No. 656,890. Patented Aug. 28, 1900.

W. P. HENDON.

CLEVIS.

(Application filed Nov. 9, 1899.)

(No Model.)

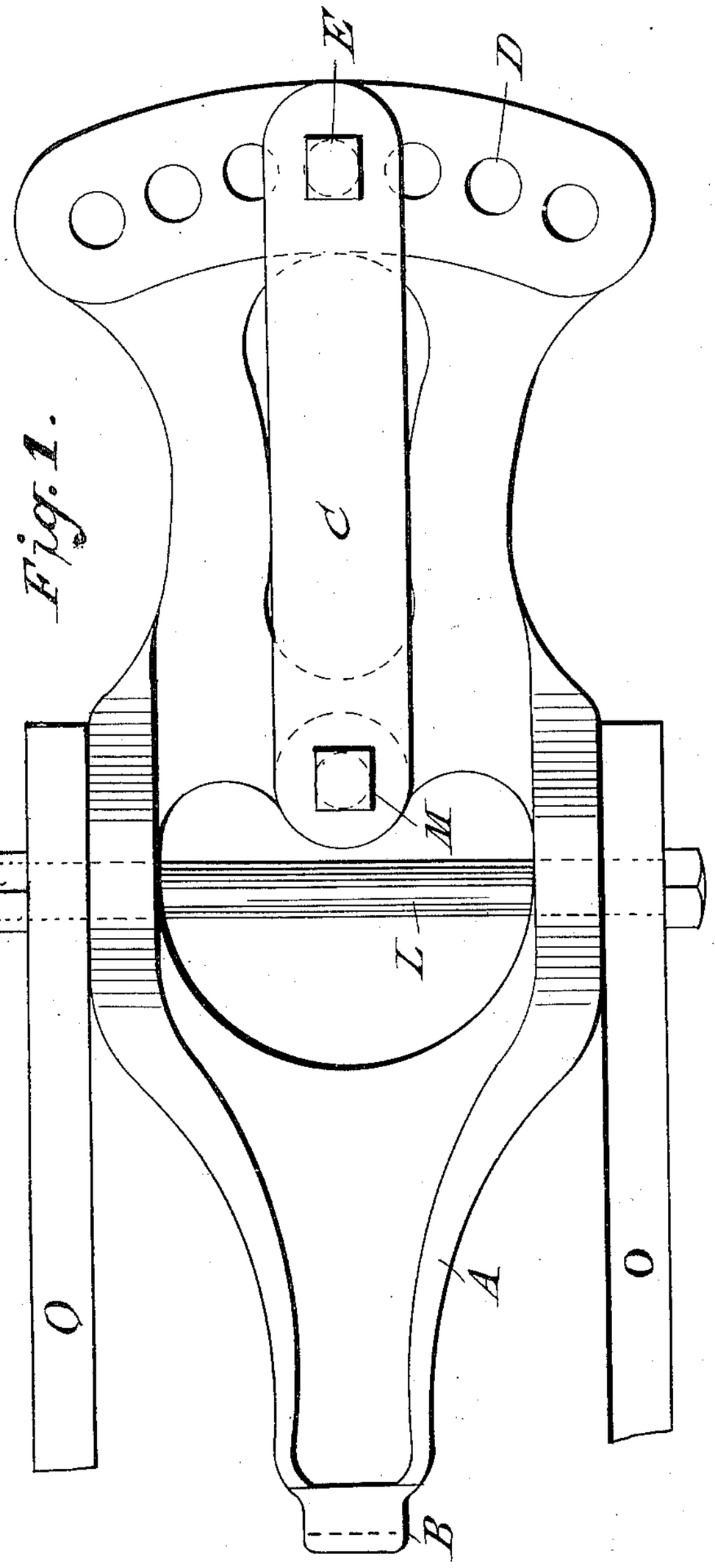

Fig. 1.

