

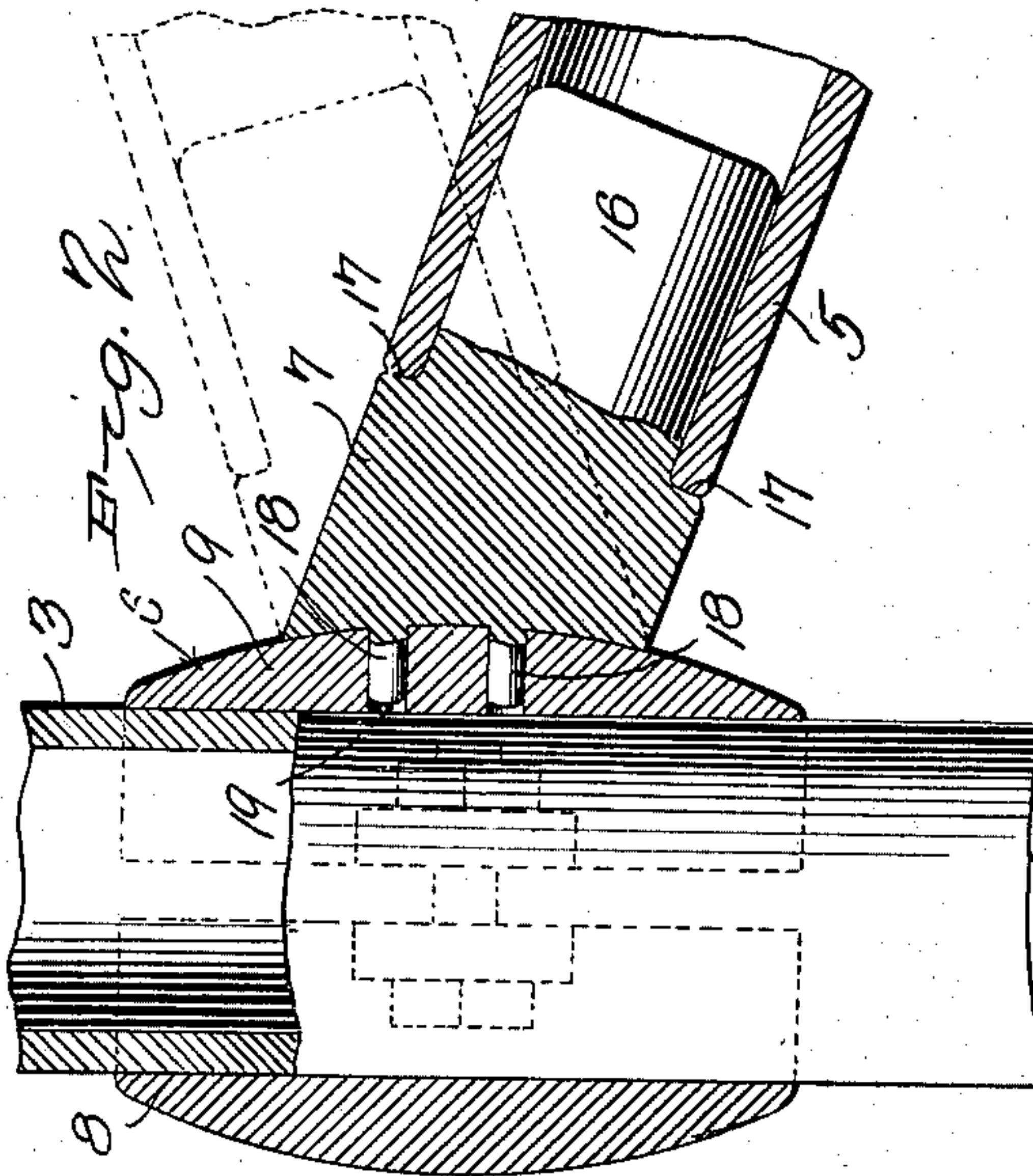
