

No. 682,723.

Patented Sept. 17, 1901.

A. LINDGREN.
PLOW CLEVIS.

(Application filed July 16, 1901.)

(No Model.)

Fig. 1.

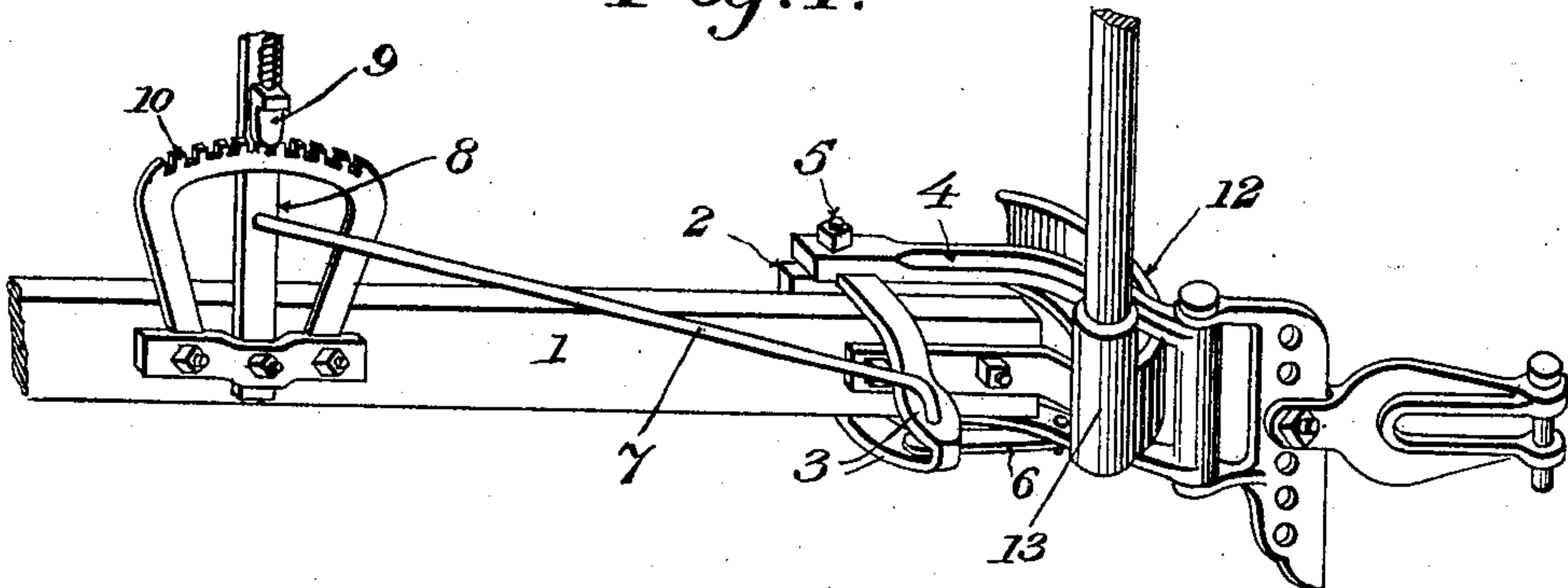


Fig. 2.

