

T. CANTY.

Plows.

No. 158,026.

Patented Dec. 22, 1874.

Fig. 1.

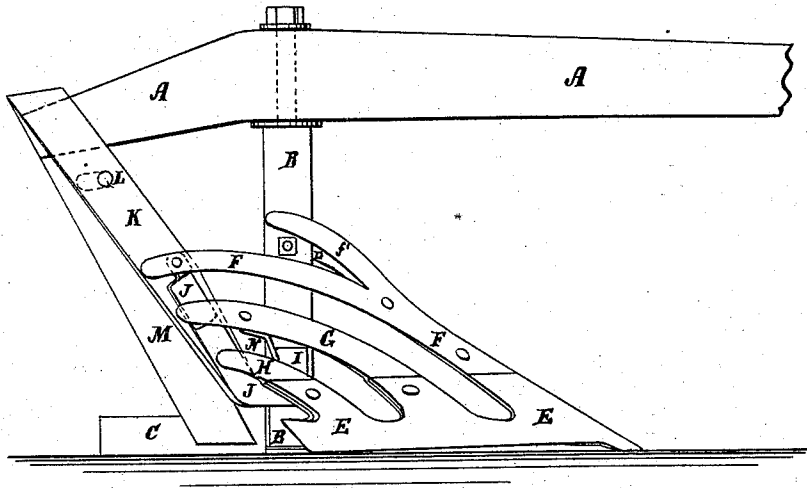


Fig. 2.

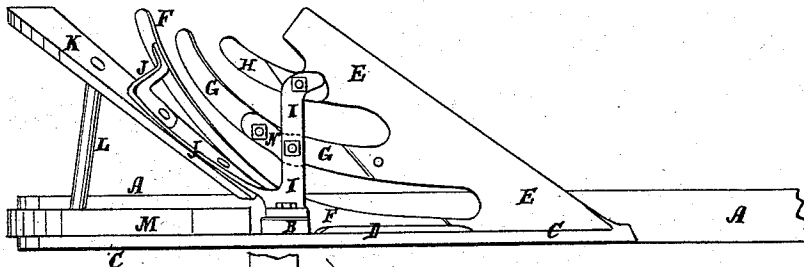
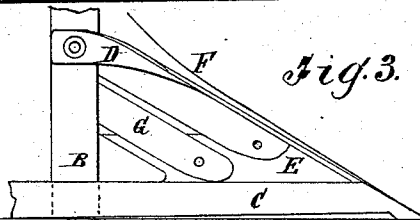


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

THOMAS CANTY, OF KAUFMAN, TEXAS.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **158,026**, dated December 22, 1874; application filed August 10, 1874.

To all whom it may concern:

Be it known that I, THOMAS CANTY, of Kaufman, in the county of Kaufman and State of Texas, have invented a new and useful Improvement in Skeleton Tillage-Plow, of which the following is a specification:

Figures 1 and 2 are opposite side views, and Fig. 3 a bottom-plan view, of the plow.

The invention relates to the construction and arrangement of the land-side, share, mold-board, and brace, as hereinafter described.

The handle M and vertical standard B are bolted to the land-side C, and secured to the beam A in the usual manner. The share E and bar D are welded to the forward end of the land-side C, and said bar extends backward and upward to support the part F of the mold-board, and is bolted to the standard B. Several deep notches or open slots are cut in the upper edge of the share E, and to tongues or projecting parts thus formed the curved parallel and flat strips or plates F G H are attached by bolts or rivets. Thus said plates form continuations of the share E, over which the soil glides with a minimum amount of friction.

The result is practically the same, in respect to a smooth and flat continuous surface, as if the share and mold-board were cast solid together, while the weight of the parts and their cost are greatly reduced.

The means of supporting the rear ends of the strips F G H is a brace having arms I, N, and J. The T-shaped head of the same is bolted to the standard B, and the arm J to the lower end of the handle K. The latter is thus supported or held in position by such arm J and the round L, which connects it with the

other handle, M. The arm I extends laterally to meet the strip H, to which its end is bolted. The bent arm N extends up from the arm I, to support the strip G. Thus all the mold-board strips are supported and held rigidly in position, so as to resist the lateral and downward pressure to which they are subject in the process of plowing.

The combination is such as to form a plow capable of being economically manufactured, and having a very light draft, yet strong and durable, and efficient in operation as the ordinary plow with solid mold-board. It has advantage over other skeleton mold-board plows in several particulars, among others this, that the share and mold-board divide and pass under and turn or "lay" the soil with less friction.

While not, therefore, claiming a plow having a skeleton mold-board,

I do claim—

1. The share E, having the continuous cutting-edge and notched upper edge, the flat mold-board strips F G H, and branched T-headed brace I J N, combined and arranged as shown and described, for the purpose specified.

2. The land-side C, share E, and brace D, welded together, as shown and described.

3. The brace D, welded to the land-side C, bolted to the standard B, and arranged to support the strip F of the mold-board, as set forth.

THOMAS CANTY.

Witnesses:

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