

No. 683,948.

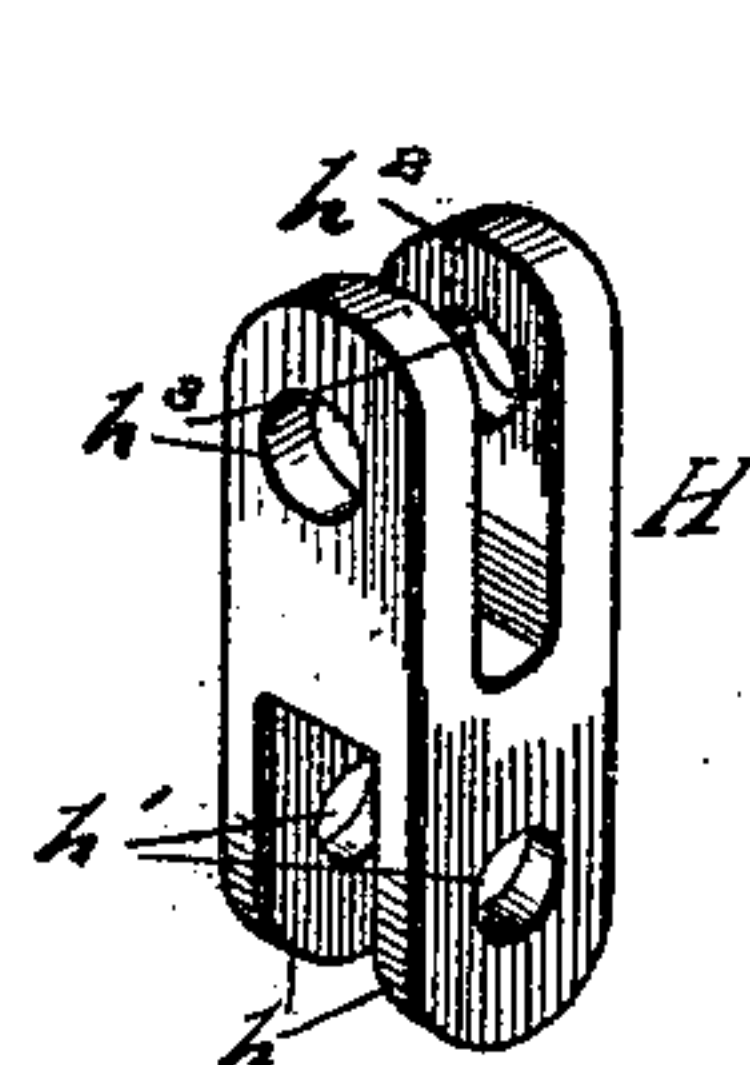
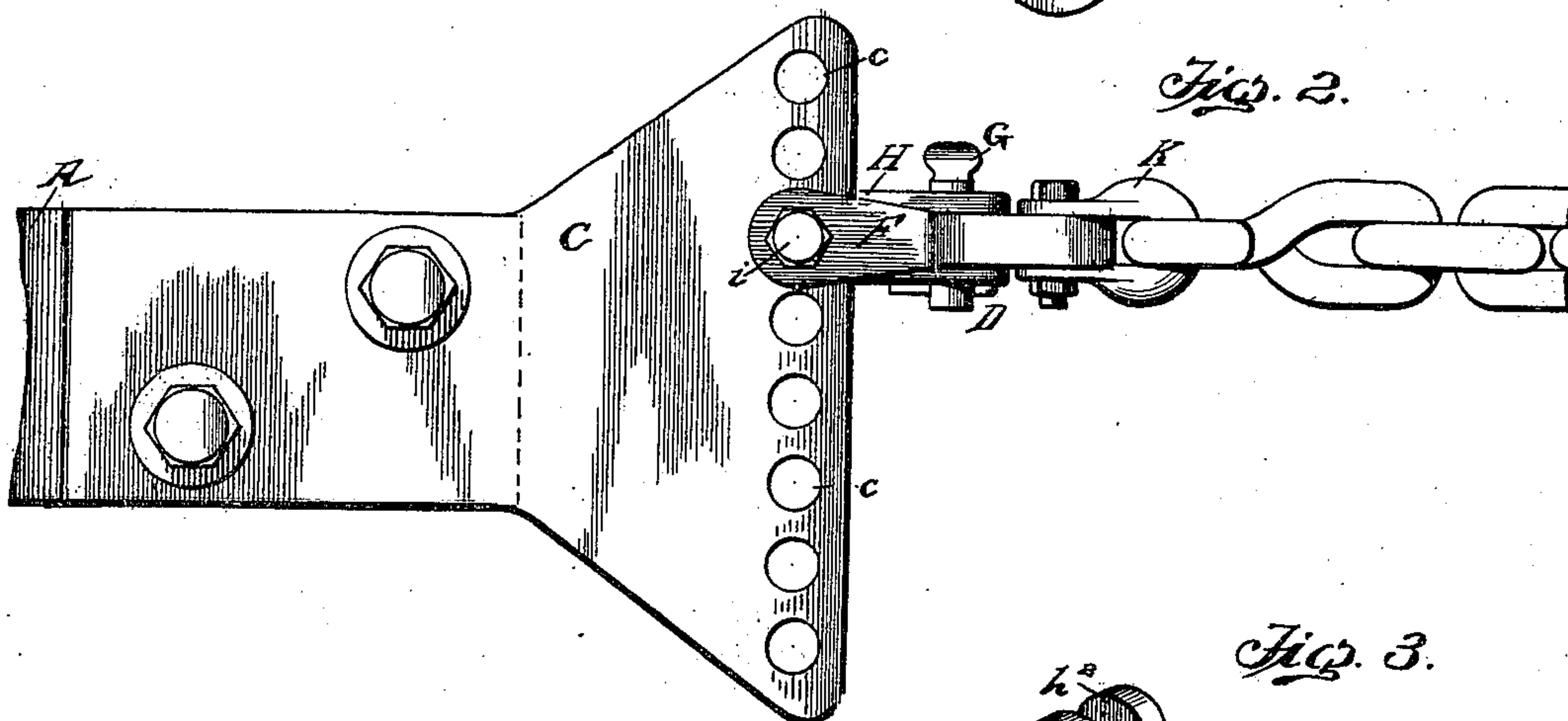