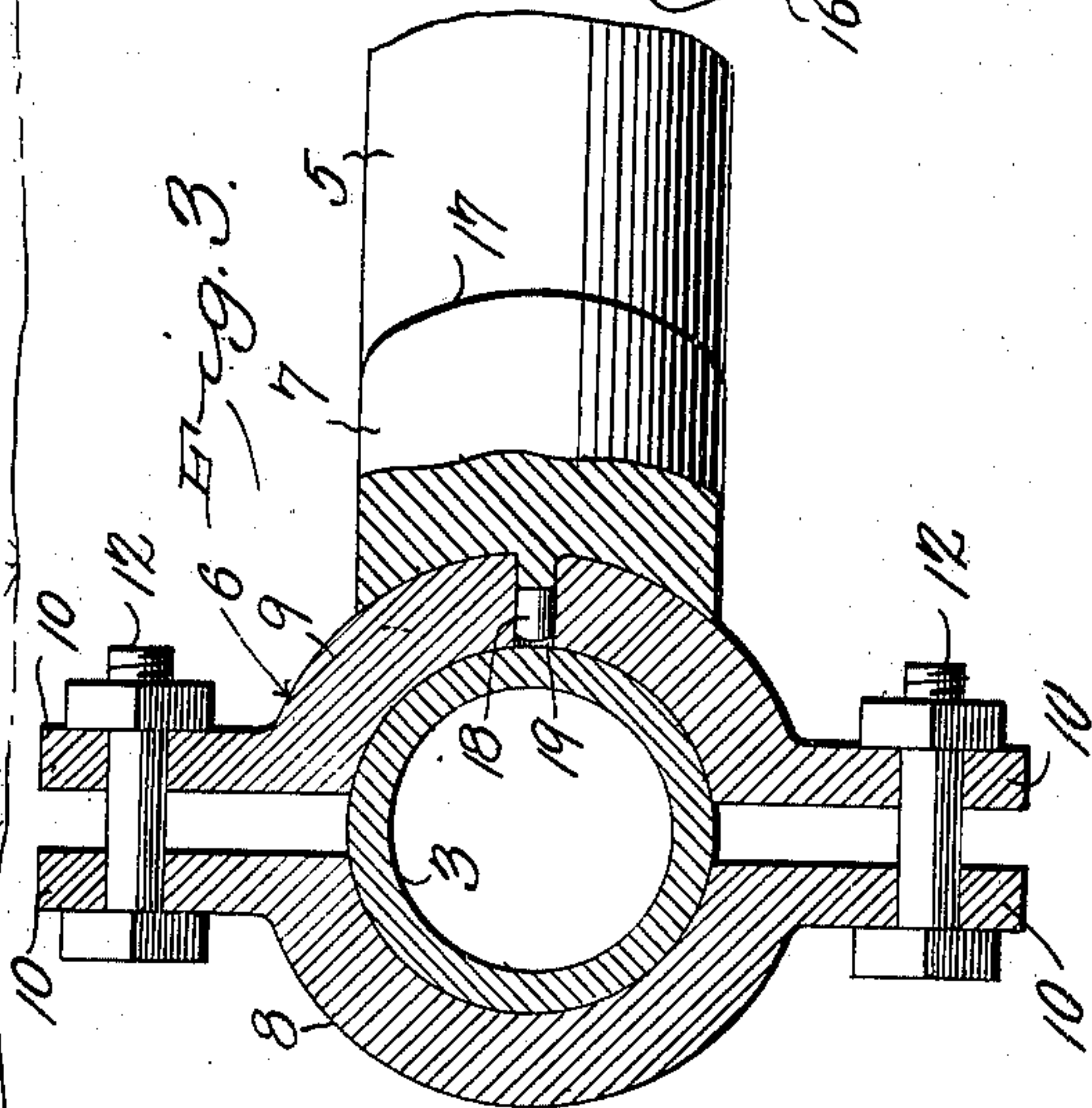
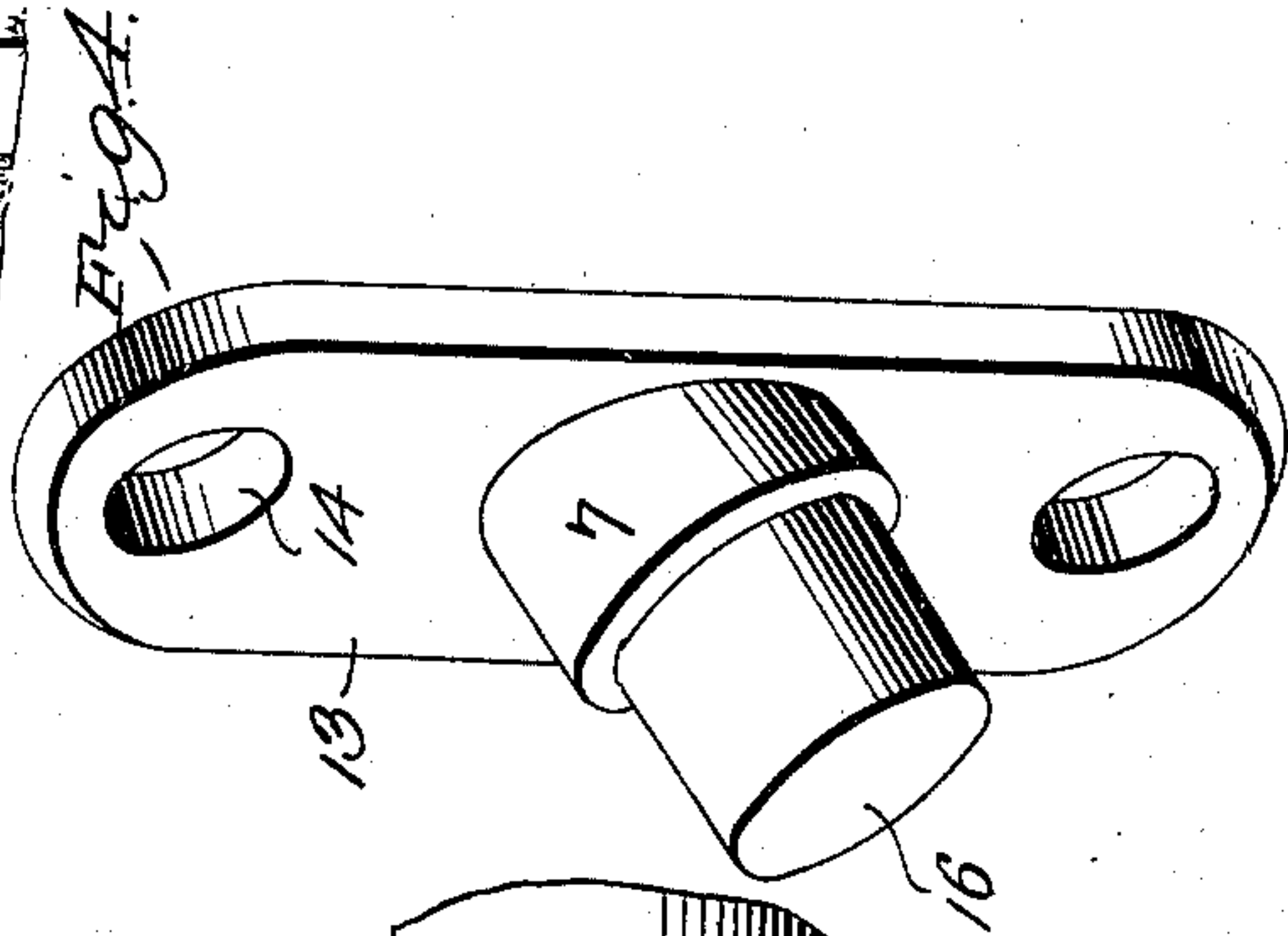