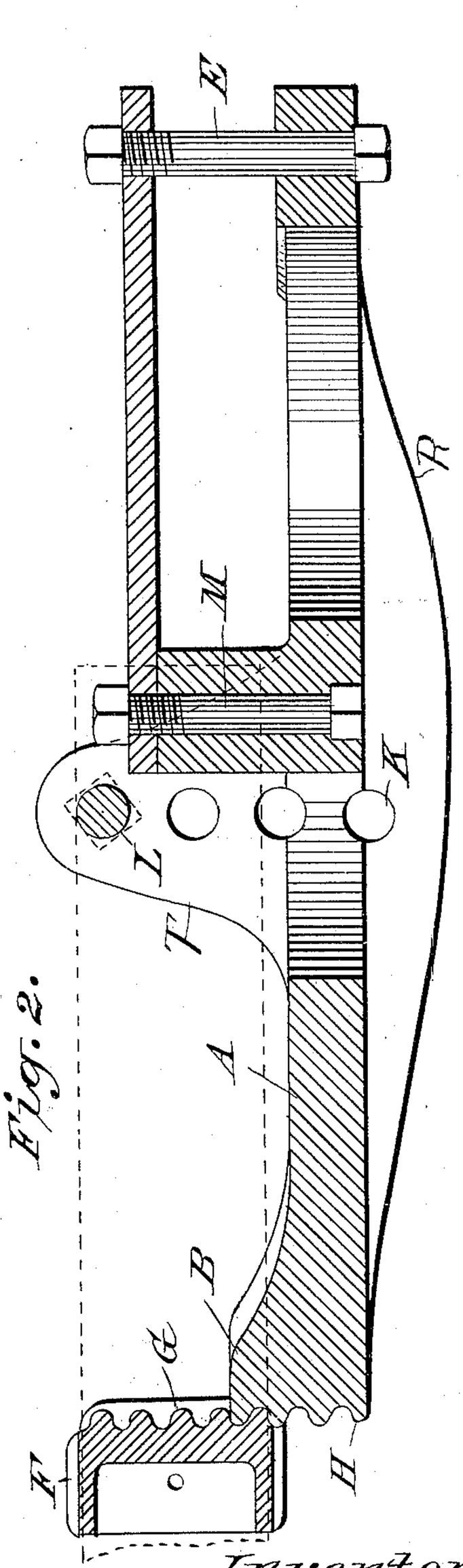

Fig. 2.

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UNITED STATES PATENT OFFICE.

WALTER PRESTON HENDON, OF DALLAS, TEXAS, ASSIGNOR TO E. BEMENT'S SONS, OF LANSING, MICHIGAN.

CLEVIS.

SPECIFICATION forming part of Letters Patent No. 656,890, dated August 28, 1900.

Application filed November 9, 1899. Serial No. 736,342. (No model.)

To all whom it may concern:

Be it known that I, WALTER PRESTON HENDON, a citizen of the United States, residing at Dallas, in the county of Dallas and State of Texas, have invented a new and useful Improvement in Clevises, of which the following is a specification.

My invention relates to improvements in clevises or draw-bars for plows and other similar implements. In the use of such implements it is necessary to have a clevis or draw-bar which shall permit the point of draft to be varied both vertically and horizontally in order to regulate the depth and width of the furrow and yet shall be rigid and form substantially a part of the beam of the plow or other implement when in operation. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of the clevis proper from the top. Fig. 2 is a vertical section of my clevis in position, in which the beam of the plow or other implement to which the clevis is attached is indicated by the dotted lines.

Similar letters refer to similar parts throughout both views.

The anterior part of my device does not differ in any material particulars from many others, it being composed, preferably, of a projection from the main body of the clevis having a row of holes D adapted to receive the bolt of the whiffletree to which the horses are attached. The strap C is attached to the upper surface of the clevis by the bolt M and is free to revolve upon it and has a hole near its other extremity conforming to the holes D to receive the bolt E and prevent side strains upon it. The middle of the clevis is thickened in a vertical direction by a rib R and a projection T. A vertical series of holes K is bored horizontally through this thickened portion of the clevis adapted to receive the bolt L, which passes through holes in the beam of the plow O, securing the clevis in position. Back of these holes the clevis is formed into a projection A, carrying at its extremity a tongue B, on which is formed a rack composed of one or more horizontal teeth H. These teeth are adapted to engage with corresponding teeth in the block F, which is either formed integrally with the draw-bar of the plow or other implement or is inserted between the two portions of the divided beam O, as may be convenient.

Suppose the clevis to be in the position indicated by Fig. 2. In order to raise it, the bolt L is removed. The clevis is then raised to any desired position, the teeth H engaging with the corresponding teeth G in the block F in the new position. The bolt L is then replaced in the desired one of the holes K and the operation is complete.

It will be readily seen that this form of construction is capable of any desired vertical adjustment, limited only by the number of teeth H and G and of the holes K, and of horizontal adjustment, limited only by the number of holes D employed, and that it is only necessary to remove and replace two bolts to secure both adjustments, while when the bolts are in position the clevis forms practically an integral part of the beam of the plow itself.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A clevis having a vertical series of holes at its middle portion and a rack at its posterior extremity adapted to engage a corresponding rack on the draw-bar of the implement to which it is attached, substantially as described.

2. A clevis having a vertical series of holes through its middle portion and a rack at its posterior extremity adapted to engage a corresponding rack on the draw-bar of the implement to which it is attached and a forwardly-extending projection containing holes adapted to receive a whiffletree-bolt, substantially as described.

3. In a clevis having anterior and posterior projections, the latter being formed into a rack, and a vertical series of holes in combination with the rack G and strap C and means for securing the said clevis and strap in position substantially as described.

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