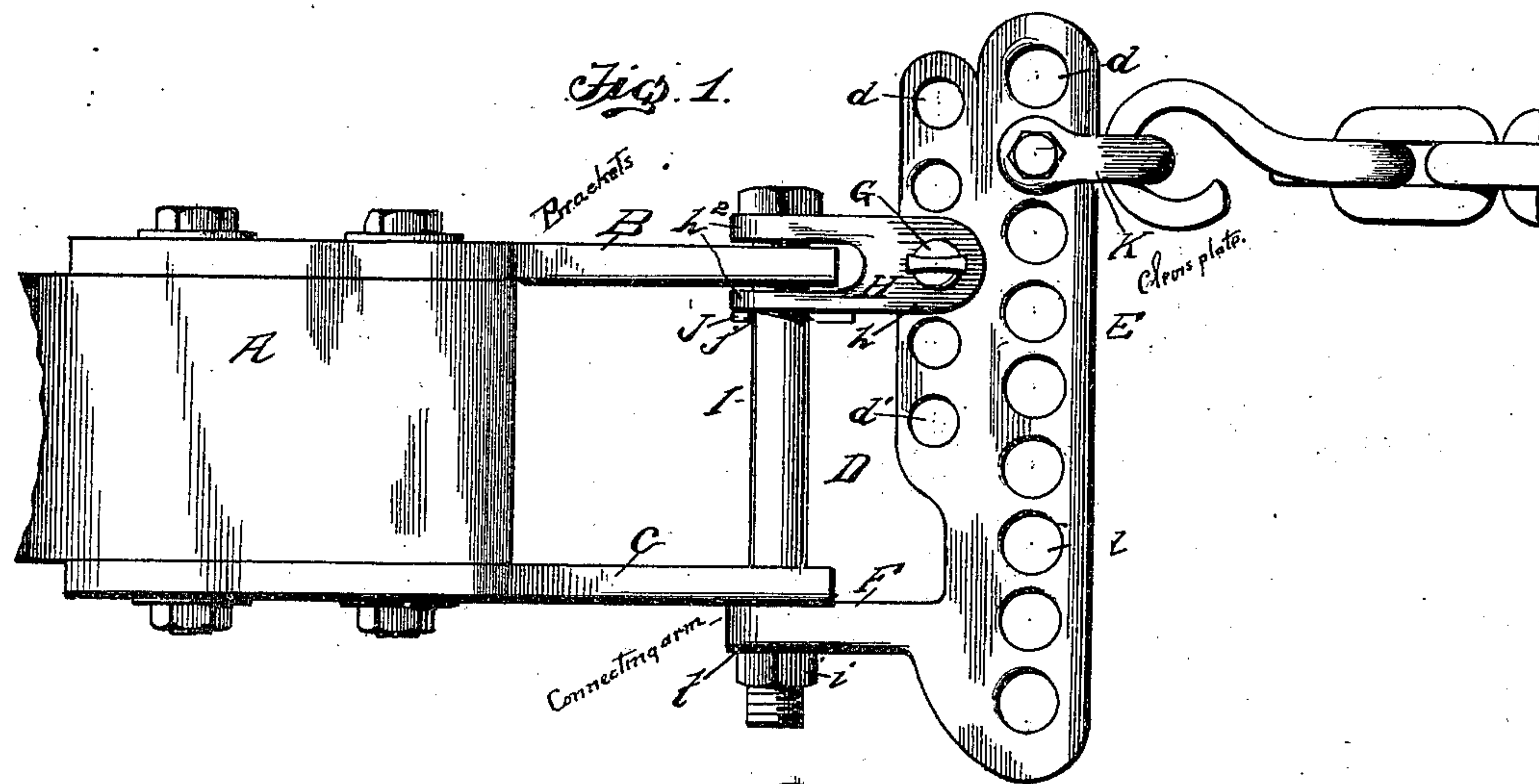
Patented Oct. 8, 1901.