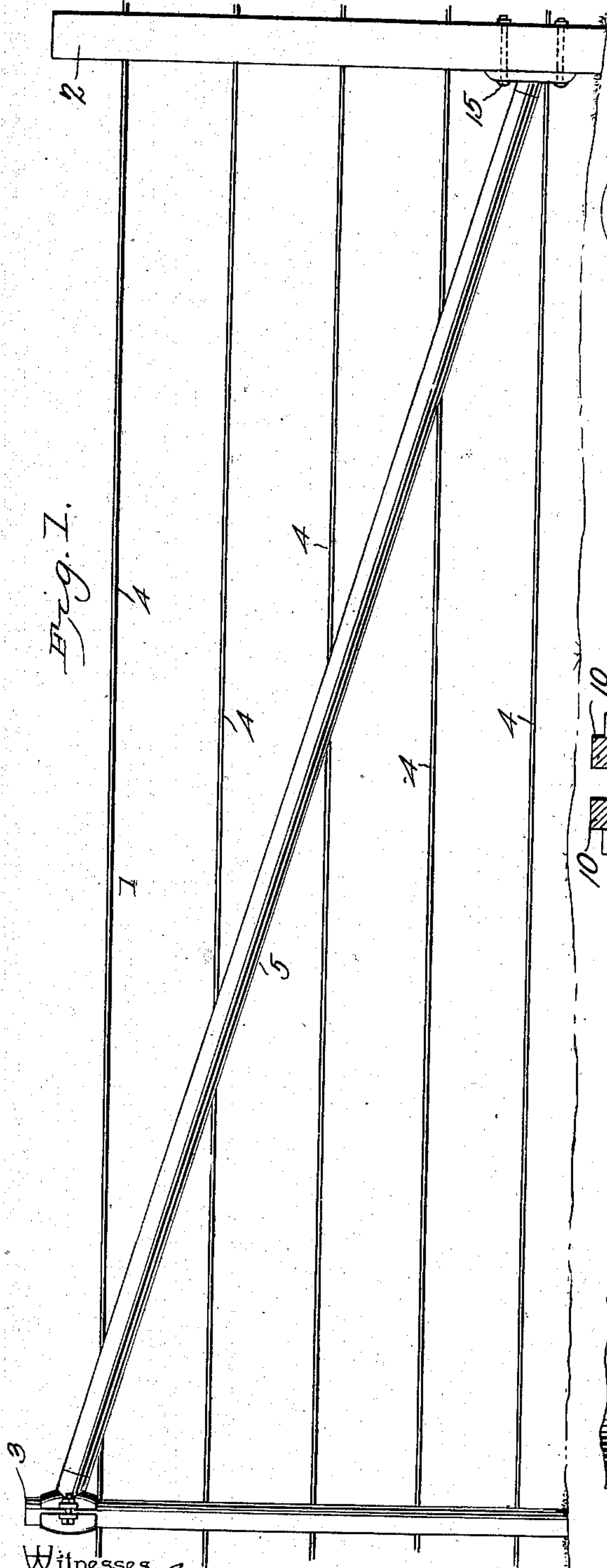
No. 736,195.

