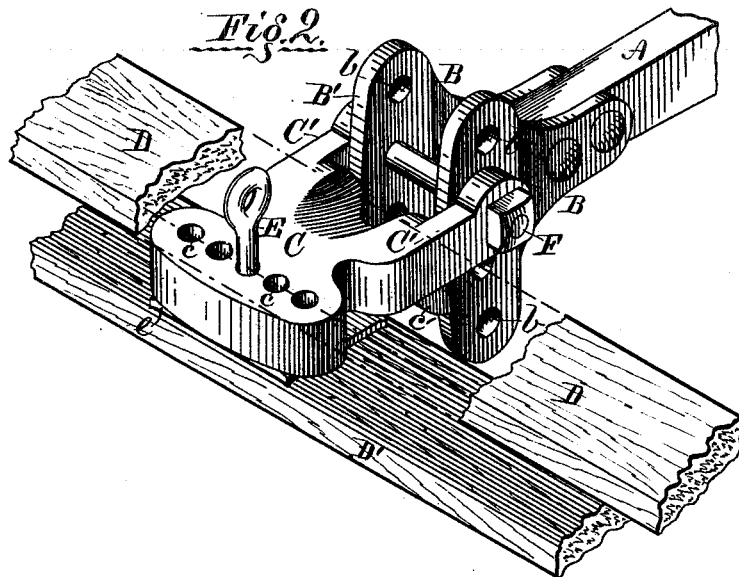
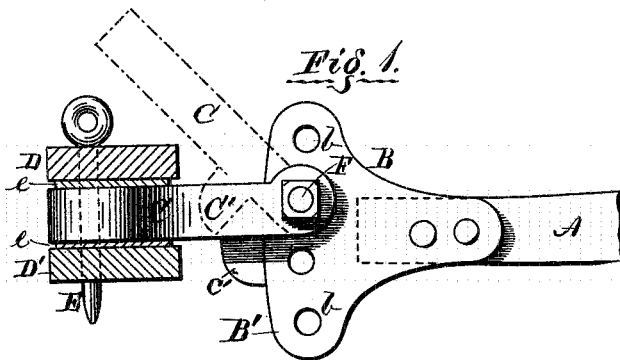


W. S. WEIR.

CLEVIS.

No. 190,653.

Patented May 8, 1877.



Witnesses:

Chas. Truffer
A. R. Richards.

Inventor:

William S. Weir,

By W. B. Richards,
att'y.

UNITED STATES PATENT OFFICE

WILLIAM S. WEIR, OF MONMOUTH, ILLINOIS.

IMPROVEMENT IN CLEVISES.

Specification forming part of Letters Patent No. **190,653**, dated May 8, 1877; application filed January 13, 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 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 letters of reference marked thereon, which form a part of this specification.

Plow-clevises, as usually constructed, serve simply to connect the double-tree or draft-bars to the plow-beam, permitting of certain adjustments, but without any provision for sustaining the double-tree in the same position when the draft is not applied thereto as when it is. My invention has reference to a construction by which the double-tree is held in the same horizontal position when the draft is released or the team is detached therefrom, as when it is drawn upon and held horizontal by the team. The invention consists in a clevis having such construction. The drawings represent such construction.

Figure 1 is a side elevation of the clevis and one end of a plow-beam, and a sectional view of a double-tree; and Fig. 2, a perspective view of the clevis and plow-beam, and a double-tree, partly broken away to show other parts.

Referring to the parts by letters, A represents one end of a plow-beam, with ordinary beam-plates B secured thereto, with the usual enlarged outer ends pierced with holes *b*, and having vertical forward faces *B'*. C is a clevis, its front portion flattened and broadened, and pierced with holes *c*. D D' is a double-tree, shown in the drawings as being formed of an upper bar, D, and lower bar D', between which the flattened forward end of the clevis C is received, and to which it is pivoted by a bolt, E. Washers *e* may be placed between the bars D D' and the clevis C. The rear portion of the clevis C is formed into two arms, C', which are pivoted at their rear ends to the

plates B by a bolt, F, as plainly shown in the drawings.

Each arm C' has a lug, *c'*, projecting from its lower side in such position as to rest against the vertical faces *B'* of the plates B, and hold the clevis C in or near a horizontal position, as shown plainly by the full lines of the drawings, and which permit the clevis to be oscillated in a vertical plane, upward from said horizontal position, as shown by dotted lines at Fig. 1.

The lugs *c'* will hold the clevis C in a horizontal position on the plates B, and the bars D D' rest upon the forward end of the clevis C, so as to hold them, also, from dropping at their forward sides and swinging below the clevis whenever the draft is off. In case of a single-bar double-tree, it may rest, as the bar D, upon the upper side of the clevis C.

The manner of vertical adjustment of the clevis C on the plates B, and the horizontal adjustment of the double-tree D D' on the clevis C, is too evident from the drawings to need farther description.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A clevis, pivoted to beam-plates B, and provided with lugs *c'*, or their equivalents, which impinge against the forward faces of said plates B, and hold the clevis from dropping below a horizontal, or nearly horizontal, position, substantially as described, and for the purpose specified.

2. A clevis, C, having a broad flattened forward end and rear ends, having lugs *c'*, arranged to operate with double-tree D D' and plates B, 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,
ALMON KIDDER.