T. M. BROUS.

Plow.

No. 166,586. Patented Aug. 10, 1875.

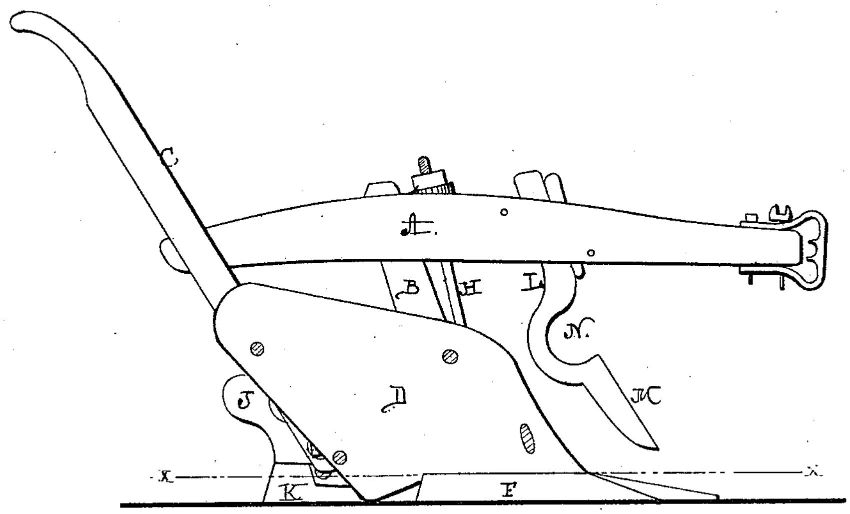

Fig. 1; Side Elevation.

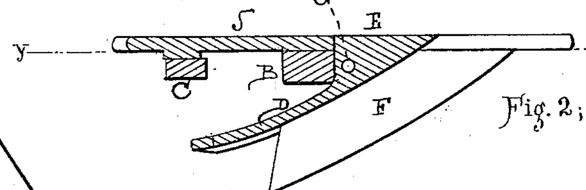

Fig. 2; Section on xx.

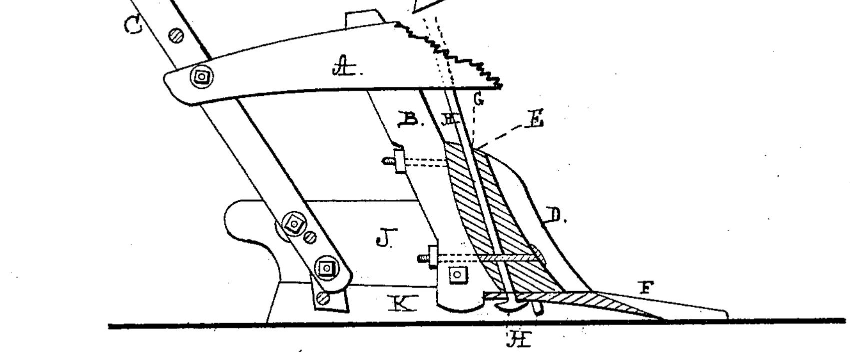

Fig. 3; Partial section on yy.

Witnesses

Inventor

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IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **166,586**, dated August 10, 1875; application filed November 13, 1872.

To all whom it may concern:

Be it known that I, T. MILES BROUS, of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Plows; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand, make, and use the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a side elevation of a plow embodying my invention. Fig. 2 is a horizontal section in line *y y*, Fig. 1. Fig. 3 is a side elevation, (opposite to that shown in Fig. 1,) partly sectional.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists of a plow formed with a solid back, which extends from top to bottom of the board, in combination with a fastening-rod passed through the back, a plate on the land-side fitted to the back, and the standard bolted to the same solid back.

Referring to the drawings, A represents the beam; B, the standard, and C the handles. D represents the mold-board, which has a solid back, E, which comes against the standard B, and F represents the share, which extends forward and laterally from the lower portion of the mold-board D. An opening, G, is made in the solid back E of the board D, and through this opening passes a bolt, H, the ends of which are secured, respectively, to the share F and the beam A. A plate, J, is arranged above the land-side K, and comes against the solid back of the mold-board at the portion on the side corresponding to the land-side, and forms a continuation of said portion, (see Fig. 2,) said plate being secured by bolts to the standard B and one of the handles C. L represents the cutter, which may be secured to the beam A in any well-known manner. The cutter consists of a straight-edged lower portion, M, and a backwardly-curved portion, N, which is near the upper end of the cutter. The plate J makes a continuous smooth surface for the land-side, and serves to balance the plow. The portion of the bolt H, from the top of the board to the share, is completely embedded in the solid back E of the board, and, being set back from the surface of the mold-board, it does not collect obstructions below the top of the mold-board, and thus aids in the light draft of the plow, and, not being exposed, is protected against wear. The portion M of the cutter has its edge set back, so that grass and manure will easily slip up the edge of the cutter until they reach the curved portion or crook N of the said cutter; then, having no longer any bearing, they are caught by the furrow and turned under.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The mold-board D, formed with a solid back, E, extending from top to bottom of the board, in combination with the fastening-rod H, passed through the back E, the plate J, fitted to said back, and the standard B, bolted to the same solid back E, all as herein set forth.

T. MILES BROUS.

Witnesses:

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