W. H. EDWARDS.

CLEVIS.

No. 183,551. Patented Oct. 24, 1876.

Fig. 1.

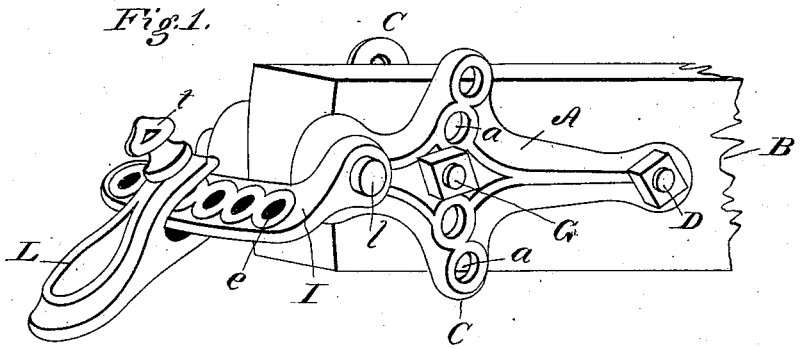


Fig. 2.

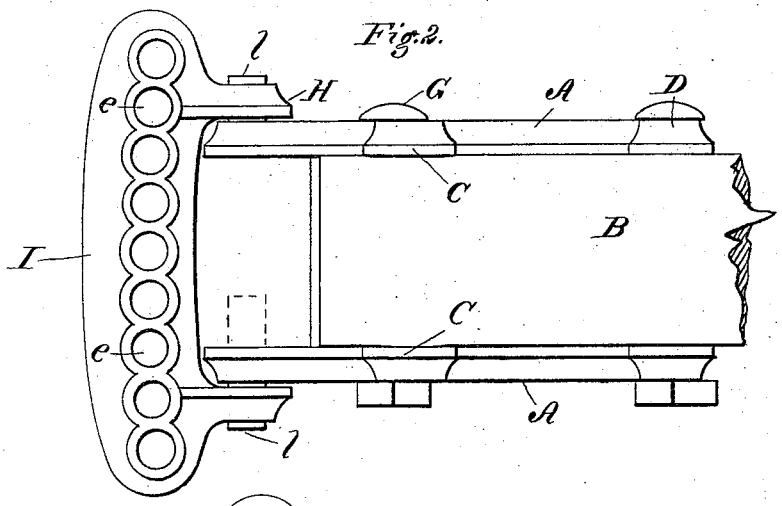
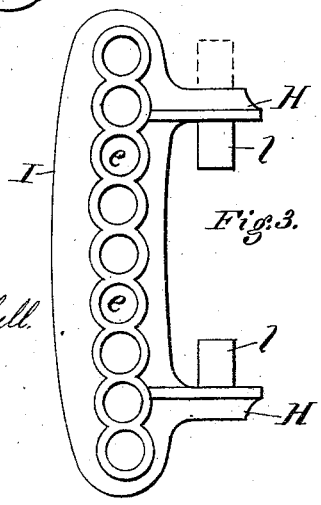


Fig. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM H. EDWARDS, OF MOLINE, ILLINOIS.

IMPROVEMENT IN CLEVISES.

Specification forming part of Letters Patent No. **183,551**, dated October 24, 1876; application filed July 24, 1876.

To all whom it may concern:

Be it known that I, WM. H. EDWARDS, of Moline, in the county of Rock Island and State of Illinois, have invented certain Improvements in Clevis, of which the following is a specification:

My invention consists of a clevis having the front cross-piece connected to the side plates by means of pins or studs cast on one or the other of said parts, as hereinafter more fully described.

Figure 1 is a perspective view, showing the clevis applied to the end of a plow-beam. Fig. 2 is a top-plan view of the same, and Fig. 3 represents a part detached.

To construct a clevis on my plan, I cast two side pieces, A, of the form shown in Fig. 1, there being a hole at their rear ends for the insertion of bolt D, by which they are secured to the vertical sides of the beam B, as represented in Fig. 1. These side pieces are formed with a cross-bar or enlargement, C, near their front ends, which enlargement is provided with a series of holes, *a*, arranged in the arc of a circle, of which the hole for the bolt D is the center. These side pieces A extend a short distance beyond the enlargement C, and are provided with a horizontally-projecting stud or pin, *l*, to receive the hinged cross-bar I, as shown in Figs. 1 and 2. These pins or studs *l* are preferably made on the outside of the plates A; but it is obvious that they may be made on their inner faces, if desired, as shown in dotted lines in Fig. 2; or, instead of that, the pins or studs *l* may be formed on the ears of the cross-bar I, either on the outside or inside, as shown in Fig. 3, in which case the side plates A will be provided with holes to receive the pins *l* on the cross-bar I. It is preferable, however, to make the pins *l* on the outer faces of the plates A, as represented in Fig. 1, for the reason that when so made the clevis can be set farther back on the beam than it could be if the pins were on the inside, or were made on the cross-bar I, and by having the plates A set back, so as to bear on the beam their entire length, or nearly so, there will be less danger of their being broken by side strains, and may therefore be made lighter than they otherwise could be.

The form and construction of the front cross-bar I are fully represented in the drawings, and consists simply of a bar, provided with an ear, H, at each end, having holes to fit on the pins *l*, by which it is pivoted to the side plates A, it being provided also with a series of holes, *e*, extending its whole length for lateral adjustments. Upon this cross-bar I is usually pivoted a small eye or loop, L, as shown in Fig. 1, to which the double-tree or draft appliances are secured in any suitable manner. All the parts are made of malleable cast-iron, and, all the parts being cast complete with the holes and pins, as shown, it is a very simple, cheap, and effective device.

In use, the cross-bar I is first slipped onto the pins *l*, when the plates A are placed against the vertical sides of the plow-beam B, and the bolts D and G inserted, as represented. To raise or lower the draft, the bolt G is withdrawn, and the side plates A are raised or lowered, as may be desired, they turning on the rear bolt D as a pivot, when the bolt G is inserted in the proper holes in arms C. To adjust the draft transversely, so as to throw the plow to or from the land, the loop L, or whatever other device may be used for attaching the team, is shifted from one to another of the holes *e*, as may be desired.

I am aware that clevises have been made of various styles with means for vertical and horizontal adjustments, and I do not claim such, broadly; but

Having described my invention, what I claim is—

A clevis consisting of the side plates A, provided with the arms C, having the series of holes *a* formed therein, and the cross-bar I, provided with the series of holes *e*, said plates and cross-bar being connected by the pins or studs *l* cast thereon, as shown and described.

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