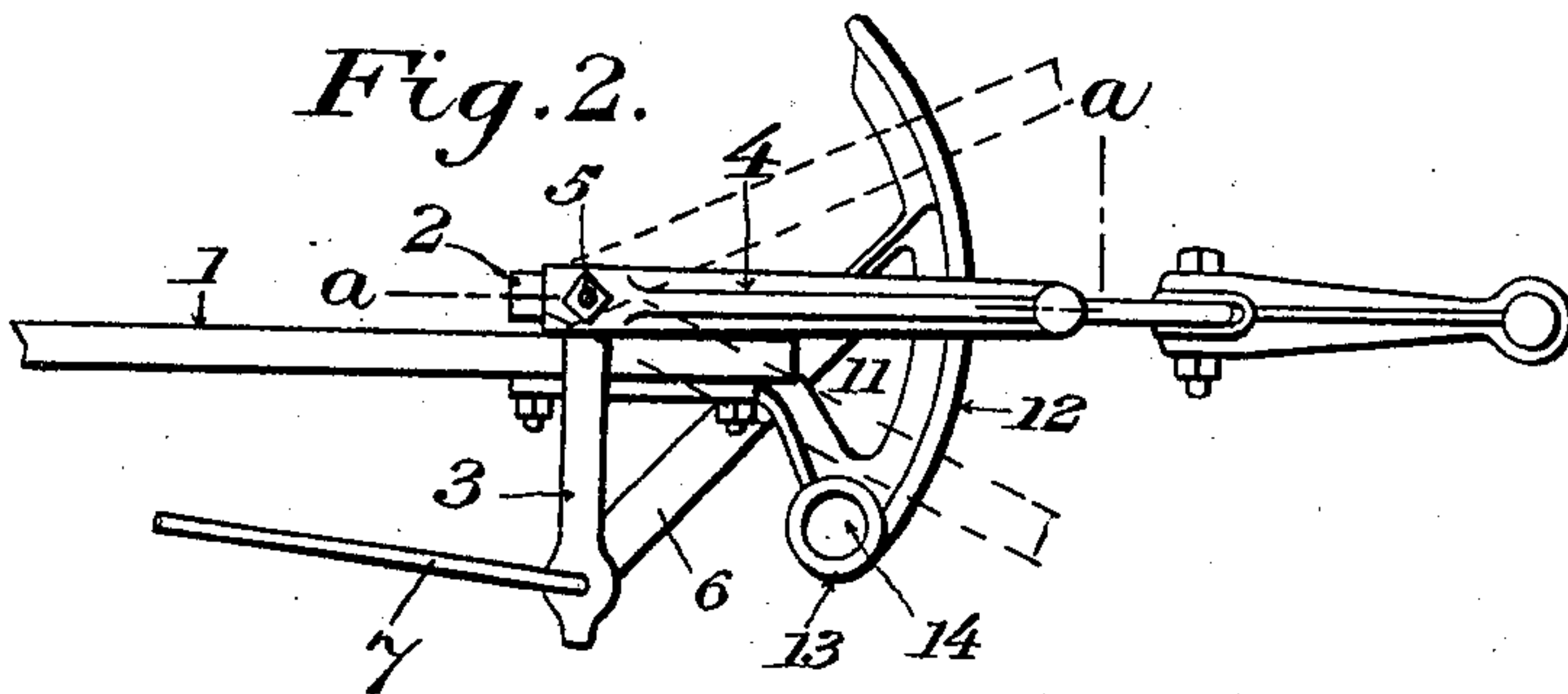


Fig. 3.

