

No. 865,626.

PATENTED SEPT. 10, 1907.

G. W. BARNETT.

CLEVIS.

APPLICATION FILED DEC. 18, 1906.

Fig. 1.

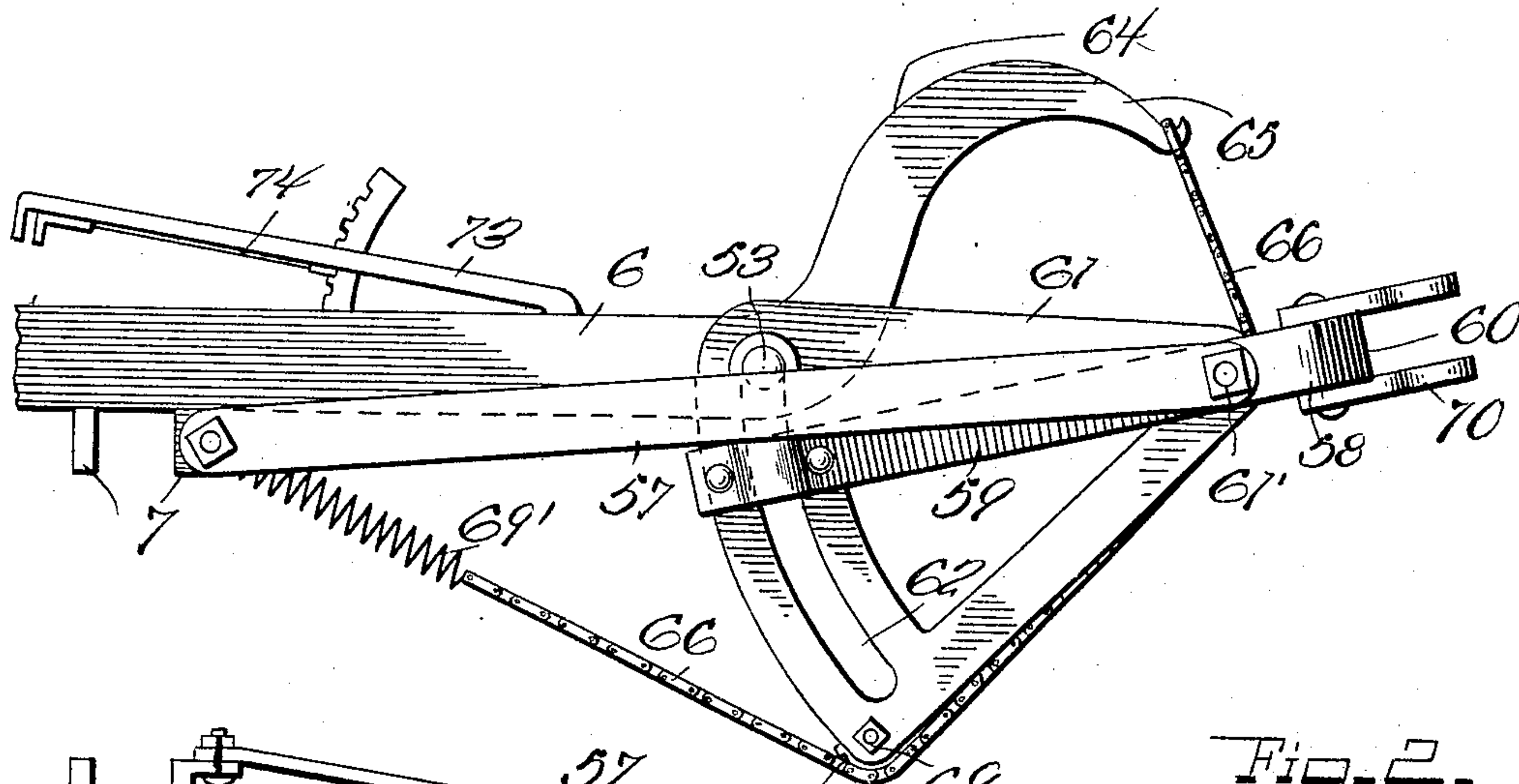
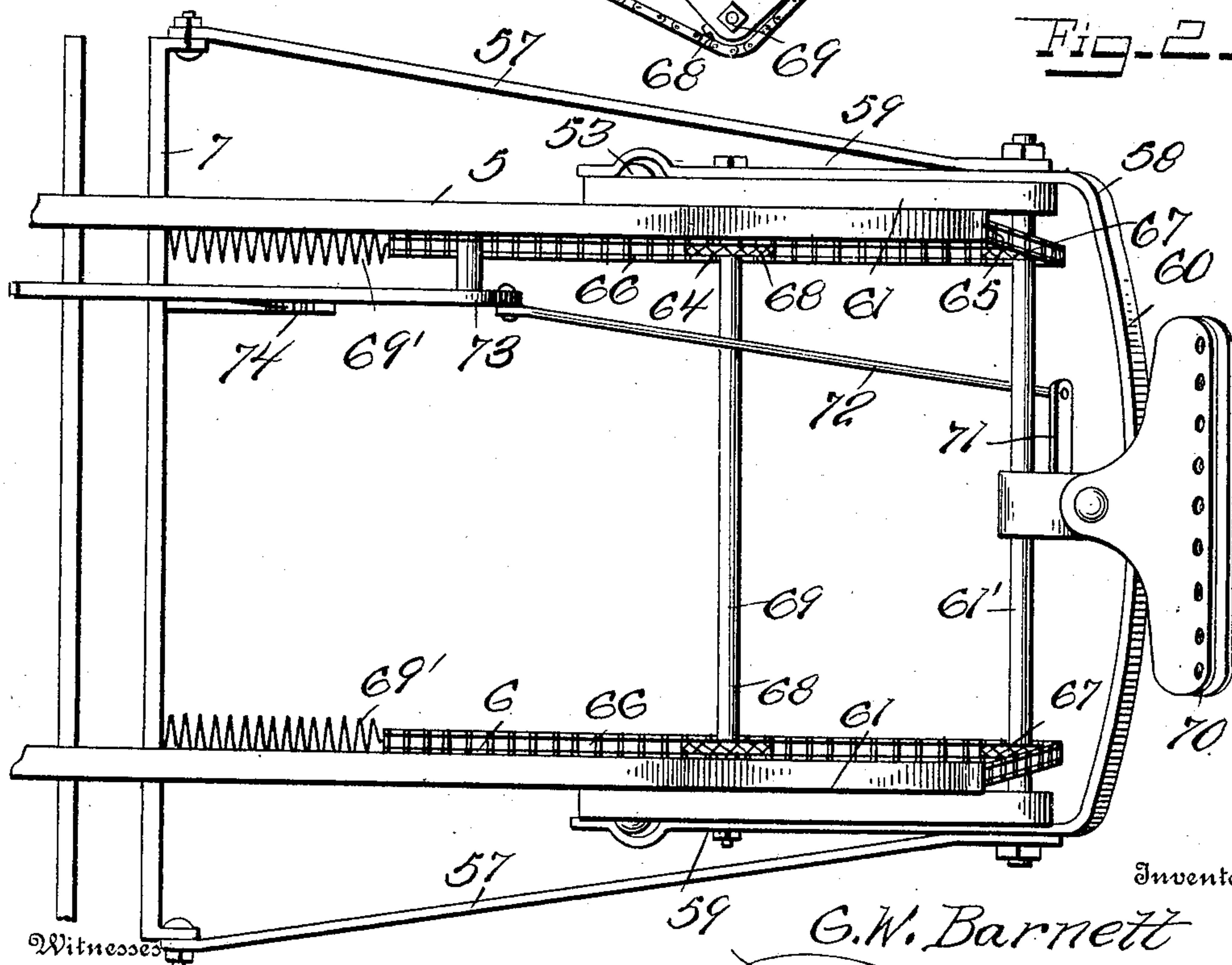


