(No Model.)

G. W. SWINSON.

PLOW.

No. 480,637. Patented Aug. 9, 1892.

FIG. 1.

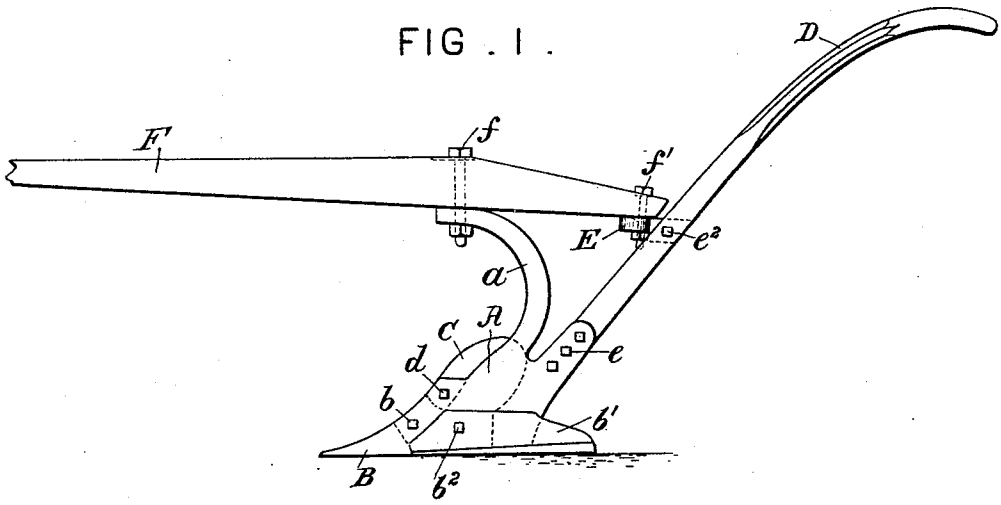


FIG. 2

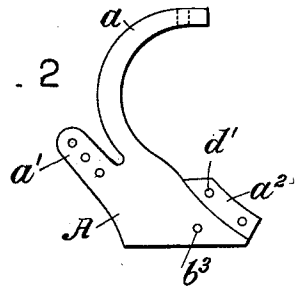


FIG. 3.

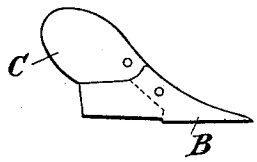
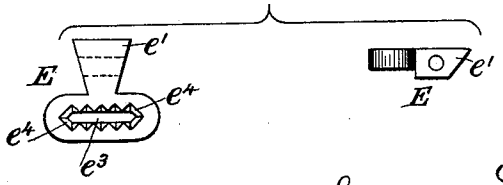


FIG. 4.



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UNITED STATES PATENT OFFICE.

GEORGE W. SWINSON, OF MAGNOLIA, NORTH CAROLINA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 480,637, dated August 9, 1892.

Application filed December 17, 1891. Serial No. 415,401. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. SWINSON, a citizen of the United States, residing at Magnolia, in the county of Duplin and State of North Carolina, have invented certain new and useful Improvements in Plows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to a new and improved plow; and it has for its object the production of a cheap and simple plow the parts of which can be readily and easily secured together or disconnected and the plow-beam of which can be adjusted and held rigid at any desired point.

The invention comprises the detail construction, combination, and arrangement of parts, substantially as hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in side elevation of my improved plow. Fig. 2 is a view of the plow-standard detached. Fig. 3 is a view showing the mold-board and plow-point. Fig. 4 shows in plan and side views the plate to which the rear end of the plow-beam is connected.

Referring to the drawings, A designates the plow-standard; a, an upwardly and forwardly curved arm projecting therefrom; a', a short arm or projection at the upper rear end, and a^2 a forward web or flange wherein, as also in the main portion of the standard and the arm a', are formed bolt holes or apertures.

B is the plow-point, which is rigidly held to the standard by a single nutted bolt b, passed through one of the holes in web a^2, and b' is the shoe or landside, of ordinary construction, rigidly held in place by a single nutted bolt b^2, passed therethrough and through one of the holes b^3 of the standard.

C is the mold-board, the lower forward edge of which is made to conform to the adjacent edge of the plow-point, and said mold-board is rigidly secured by a single nutted bolt d, projected through the upper hole d' in the web a^2 of the standard. This mold-board is so curved or concaved from about the point of its bolt-hole to its upper rear edge that the dirt plowed will be turned completely over, no matter how rough the land may be.

D designates the plow-handles, which converge toward their lower ends. These latter ends are rigidly secured to the rear short arm a' of standard A by nutted bolts e, passed through them and the holes in said arm. Between these handles is secured a plate E, the rearward-projecting dovetail portion e' of which has a transverse bolt hole or opening for reception of a nutted bolt e^2, also passed through holes in the plow-handles. In this plate E is a slot e^3, and in its upper surface are grooves or cut-outs e^4. The plow-beam F is pivoted by a bolt f on the upper end of the forward arm a of standard A, and through its rear end is passed a nutted bolt f', also projected through slot e^3 of plate E. By tightening the nut on this bolt the end of the plow-beam will be held locked in any one of the series of grooves or cut-outs e^4. The plow-beam can be moved on its pivot to give the same the desired angle, and it can be then held in the position to which adjusted by tightening its holding-bolt.

From the foregoing description it will be seen that I have produced a plow the parts of which can be readily and easily secured together and firmly held in place and that any one part can be renewed or replaced when necessary without removing any of the other parts, and it will also be seen that the plow-beam can be readily adjusted and rigidly held in position.

I claim as my invention—

1. The herein-described improvement in plows, comprising the standard having the beam pivoted to the upper end of its forward arm, the handles connected to a short arm of said standard, and the plate having a rear dovetail portion received between the handles and having a transverse hole therethrough to receive the securing-bolt from the handles, said plate also having a slot in its front portion, the upper edges of which are provided with series of grooves or cut-outs adapted to engage an adjusting-bolt passing through the rear end of the beam and said slot, substantially as set forth.

2. The herein-described improved plow, consisting of the standard having a forwardly-

curved arm and a rear short arm, the handles having their lower converged ends secured to said short arm, the plate held between said handles having a slot and grooves or cut-outs in its upper face, the beam pivoted on said forward curved arm, the nutted bolt passed through the rear end of said beam and also through said slotted plate, the plow-point, the landside, and the mold-board, each secured by a single nutted bolt passed through holes or apertures in said plow-standard, substantially as set forth.

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

GEORGE W. SWINSON.

Witnesses:

I. D. STANFORD,

A. D. WARD.