PATENTED AUG. 11, 1903.

D. F. BEARD.
FENCE.

APPLICATION FILED MAR. 10, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

DAVID F. BEARD, OF HORTON, KANSAS.

FENCE.

SPECIFICATION forming part of Letters Patent No. 736,195, dated August 11, 1903.

Application filed March 10, 1903. Serial No. 147,063. (No model.)

To all whom it may concern:

Be it known that I, DAVID F. BEARD, a citizen of the United States, residing at Horton, in the county of Brown and State of Kansas, have invented a new and useful Fence, of which the following is a specification.

My invention has for its objects to produce a simple, durable, and efficient connecting device by means of which boiler-tubes can be employed as fence-posts and as braces between the posts, the device being in the nature of a connecting device by means of which the braces can be readily and securely connected at their ends to the respective posts, thus permitting the employment of the boiler-tubes for the above-mentioned purpose, with a consequent reduction of the original cost of erecting the fences and a reduction of the cost of maintaining such fences in repair.

To these ends the invention comprises the novel details of construction and combination of parts more fully hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side elevation of a fence constructed in accordance with my invention. Fig. 2 is a detailed sectional elevation of my improved connecting device as employed with tubular posts. Fig. 3 is a similar view of the same, taken at right angles to Fig. 2 or in a horizontal plane. Fig. 4 is a perspective view of a modified form of the device for use with the ordinary square posts.