Fig. 2.



Inventor

G. W. Barnett

Witnesses

G. R. Thomas

Harry E. Chandler

By

Charles Chandler

Attorneys

UNITED STATES PATENT OFFICE.

GEORGE W. BARNETT, OF LOUISE, TEXAS.

CLEVIS.

No. 865,626.

Specification of Letters Patent.

Patented Sept. 10, 1907.

Application filed December 18, 1906. Serial No. 348,416.

To all whom it may concern:

Be it known that I, GEORGE W. BARNETT, a citizen of the United States, residing at Louise, in the county of Wharton, State of Texas, have invented certain new and useful Improvements in Clevises, 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.

10 This invention relates to clevises and more particularly to adjustable clevises and has for its object to provide a clevis especially adapted for use in connection with gang plows and other heavy draft farm apparatus, which will be movable both vertically and laterally, means being provided to hold the clevis at different points of its lateral movement, and other means being provided to hold the clevis yieldably at a predetermined point of its vertical movement.

20 Other objects and advantages will be apparent from the following description, and it is to be understood that I do not desire to be limited to the exact details of construction shown and described, for obvious modifications will occur to a person skilled in the art.

25 In the drawings forming a portion of this specification and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevation of the forward portion of a gang plow with the present invention applied thereto. Fig. 2 is a top plan.

30 Referring now to the drawings, there is shown the forward portion of a gang plow including spaced parallel beams 5 and 6 to which there is secured a cross member 7. Forwardly extending brace plates 57 are pivoted to the outer ends of the cross member 7, and pivoted between the forward ends of the plates 57, there is a yoke 58 including spaced rearwardly extending legs 59 and a connecting horizontal bight 60. A pivot bolt 61' is engaged in the plates 57 and in the legs 59 of the yoke, and secured against the inner faces of these legs, there are vertically disposed plates 61 having arcuate vertically extending slots 62 in their rearward portions, which receive slidably therewithin guide pins 53 carried by the beams 5 and 6.

45 The legs 59 of the yoke extend across the slots 62, at which points they are bowed outwardly to permit movement of the guide pins in the slots, these pins extending through the slots and having heads at their outer ends, as shown.

50 Forwardly of the guide pins 53, the plow beams are turned upwardly, as shown at 64, and these upwardly turned portions are provided with forwardly directed fingers 65, having hooked extremities for the reception of sprocket chains 66, these sprocket chains being engaged with sprocket wheels 67 mounted upon the pivot bolt 61', and with similar sprocket wheels 68 which are mounted upon a transverse rod 69 engaged in the lower

rearward portions of the plates 61. Secured to the rearward ends of the chains 66, there are helical springs 69' which are secured to the cross member 7 and it will thus be seen that the plates 61 and yoke 58 are held yieldably against downward movement, such movement being possible because of the provision of the slots 62.

The bolt 61' carries a clevis proper, the front and rear members of which are pivotally connected together, the rear member being in turn pivoted to said bolt, and the forward member being engaged with the yoke, as shown. This forward member is further provided with a laterally extending finger 71, connected by a link 72 with a hand lever 73 pivoted to the beam 5. The arrangement is thus such that movement of the hand lever 73 results in a horizontal swinging movement of the forward member of the clevis proper and this horizontal movement will change the draft, as will be readily understood. A rack and dog mechanism 74 is provided to hold the hand lever with the clevis at different points of their movement.

What is claimed is:

1. In a clevis mechanism, the combination with a pair of spaced parallel beams, of a yoke having opposite arms pivoted to the forward ends of said beams, brace rods secured to the yoke, a vertically disposed segmental plate carried by each arm of the yoke, and provided with a vertically extending slot, guide pins carried by the beams and engaged in the slots for vertical movement of the plates with respect thereto, a clevis carried by the forward portion of the yoke, means for holding the yoke yieldably at one limit of its pivotal movement, and means for moving the yoke against the action of said holding means.

2. In a mechanism of the class described, the combination with a beam, of a clevis connected with the beam for bodily vertical movement and for pivotal horizontal movement, means for holding the clevis yieldably against vertical movement, and means for moving the clevis horizontally.

3. In a clevis mechanism, the combination with a beam, of a yoke connected thereto for pivotal and vertical movement, a clevis connected with the yoke for pivotal movement, means for moving the clevis pivotally, a sprocket wheel connected with the yoke for vertical movement therewith, a chain engaged with the sprocket wheel, said chain having a fixed end, and a fixed spring connected to the other end of the chain, said spring being arranged to hold the chain yieldably with the yoke against movement.

4. A clevis mechanism comprising spaced beams, guide pins engaged in the beams, plates having vertically extending slots in which the guide pins are slidably engaged, cross rods engaged in the plates, sprocket wheels mounted upon the rods, chains engaged with the sprocket wheels and connected at their ends with the beams, fixed springs connected with the other ends of the chains, a yoke carried by the plates, and a clevis connected with the yoke.

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

G. W. BARNETT.

Witnesses:

W. C. NOLEN,

ROY W. BARNETT.