

E. O. HARVEY.
Clevis.

No. 159,549.

Patented Feb. 9, 1875.

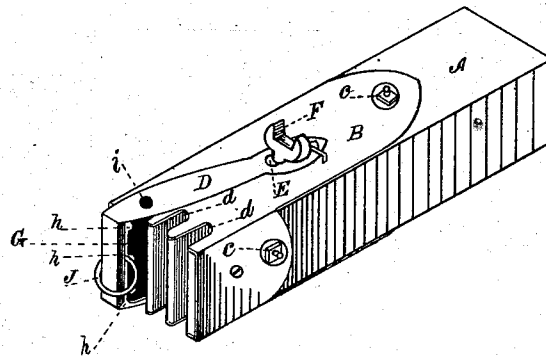


Fig. 1.

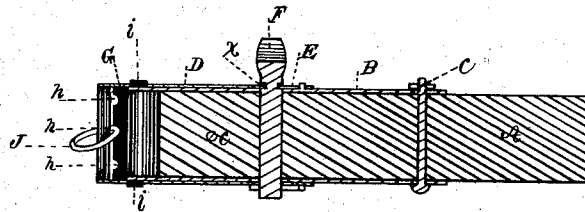


Fig. 2.

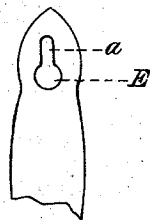


Fig. 3.

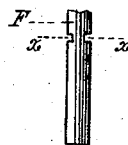


Fig. 4.

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UNITED STATES PATENT OFFICE.

ETHEL O. HARVEY, OF LUBEC, MAINE.

IMPROVEMENT IN CLEVISES.

Specification forming part of Letters Patent No. **159,549**, dated February 9, 1875; application filed January 18, 1875.

To all whom it may concern :

Be it known that I, **ETHEL O. HARVEY**, of Lubec, in the county of Washington and State of Maine, have invented a certain new and useful Improvement in Plow-Clevises, of which the following is a description sufficiently full, clear, and exact, to enable any person skilled in the art or science to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is an isometrical perspective view; Fig. 2, a vertical longitudinal section; Fig. 3, a sectional view of the clevis, and Fig. 4 a sectional view of the draw-bolt.

Like letters of reference indicate corresponding parts in the different figures of the drawing.

My invention relates to means for controlling the clevis and rendering the same adjustable on the beam; and consists in a novel construction and arrangement of the parts, as hereinafter more fully set forth and claimed, by which a cheaper, simpler, and more effective device of this description is produced than is now in ordinary use.

In the drawing, **A** represents a section of the plow-beam, which is provided with the metallic tip or end casing **B**, secured thereto by the nuts and bolts **c c**. The clevis **D** is provided with the hole **E**, for the draw-bolt **F**, and opening from one side of this hole there is a narrow elongated slot, **a**, less in diameter than the hole, and extending toward the rear end of the clevis, as shown. Disposed in the forward end of the clevis is the vertical stay-bolt **G**, provided upon one of its sides with the notches **h h h**, for supporting the ring **J**. The bolt **G** is oval in cross-section, and is pivoted or journaled in the clevis at **i i**. The beam **A** is constructed with a series of notches or vertical apertures, **d d**, in its forward end,

into which the bolt **G** fits when the clevis is in use. The draw-bolt **F** is also provided, upon two of its sides, with indentations or notches **x x**, into which the sides of the slot **a** pass when the bolt is properly turned for that purpose, and the clevis drawn forward to its fullest extent.

From the foregoing, it will be obvious to all conversant with such matters, that the draft of the plow may be readily changed by turning the bolt **F** until the notches **x x**, in its sides, are in parallelism with the sides of the slot **a** in the clevis, when the clevis may be partially withdrawn, carrying the bolt **G** with it, the bolt **F** passing, by means of the notches **x x**, into the slot **a**. In this position the clevis may be swung to the right or left, bringing the bolt **G** opposite either of the notches **d d**, as desired, when, by retracting the clevis and turning the bolt **F** until the slots **x x** are at right angles with the slot **a**, the clevis will be secured in position for use.

When the clevis is withdrawn, as described, if it is desired to change the ring or link **J** to a higher or lower position, it is only necessary to turn the bolt **G** on the pivots **i i** sufficiently to permit the ring to escape from the notch **h**, in which it may at the time be disposed, as will be readily understood without a more explicit description.

Having thus described my invention, what I claim is—

The clevis **D**, provided with the hole **E**, slot **a**, and pivoted oval notched bolt **G**, in combination with the bolt **F**, provided with the slots **x x**, constructed and arranged to operate in combination with the beam **A**, provided with the apertures **d d**, substantially as and for the purpose specified.

ETHEL O. HARVEY. [L. S.]

Witnesses:

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