURING COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

CLAMP.

No. 897,903.

Specification of Letters Patent.

Patented Sept. 8, 1908.

Application filed February 28, 1907. Serial No. 359,808.

To all whom it may concern:

Be it known that I, JOSEPH KENNEDY, a citizen of the United States, and a resident of New York, N. Y., have invented certain new and useful Improvements in Clamps, of which the following is a specification, accompanied by drawings.

This invention relates to clamps, more particularly to rope clamps or guy clamps, and the objects of the invention are to improve upon the construction of such devices, and increase their efficiency of operation, with simplicity of parts, which are cheap to manufacture.

Another object of the invention is to enable the ropes to be more securely clamped between the parts than heretofore.

Further objects of the invention will hereinafter appear, and to these ends the invention consists of a guy clamp for carrying out all of the above objects embodying the features of construction, combination of elements, and arrangement of parts having the general mode of operation substantially as hereinafter fully described and claimed in this specification, and shown in the accompanying drawings in which

Figure 1 is a side elevation of the clamp embodying the invention; Fig. 2 is a vertical section of the same, on the line $x-x$ of Fig. 1; Fig. 3 is a side elevation of a modification of the guy clamp, and Fig. 4 is a vertical section on the line $y-y$ of Fig. 3.

According to this invention the guy clamp comprises three parts, a body member or jaw A, a securing member or bolt B, and a nut C or C'.

The body member or jaw A is preferably provided with flat parallel faces D and E, and a single central longitudinal hole F entirely surrounded by the material of the jaw A. One of the faces of said jaw A is provided with transverse grooves G at each side of the central hole F for the reception of the ropes H to be clamped.

Either the bolt B or nut C' is provided with transverse grooves J adapted to register with the grooves G and cooperate therewith to clamp the ropes H.

In Figs. 1 and 2 the flat head K of the bolt is provided with grooves J on its under side and the screw-threaded shank L of the bolt is adapted to be passed through the central hole F in the jaw A so that the head K of the bolt lies opposite to the grooved faces of the

jaw. It will be seen that the under side of the bolt head is adapted to lie in proximity to the jaw without touching the same. Preferably, both sets of grooves G and J both in Fig. 1 and in the modification in Fig. 3. are curved as shown more particularly in the sectional views. Preferably these grooves G and J are curved in planes lying substantially parallel to the axis of the shank of the bolt, in this instance the grooves J being concave, while the grooves G are convex. According to this construction, the ropes are clamped more firmly in position than if the grooves were straight.

In Fig. 3 the shank L of the bolt is adapted to be inserted through the aperture F from the opposite side of the jaw A to that in which it is inserted in Fig. 1, so that the head K' of the bolt lies against the jaw. The nut C' in this instance is provided with the grooves J which cooperate with the grooves G of the jaw A.

I am not to be understood as limiting the invention to the forms of guy clamps shown, for the device may be embodied in widely varying forms within the scope of the appended claims. The invention contemplates, however, a simple form of guy clamp comprising three essential parts, whereby the guy ropes may be clamped directly between and against any two of said parts.

I claim and desire to obtain by Letters Patent the following:

1. A guy clamp comprising in combination three parts only, first, a body member, or jaw, having flat parallel faces and a single central longitudinal hole, secondly, a securing member or bolt having a flat head, a shank and a screw-threaded end, the shank of the bolt being passed through the central hole in the jaw, and a nut on the screw threaded shank of the bolt, two of said three parts being provided on their meeting faces with cooperating curved transverse grooves adapted to lie at each side of the shank of the bolt, whereby guy ropes may be clamped directly between said two grooved parts.

2. A guy clamp comprising in combination three parts only, first, a body member or jaw having flat parallel faces, and a single central longitudinal hole entirely surrounded by the material of the jaw, one of the faces of said jaw being provided with curved transverse grooves at each side of the central hole, secondly, a securing member or bolt having a

flat head, a shank and a screw-threaded end, the shank of the bolt being passed through the central hole in the jaw, and the head of the bolt lying opposite the grooved face of the jaw, the under side of the bolt head being adapted to lie in proximity to the jaw without touching the same, and said under side of the bolt head being provided with curved transverse grooves adapted to register with the grooves in the jaw, whereby guy ropes may be clamped directly between and

against the bolt head and jaw, and thirdly, a nut on the screw-threaded shank of the bolt for tightening and holding the parts.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOSEPH KENNEDY.

Witnesses:

C. E. CLINT,

H. A. TAYLOR.