

W. S. WEIR.

PLOW-CLEVIS.

No. 192,608.

Patented July 3, 1877.

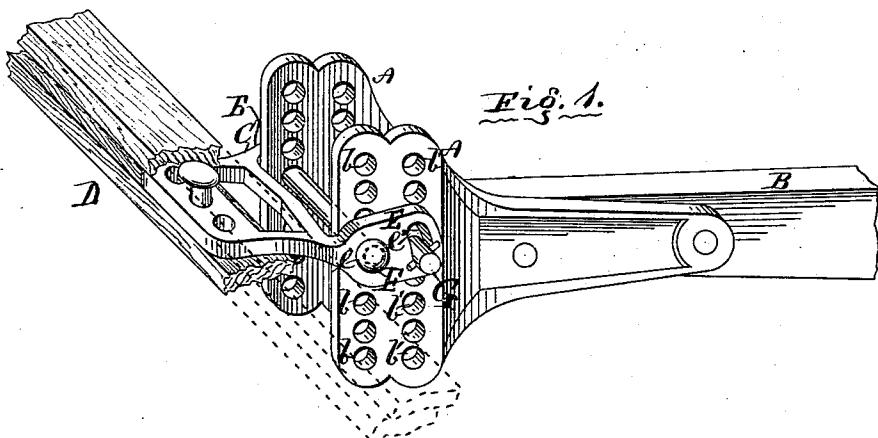


Fig. 1.

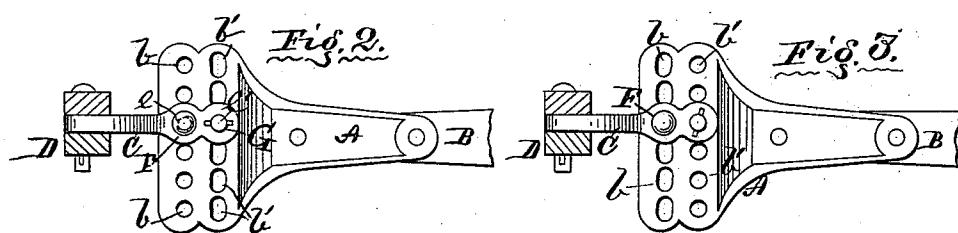


Fig. 2.

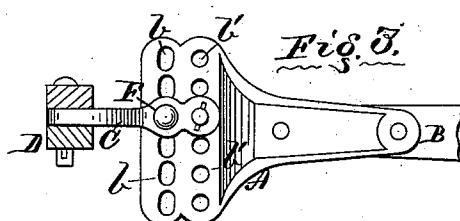


Fig. 3.

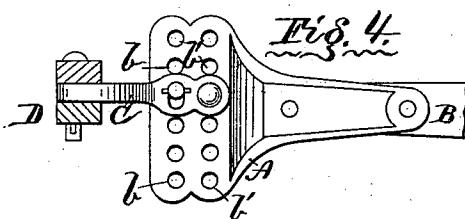


Fig. 4.

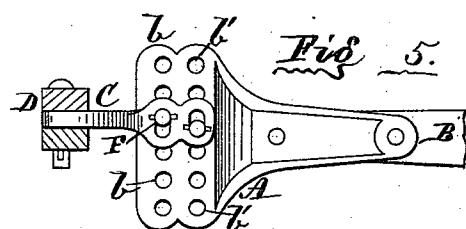


Fig. 5.

Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM S. WEIR, OF MONMOUTH, ILLINOIS.

IMPROVEMENT IN PLOW-CLEVISES.

Specification forming part of Letters Patent No. 192,608, dated July 3, 1877; application filed April 7, 1877.

To all whom it may concern:

Be it known that I, WILLIAM S. WEIR, of Monmouth, in the county of Warren and State of Illinois, have invented certain new and useful Improvements in Plow-Clevises; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in plow-clevises; and the invention consists in the construction and arrangement of parts hereinafter fully described, and set forth in the claims hereto annexed.

In the accompanying drawing, Figure 1 is a perspective view of a construction embodying my invention. Figs. 2, 3, 4, and 5 are modifications.

Referring to the parts by letters, A A represent beam-plates secured to the end of a plow-beam, B, in any ordinary manner, and having their projecting ends pierced each with two parallel vertical series of holes, b b'. C is a clevis-iron, its outer end formed to receive a draft-bar or double-tree, D, as partly shown at Fig. 1, and its rear portion formed into two limbs, E E, which may embrace the beam-plates A, as shown at same figure, or they may be placed interior thereto, if preferred. Each limb E is pierced with two holes, e e', the distance between which corresponds to the distance between the series of holes b and series b' in a beam-plate, A.

The hole e' at Fig. 1 is a segmental or curved slot, with a radius from the center of the hole e. F is a bolt which passes through the hole e and through either of the holes in the series b, as required, to adjust the clevis in a higher or lower position on the beam-plates.

G is a bolt which passes through the hole e' and through that one of the series of holes b' which is immediately in rear of the hole which carries the bolt F. The bolt F is the journal on which the clevis oscillates in a vertical plane, and the hole e' is in such relative position to the hole e as to cause the bolt G to act

as a stop and prevent the clevis descending but little, if any, below a horizontal position, while it, at the same time, allows the clevis to be raised or oscillated upward to a limited extent above said horizontal position.

The holes e e' are such that if the clevis is attached to the upper holes in the series b b', the bolt G would prevent the clevis being thrown over and back upon the beam-plates A, as the extent of oscillation is limited by the length of the segmental slot e', in which said bolt acts.

It will be readily seen that this construction and arrangement of parts will hold the clevis in a horizontal position when the draft is withdrawn from the draft-bars, and thus prevent said draft-bars swinging down when turning at the ends of furrows, or at other places when the draft is slackened.

Modifications of the hereinbefore-described device are shown at Figs. 2, 3, 4, and 5—Fig. 2 showing the rear series of holes b' elongated, Fig. 3 showing the holes b elongated, Fig. 4 showing the hole e elongated, and Fig. 5 showing both holes e e' elongated.

It will be readily seen that either modification (shown at the respective Figs. 2, 3, 4 and 5) will permit of the same results, substantially, as the construction shown at Fig. 1, and are substantially the same thing.

I am aware that adjustable clevises having check pins or bolts to keep the clevis and draft-bar or double-tree in proper position have been used before my invention, and I do not therefore wish to be understood as broadly claiming such as my invention.

What I claim is—

A clevis, C, having limbs E, each limb E pierced with a circular hole, e, and a segmental slot, e', arranged to operate with beam-plates A, having two series of holes, b b', and with journal-bolt F and check-bolt G, substantially as described, and for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WILLIAM S. WEIR.

Witnesses:

W. B. BOYD,
C. O. WILDER.