Referring to the drawings, 1 indicates a fence comprising posts 2 and 3, sustaining wires 4 and suitably strengthened by an inclined brace 5. The posts may be sustained by embedding their ends in the ground, as usual, or in any suitable or desired manner, and the wires may be connected to the posts by any suitable means, inasmuch as these features constitute no part of my invention.

For convenience of illustration I have shown the post 2 as being of the form now usually employed in constructing railway-fences and as composed of wood, while the post 3 is shown as composed of boiler-tubing in accordance with my invention, while the brace 5 is also shown as consisting of the latter material.

The essence of my invention resides in the means for connecting the ends of the brace

to the respective posts, and consists of a main member 6, adapted for attachment to the post, and a supplemental member 7, carried thereby and adapted to project into the end of the tubular brace for sustaining the same. When the device is to be attached to a post formed of boiler-tubing, as shown at 3 in the drawings, the main member will consist of a tubular sleeve composed of two sections 8 and 9, which conjointly embrace the post, said sections each having at opposite sides perforated ears 10, registering with similar ears formed on the other section for the reception of bolts 12, by means of which the sections of the member are united and firmly clamped upon the post. When, however, the device is to be employed in connection with one of the old-style posts, as shown at 2 in the accompanying drawings, the main member will consist of a flat metal plate 13, having suitable perforations 14 for the reception of bolts 15, by means of which the plate is connected to the post. It will be understood in this connection that the two forms of main members above described are provided in order to adapt the device for use in attaching the tubular braces to the old-style posts of fences now standing or to the tubular posts which may be employed in future during the erection of such fences. In both instances, however, the supplemental member 7 will be in the form of a tubular casting having a reduced portion 16, cylindrical in cross-section and of a size to fit snugly within the end of boiler-tubes of the standard size, which reduction of the end of the casting forms a shoulder 17, which will lie at the end of the tubular brace, thus forming a smooth neat joint between the parts. The supplemental member 7 has formed on its outer end a pair of lugs or fingers 18, which engage perforations 19 of the main member 6, thus detachably connecting the supplemental to the main member. The end of the supplemental member which abuts against the face of the main member is suitably beveled in order that the member 7 may project from the member 6 at a suitable inclination to conform to the inclination of the brace 5. It will be understood, of course, that when the member 6 is in the form of the flat metal plate 13 the abutting end of the member 7 will be flat to lie flush against the same and when in the

form of the tubular sleeve the abutting end of the member 7 will be concaved to suitably conform thereto. The member 7 is detachably connected with the member 6 in order

5 that the former may be removed and reversed in order to reverse the inclination of the same.

From the foregoing description it will be seen that I produce a device by means of which damaged boiler-tubes may be employed as

10 posts and braces for the fences along railroads and when employed in the latter capacity may be readily connected to the old-style posts, and in attaining these ends it is to be understood that I do not limit myself

15 to the precise details herein shown and described, inasmuch as various minor changes may be made without departing from the spirit of my invention. For example, the members 6 and 7 instead of being formed

20 separately may be made integral and the device be turned bodily upon the post in order to change the angular direction of member 7. It is obvious, however, that such a construction is not as desirable as that in which the

25 members are separable.

Having thus described my invention, what I claim is—

1. In a fence, the combination with a post, of a primary member associated therewith, a

secondary member associated with the pri- 30
mary member and projecting therefrom at an angle, one of said members being provided with perforations and the other with lugs for detachably engaging the perforations to de- 35
tachably connect the members and permit the reversal of the secondary member to change its angular direction relative to the primary member, and a diagonally-disposed tubular brace having its end engaged with the sec- 40
ondary member.

2. In a fence, the combination with a post, of a primary member associated therewith and provided with a plurality of perforations, a secondary member provided with lugs re- 45
movably engaging the perforations and having its inner end beveled, whereby it will project from the primary member at an angle, and a diagonally-disposed tubular brace having its end mounted upon the secondary member. 50

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

DAVID F. BEARD.

Witnesses:

H. H. MOORE,
M. H. SOPER.