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 e, 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 e, 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.