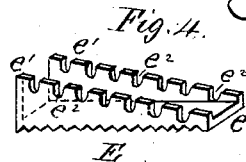
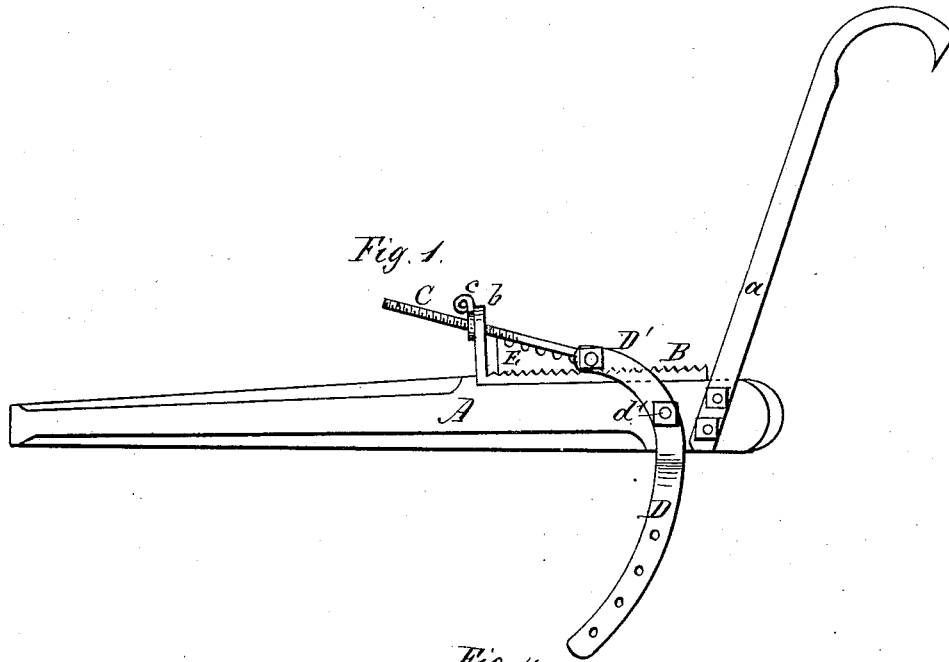
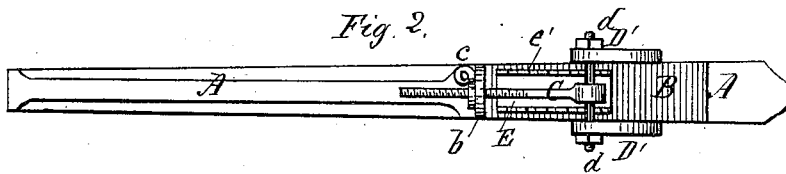
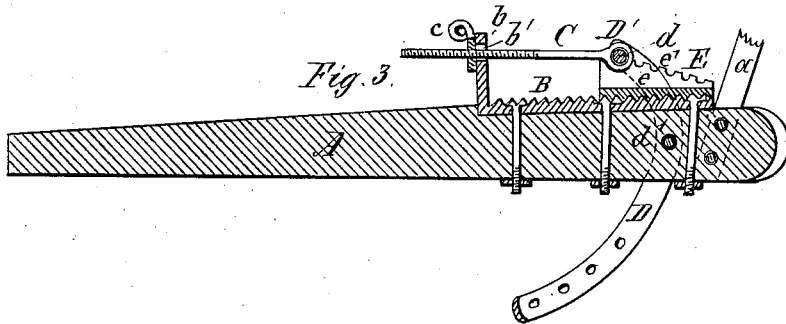


J. K. KIRKSEY.
Adjustable Plow-Stock.

No. 207,530.

Patented Aug. 27, 1878.



Witnesses
Alf. Leonard
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att'y.

UNITED STATES PATENT OFFICE.

JAMES K. KIRKSEY, OF PICKENS COUNTY, SOUTH CAROLINA.

IMPROVEMENT IN ADJUSTABLE PLOW-STOCKS.

