J. Z. KENDRICK.

SHOVEL PLOW.

APPLICATION FILED JULY 17, 1912.

1,134,462. Patented Apr. 6, 1915.

Fig. 1

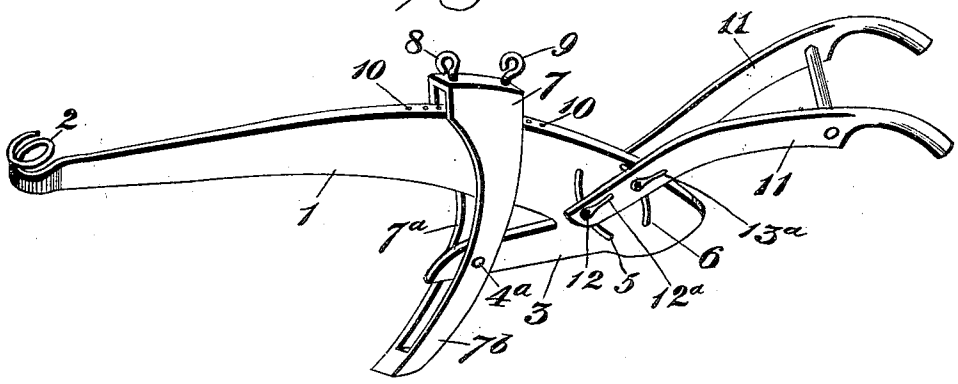
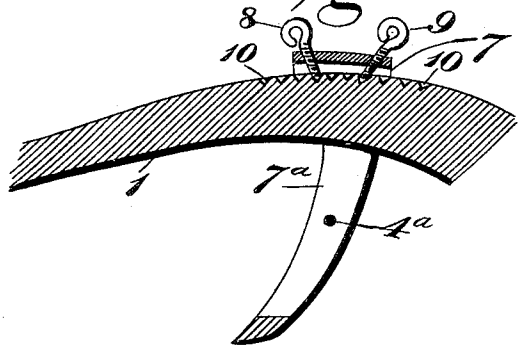


Fig. 2



Witnesses
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JAMES Z. KENDRICK, OF STATESBORO, GEORGIA.

SHOVEL-PLOW.

1,134,462. Specification of Letters Patent. Patented Apr. 6, 1915.

Application filed July 17, 1912. Serial No. 710,016.

To all whom it may concern:

Be it known that I, JAMES Z. KENDRICK, a citizen of the United States, residing at Statesboro, in the county of Bulloch and State of Georgia, have invented certain new and useful Improvements in Shovel-Plows, of which the following is a specification.

My invention relates to shovel plows: and my object is to provide a plow which will be simple and cheap in construction, with a stock which is adjustable to hold the plow at different angles, to cause it to plow deeper or shallower as the needs of the case may require, together with means for holding the stock very securely in its adjusted position.

Another object is to provide novel means for adjusting the handles up and down, and for securely holding them on the beam in their adjusted positions.

A still further object is to provide means whereby the swingletree used with the plow can be easily attached thereto, but can never become accidentally disengaged therefrom.

The invention consists in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

Referring to the drawings herewith, Figure 1, is a perspective view of my improved plow. Fig. 2 is a broken section showing the means of securely holding the stock in adjusted position on the beam.

The numeral 1, indicates the beam of the plow, which is formed preferably of a single piece of flat iron, and terminates at its forward end in an integral spiral 2, having its coils substantially horizontally disposed. At the rear end of the beam on the under side thereof is the integral forwardly extending brace 3, provided in its forward end with the bore 4.

The stock 7 of the plow is formed of two parallel parts 7^a and 7^b, rigidly connected together at their tops and bottoms, as shown in Fig. 1. The sides 7^a and 7^b are spaced from each other sufficiently to permit the beam 1 and the forward end of the brace 3 to snugly pass between them; and the stock is pivoted on the plow by means of the pivot 4^a, in the forward end of the brace 3.

The stock 7 is made broader at its upper end to receive the two set screws 8 and 9, which are adapted to enter the shallow recesses 10 in the top of the beam to cause said set screws to more firmly engage the beam. It will be noticed particularly in Fig. 2 that these set screws are inclined toward each other, so that one pulls, as it were, in a measure, against the other; from which it follows that so long as either one of them is screwed in tight, there will be sufficient strain imposed on the other to keep it from easily working loose. This arrangement also causes the strain imposed on the stock 7 to be delivered in a partially endwise direction on one or the other of the screws 8 or 9, according to the direction of the strain, whether forwardly or rearwardly, and thereby gives the set screws greater power of resistance without bending, than if the strain was on one screw only in a true lateral direction. Moreover if the strain should be so great as to compel one of the set screws to bend, that would simply give the point of the screw a tendency to dig in deeper, as it were, into the plow beam and take a more firm hold thereon.

The notches or bores 10 in the beam, are so spaced from each other that when either one of the set screws 8 or 9 is in registration with a bore, the other one will also be in registration with a bore.

It will be noticed that the brace 3 extends forwardly at an angle only slightly inclined to the horizontal, so that the working strain imposed upon it is rather in a longitudinal direction than in a lateral direction.

When the swingletree has been secured to the spiral 2, at the front end of the beam, it will be readily seen that it can never be accidentally removed therefrom, since the coils of the spiral are substantially horizontally disposed, with the spiral opening upwardly.

Having thus described my invention, what I claim is;—

The combination with the beam of a plow having shallow recesses on its top, of a stock pivoted between its ends to rock upon the beam; and a plurality of set screws at the upper end of the stock, adapted to engage the recesses in the beam to hold the stock in adjusted position relatively thereto, said set screws being inclined relatively to each

other and to the beam, whereby to pull against each other to simultaneously brace the stock, one against a forward movement and the other against a backward movement, and to hold either of said screws against working loose so long as the other is tight against its bearing.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES Z. KENDRICK.

Witnesses:
W. N. FLETCHER,
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."