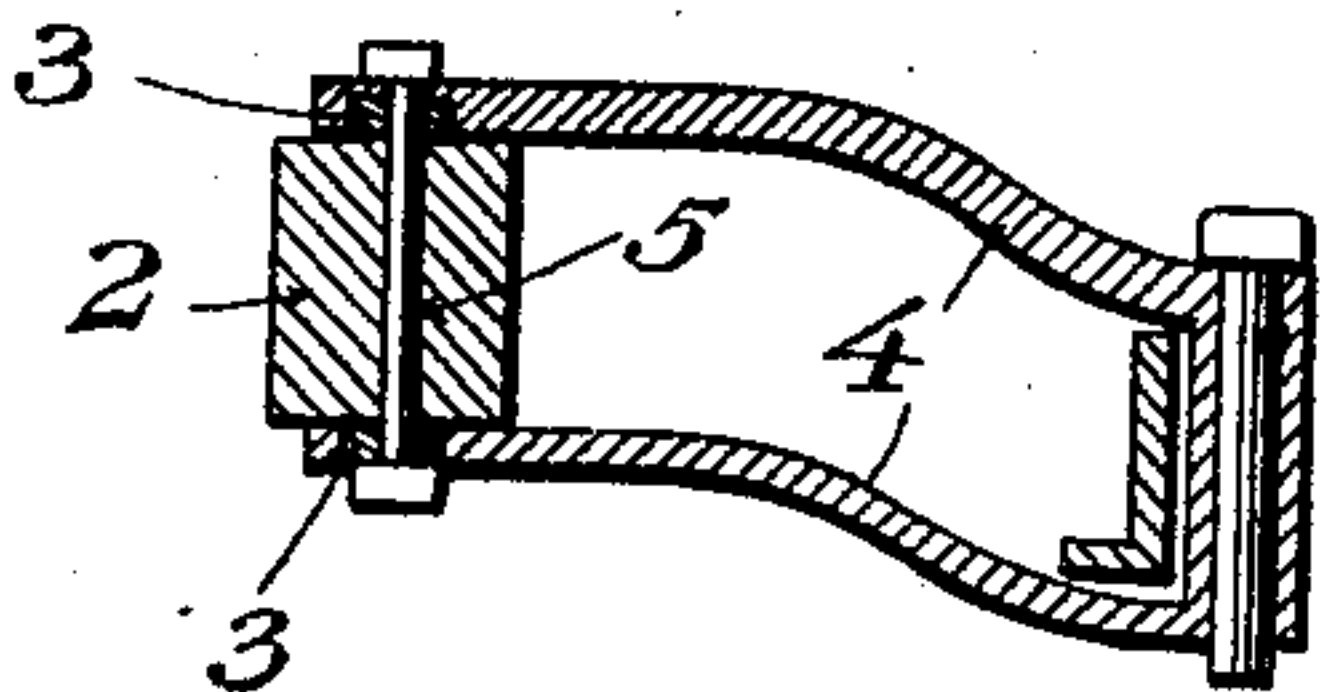
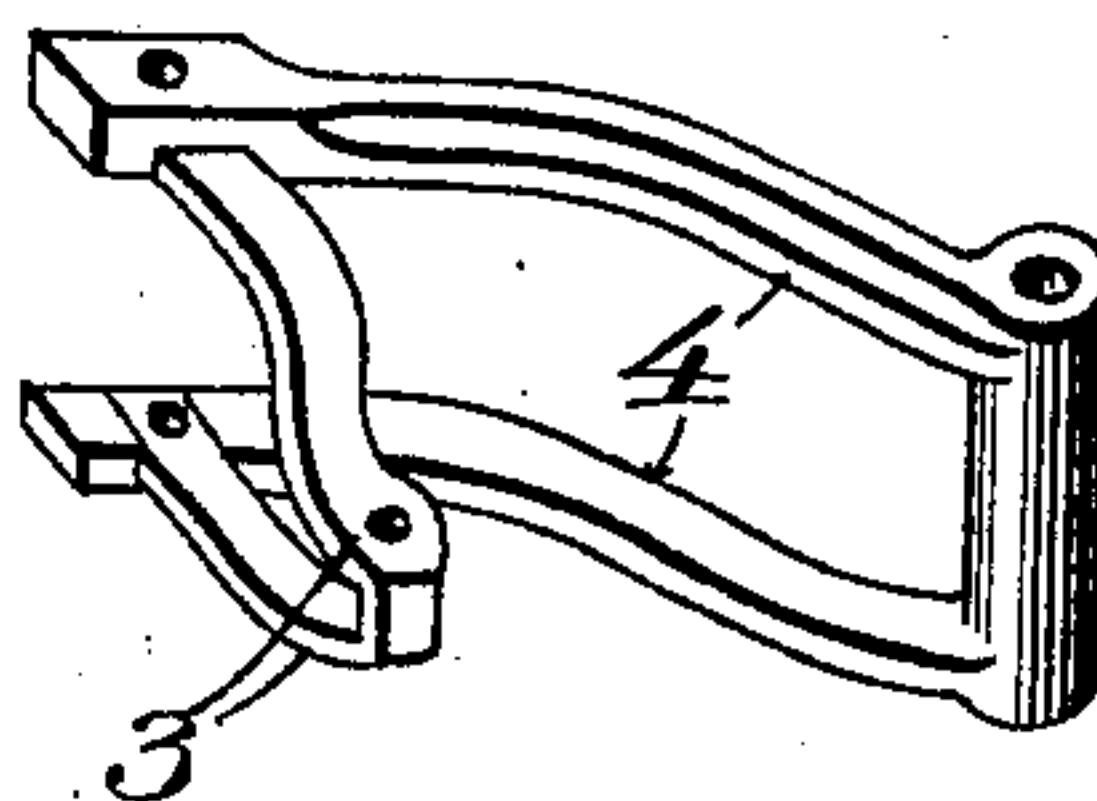


Fig. 4.



Witnesses

F. J. Elmore
A. M. E. Kennedy

by

August Lindgren Inventor
Philip T. Dodge Attorney

UNITED STATES PATENT OFFICE.

AUGUST LINDGREN, OF MOLINE, ILLINOIS, ASSIGNOR TO THE MOLINE
PLOW COMPANY, OF ILLINOIS.

PLOW-CLEVIS.

SPECIFICATION forming part of Letters Patent No. 682,723, dated September 17, 1901.

Application filed July 16, 1901. Serial No. 68,470. (No model.)

To all whom it may concern:

Be it known that I, AUGUST LINDGREN, of Moline, county of Rock Island, and State of Illinois, have invented a new and useful Improvement in Plow-Clevises, of which the following is a specification.

This invention has reference to a plow-clevis, the object being to provide for the lateral adjustments of the clevis to vary the width of the furrow.