Specification forming part of Letters Patent No. 207,530, dated August 27, 1878; application filed August 3, 1878.

To all whom it may concern:

Be it known that I, JAMES K. KIRKSEY, of the county of Pickens and State of South Carolina, have invented new and useful Improvements in Adjustable Plow-Stocks, of which the following is a specification:

My invention consists in the peculiar means employed for adjusting the plow stock or foot, as fully described hereinafter, and shown in the accompanying drawings, in which—

Figure 1 represents in side elevation, Fig. 2 in a plan view, and Fig. 3 in a longitudinal vertical section, so much of a plow as is necessary to illustrate my invention; and Fig. 4 is a perspective view of the wedge or shoe E.

In the above figures of the drawings similar letters of reference are employed to indicate corresponding parts wherever such may occur.

A represents the plow-beam, provided with the handles *a*, both of any usual or preferred construction. B represents a bearing-plate, the upper face of which is serrated transversely. Said plate is bolted or otherwise secured to the beam A at or near its rear end. The bearing-plate B is provided at its forward end with a vertical projection or standard, *b*, through an enlarged aperture or vertical slot, *b'*, of which passes the screw-threaded end of a brace-rod, C, the rear end of which forms a bearing, and is loosely mounted upon a brace-shaft, *d*, between the arms D' D' of the plow-foot D. This plow-foot is preferably U-shaped, the outer ends of the arms D' being curved forward, the body of the stock having the usual or any desired curve.

Instead of forming the plow-stock as described, I may, under some circumstances, construct it in the usual manner, and provide said plow-stock at its upper end with a forwardly curved and forked bearing.

The plow-foot D is pivoted to the plow-beam at *d'*, while the curved upper ends of the stock are connected together by means of the brace-shaft *d* and suitable locking-nuts.

E represents a wedge or shoe, composed of the base *e*, which is provided with transverse serrations corresponding with the serrations of the bearing-plate B, and the inclined sides *e'*, each of which is provided with a series of notches or recesses, *e''*, for the reception of the brace-shaft *d*.

The adjustment of the stock is effected as

follows: Supposing the parts to be in the position shown by Fig. 1, and it is desired to give to the plow foot or stock a greater forward inclination, the brace-rod C, locked to the standard *b* of the bearing-plate B by means of the tightening-nut *c*, is first released, the nut being unscrewed sufficiently to permit of the plow-foot being swung forward upon its pivot *d'* until it (the plow-foot) has the desired forward inclination. The forward motion of the foot retracts the curved ends thereof from the wedge or shoe E, which may now be raised and pushed under the brace-shaft, so that the latter will lie in two opposite recesses, *e''*, when the brace-rod C is again locked to the standard *b* by means of the nut *c*. The forward pressure of the shaft *d* upon the wedge, caused by the tightening of the rod C by means of the nut *c*, locks the wedge or shoe securely to the bearing-plate, to prevent any further forward motion of the curved ends of the plow-foot, while the brace-rod C braces the foot and prevents any backward motion of said curved arms D' of the plow-foot D, while the serrations upon the upper and under faces, respectively, of the bearing-plate and wedge or shoe will secure the latter against any accidental slipping upon said bearing-plate from any cause.

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

1. The combination, with the plow-beam and the curved arms D' of the plow-stock, of the shaft *d*, rod C, nut *c*, bearing-plate B, and wedge or shoe E, substantially as and for the purpose specified.

2. The combination of the bearing-plate B, having its upper face serrated, and the wedge or shoe E, having its under face serrated and its sides provided with a series of recesses, of the shaft *d*, brace-rod C, nut *c*, the curved arms D' of the pivoted plow-stock D, and the plow-beam A, all constructed and operating substantially as shown and described.

In witness that I claim the foregoing I have hereunto set my hand and seal this 1st day of August, 1878.

JAMES K. KIRKSEY. [L. S.]

Witnesses:

JOAB MAULDIN,
WHITNER SYMMES.