E. KRUML.

CLEVIS.

(Application filed Apr. 24, 1901.)

(No Model.)



Witnesses

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EDWARD KRUML, OF RUSHVILLE, NEBRASKA.

CLEVIS.

SPECIFICATION forming part of Letters Patent No. 683,948, dated October 8, 1901.

Application filed April 24, 1901. Serial No. 57,238. (No model.)

To all whom it may concern:

Be it known that I, EDWARD KRUML, a citizen of the United States, residing at Rushville, in the county of Sheridan and State of Nebraska, 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.

This invention relates to improvements in clevises for plows, cultivators, and the like, and has for its object to provide a clevis of simple, strong, and durable construction composed of a minimum number of parts which will permit of great latitude of adjustment of the draft connections or devices, both vertically and laterally, for obvious and well-known purposes.

A further object of the invention is to produce a generally improved, simplified, and efficient clevis for the purposes stated.

With such and other objects in view the invention is embodied in the novel parts, the arrangement, and combinations of parts hereinafter described, and particularly set forth in the claim.

In the accompanying drawings I have illustrated a clevis embodying my invention and so much of a plow-beam as is necessary for an understanding of the invention and its application; but I desire it understood that the improvements are not to be limited in their useful application to the particular construction which for the sake of an understanding of the invention I have shown therein.

In the drawings, Figure 1 is a plan view showing a portion of the plow-beam and a clevis embodying the invention placed thereon. Fig. 2 is a vertical elevation, and Fig. 3 is a detail of one of the connecting arms or links for the clevis.

Referring to the drawings, A indicates the forward portion of a plow-beam, to which is secured, one on each side, two vertical brackets or bracket-plates B C. These plates are each provided near their forward edge with a vertical series of horizontal openings or perforations c for an attaching bolt or pin for the clevis, hereinafter described.

The clevis is indicated at D, and, as will

be seen from the drawings, is formed of a plate E, having two horizontal series of openings, (indicated, respectively, at d d' .) As will be seen, the plate E is wider at one end or side than at the other and there are fewer openings in the rearmost series d' . Extending from the narrower end of the plate E is a connecting-arm F, having at its rear end an opening, (not shown,) through which the connecting pin or bolt passes in an obvious manner. Connected to the plate E by means of a bolt or pin G is a second connecting-link H. As will be seen, this arm H is bifurcated at one end, thereby providing separated ears or lugs h , adapted to embrace the plate E. The ears or lugs are provided with holes adapted to register with one of the holes of the series d' , and the connecting pin or bolt G passes through these holes in the ears or lugs h and through one of the holes d' . The other end of the link H is bifurcated in a plane at right angles to the plane of the before-mentioned bifurcation, thereby providing two separated lugs or ears h^2 , which are adapted to embrace one of the bracket-plates—for instance, the bracket-plate C, secured to the plow or cultivator beam. The ears or lugs h^2 are also provided with openings h^3 , through which the connecting pin or bolt is adapted to pass.

The connecting pin or bolt for connecting or hinging the clevis to the bracket-plates is indicated at I and, as will be seen, is sufficiently long to pass through the openings in the ears or lugs h^2 , through both bracket-plates C and B, and through the other arm F of the clevis, projecting sufficiently far beyond the latter for the engagement of a nut or other suitable retaining means. If desired, a cotter-pin may be employed in place of the nut. As will be seen in the drawings, I provide a cotter-pin or the like J, passing through an opening j in the bolt I near the innermost ear or lug h^2 of the link H. With this construction a nut or pin at the end of the bolt or pin I is not absolutely necessary, though preferable.

Secured by means of a bolt, pin, or otherwise in one of the holes d in the plate E is a draft-ring or other suitable draft device (indicated at K) for the attachment of the singletree or whiffletree to the clevis.

As will be evident, the clevis can be readily and quickly adjusted to plow-beams of different thickness and can also be quickly and easily adjusted laterally with reference to the
5 bracket-plates by shifting the link H to the desired hole of the series d' . The adjustment of the link H is more particularly for the purpose of securing the arm in the desired position relative to the bracket-plate
10 C, and the lateral adjustment of the draft can be more quickly and easily accomplished by simply moving the draft ring or device K from one to the other of the series of holes d .

Having thus described the invention, what
15 is claimed as new, and desired to be secured by Letters Patent, is—

The combination with separated bracket-plates, of a clevis-plate provided with two series of openings, an arm at or near one end

of said clevis-plate, a link having separated 20 ears or lugs embracing said plate, a bolt or pin passing through holes in said separated lugs and through a hole in one of the series of holes in said clevis-plate, said link having separated ears or lugs adapted to embrace 25 one of said bracket-plates, and a bolt or pin passing through holes in said separated ears, through holes in said bracket-plates and through a hole in the first-mentioned arm, and means for retaining said bolt or pin in 30 position, substantially as described.

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

EDWARD KRUML.

Witnesses:

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