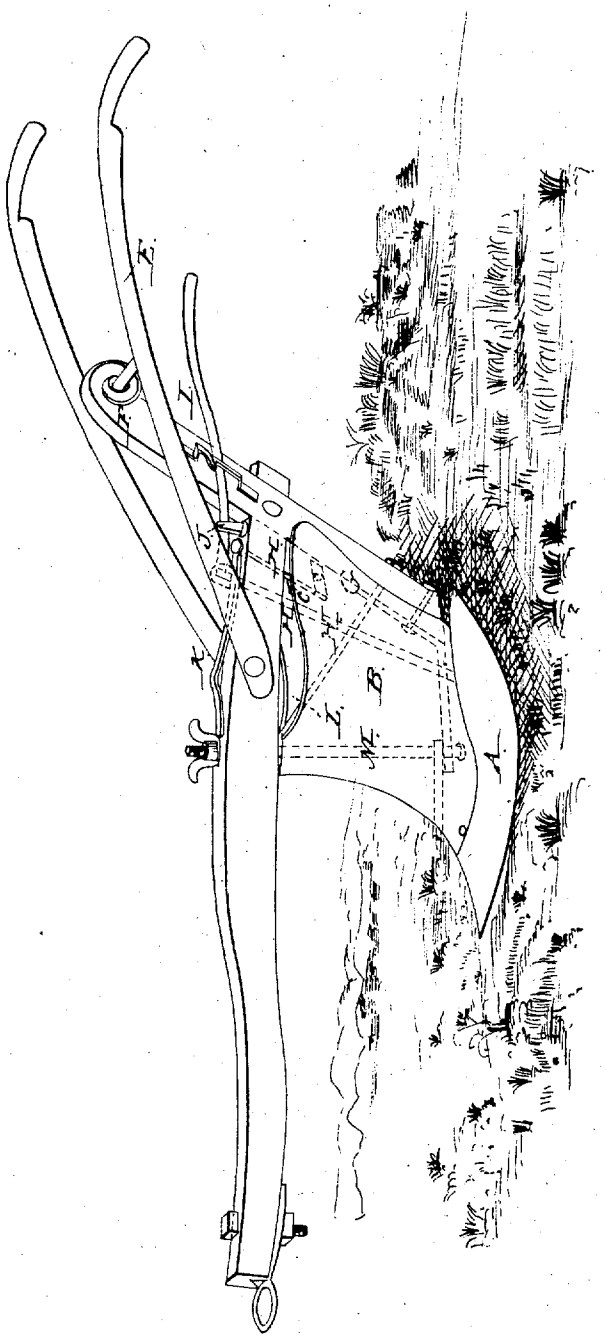
6596X

C. H. McCORMICK.

Side-Hill Plow.

Patented June 13. 1831



June 13, 1851 6596X

Cyrus H. McCormick
Letters Patent

The Schedule referred to in these Letters Patent and making part of the same containing a description of the mode of the said Cyrus H. McCormick himself of his improvement in the Hill side Plough

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Be it known that I Cyrus H. McCormick of Rockbridge County State of Virginia have made an improvement in the Hill side Plough which is described as follows. This plough consists of the following parts 1st The share 2d the mould board with its brace 3d the beam, handles, & standard or handle support. 4th The lower brace bar. 5 the locking rod or lever 6th The fulcrum & spring. 7th the brace rod. 8th the point and screw. 1st The share The share is made double of iron & steel with a point at each end and a double wing on the same Each end of the share at the distance of the point of the mould board is a pin against which the mould board locks and is kept in its place. At a proper distance from the points of the share are two holes one at each end to receive the rod to be hereafter described. 2d The Mould board with its brace. The mould board is made double with a brace extending between the facings & supporting them. Thro' which brace are two holes one near each end to receive a pin or locking rod to be hereafter described. Near the front and point thro' the mould board is a hole thro' which a pin or rod is to pass to be also hereafter described. 3d The beam handles & standard or handle support. The beam & handles are made in the usual form & of a suitable size and strength, & are made thro' the beam to receive the point rod. The standard or handle support is made of any convenient size & is placed at the end of the beam and has a hole mortised in it to receive the end of the beam, & a mortise thro' which a brace passes to support the handles. At the beam end & at its fore the lower brace bar is to be next described. 4th The Lower brace bar This is made of iron and extends from the beam end to handle support, to about the middle of the share and has an eye

opening in it to let the pivot rod pass thro' & is made fast to the standard or hinder supporter. There is also another hole near the middle of the bar thro' which the Locking rod passes into the share. 5th The Locking rod & Lever. The long locking rod passes down thro' the beam thro' the lower brace bar into the share having a shoulder on the upper side of the bar to prevent it going too far, and another shoulder or projection even with the upper side of the beam; to be operated on by a spring to be hereafter described. The rod explained thro' an opening made in the spring and has a hook or lever at the upper end to attach it to the lever. Another locking rod is riveted to the spring & passes thro' the beam and the holes made near each end of the brace bar of the mould board. The lever is made of any convenient length & moves on a fulcrum placed beside the spring & is attached to the first mentioned locking rod. There is a pin or projection on the standard or hinder supporter to hold it to its place whilst turning the plough. 6th The fulcrum & spring. A piece of iron forming the fulcrum is fastened to the beam and rising two or three inches above the spring, on the top of which is placed the lever. The spring is made of iron or steel and is fastened to the beam. At proper distances, openings are made to let the pivot rod and long locking rod pass. The other locking rod as mentioned before is riveted to this spring. 7th The brace rod passes thro' the standard or hinder supporter to the beam near where it is connected with the mould board. There is a hole thro' one end of this rod. thro' which the pivot rod passes. the other end passes thro' the standard or hinder supporter & lower brace bar & is fastened with a screw. 8th The pivot rod & screw. The pivot rod is made of iron & passes thro' the share, the lower brace bar, mould board, beam & spring & is fastened with a nut on the top. Operation. When it is required to turn the furrow all one way. the first furrow being run the lever is pressed down and fastened by the pin on the side of the standard or hinder supporter, by which the long locking rod draws out of the share; the upper shoulder of which and raises the spring and consequently draws the other locking rod out of the mould

Lever

board brace: all being now done, the plough is turned, the share remaining stationary and the mould board turned like upon the foot on the share. & which produces the requisite change in the plough so as to throw the next furrow the same with the first. Then disengaging the bar, the spring operates on both the locking rods to fasten both the mould board & share together and the ploughing is recommenced. This plough can also be used as a common plough. What I claim as my invention is the combination arrangement of the different parts of the above described plough so as to effect the turning and securing the mould board, and other parts of the plough to the share but particularly in making the mould board to turn whilst the share remains stationary and afterwards locking it to the share, together with an improvement in the construction of the share

Witnesses
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