With this end in view the invention consists in combining with a plow-beam a clevis of improved form pivoted to the same on a vertical axis and connected with an operating-lever on the beam, whereby the clevis may be adjusted on its axis and held in its adjusted position.

The invention consists also in the combination, with the pivoted clevis, of a supporting-bracket for the clevis applied to the beam and formed with a vertical socket for the reception of a pole-stem when it is desired to use a pole for the draft-animals instead of the clevis.

The invention consists also in the details of construction and combination of parts hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of the forward portion of a plow-beam provided with my improved clevis and its adjusting mechanism. Fig. 2 is a top plan view of the same. Fig. 3 is a longitudinal vertical section on the line *a a* of Fig. 2. Fig. 4 is a perspective view of the clevis removed from the beam.

1 represents a plow-beam having applied to its side at its front end a block 2, which is embraced between the ends of a U-shaped frame forming an arm 3, extending laterally across the upper and lower sides of the beam, as shown in Fig. 2. To the sides of the ends of this arm are applied the rear ends of a clevis-frame 4, which extends longitudinally forward at right angles to the arm. The ends of these two frames are connected together and pivoted to the block by means of a vertical pivot-bolt 5, extending downwardly through the ends of the frames and through the intermediate block and provided on its ends with confining-nuts. The clevis-frame 4 is also of U-shaped form and extends above and below the front end of the beam to some

distance beyond the same, at which point it is provided with draft connections for the attachment of draft-animals. The arm and the clevis-frame are held fixedly in their angular relations by means of a brace-rod 6, which has its forward end fixed to the under side of the clevis-frame and has its rear end extended between the upper and lower sides of the arm 3, to which it is connected by means of a rod 7, having its forward end turned downwardly and extended through the ends of the brace and the arm and its rear end pivoted to a vertical lever 8, jointed at its lower end on the beam and provided with a locking-dog 9, adapted to engage teeth on a segment-bar 10, sustained by the beam. By means of this lever and the connections with the arm on the clevis-frame the latter may be swung on its axis horizontally to one side or the other of the beam, as shown by dotted lines in Fig. 2, so that the draft applied to the clevis will have a tendency to turn the point of the plow inward or outward to vary the width of the furrow according to the particular position in which the clevis is adjusted.

In order that the swinging clevis-frame may be supported in its various positions and prevented from sagging or binding on its axis, I apply to the extreme end of the beam a casting or bracket 11, having a longitudinal rearward extension bolted to the side of the beam, and a curved forward surface 12, extending in front of the beam, and an enlarged end 13, containing a socket 14 to receive a pole-stem when it is desired to use a tongue instead of the clevis. The ends of this bracket are extended far enough beyond the sides of the beam to give support to the clevis throughout its movements, and it serves the double functions of supporting the clevis and as a means for sustaining a pole-stem.

Having thus described my invention, what I claim is—

1. In combination with a plow-beam, a clevis-frame pivoted thereto on a vertical axis, an arm projecting laterally from the side of the same, a brace connecting the arm with the clevis, a lever on the beam, and connections between the lever and the arm for adjusting the clevis-frame.

2. In combination with a plow-beam, a

clevis in the form of a U-shaped frame pivoted thereto on a vertical axis and embracing the ends of the beam, a supporting-bracket applied to the end of the beam within the U-shaped frame, a lever on the beam and suitable connections between the lever and the clevis-frame.

3. In combination with a plow-beam, a clevis in the form of a U-shaped frame embracing the beam, a U-shaped arm projecting laterally from the rear end of the clevis-frame, a pivot-bolt connecting said arms to the beam, a brace connected at its forward end to the clevis-frame and extending at its rear end within the U-shaped frame, a rod having its forward end extended through the ends of the brace and arm, and an adjusting-lever on the beam connected with the rear end of the rod.

4. In combination with the beam, a clevis pivoted thereto on a vertical axis, a lever for adjusting the clevis laterally, and a support-

ing-bracket for the clevis fixed to the forward end of the beam and provided in one end with a vertical socket for the reception of a pole-stem.

5. In combination with a plow-beam, a clevis pivoted thereto on a vertical axis, means for swinging the clevis horizontally on its axis and beyond the sides of the beam, a supporting-bracket for the clevis provided with a rearward longitudinal extension for attachment to the beam, a forward lateral extension for supporting the clevis, and formed in one end of said lateral extension with a vertical socket for the pole-stem.

In testimony whereof I hereunto set my hand, this 31st day of May, 1901, in the presence of two attesting witnesses.

AUGUST LINDGREN.

Witnesses:

C. H. LIPPINCOTT,
L. C. BLANDING.