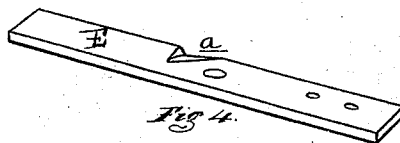
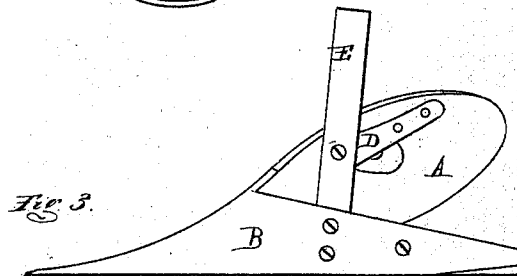
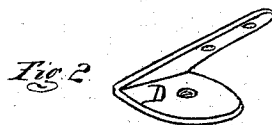
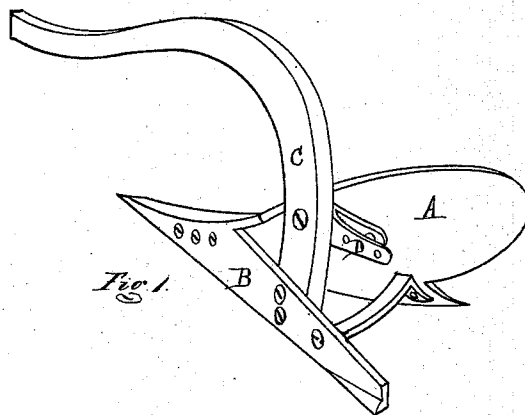


J. L. LAUGHLIN.

Plows.

No. 144,462.

Patented Nov. 11, 1873.



ATTEST:
H. Sprague
Theo. S. Day

INVENTOR:
J. L. Laughlin
per Attorney-
Wm. S. Sprague

UNITED STATES PATENT OFFICE.

JOHN L. LAUGHLIN, OF PERU, ILLINOIS.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **144,462**, dated November 11, 1873; application filed August 11, 1873.

To all whom it may concern:

Be it known that I, JOHN L. LAUGHLIN, of Peru, in the county of La Salle and State of Illinois, have invented an Improvement in Plows, of which the following is a specification:

This invention relates to an improvement in wood and iron beam plows, and has for its object to secure the handle above the land-side, thereby preventing the clogging of the plow with stubble and trash; also, to afford a firm and substantial means of securing the mold-board, land-side, beam, and handles together without using the cumbersome blocks of cast-iron heretofore employed, making the plow lighter and cheaper, as well as free from liability to clog. This invention is more especially designed as an improvement upon the plow for which Letters Patent, No. 115,069, were issued to me on May 23, 1871.

Figure 1 is a perspective view of my improved iron-beam plow, looking at it from the rear. Fig. 2 is a detached perspective view of the angular tie-block for securing together the beam, mold-board, and land-handle. Fig. 3 is a side elevation of the plow, the iron beam being replaced by a beam-standard for a wooden beam. Fig. 4 is a perspective view of the mold-board side of said standard.

In the drawing, A represents the mold-board, and B the land-side, of a plow. To the latter is bolted the lower end of the iron-beam C. D

is an angular tie-block, whose point is inserted between the beam and mold-board, both of which are bolted thereto. The land-handle extends along the flat side of said tie-block, abutting against the rear end of the beam, and is secured by two bolts passing through the side of the tie-block.

Where the plow is to be fitted with a wooden beam, a standard, E, has its lower end bolted to the inner face of the land-side, its middle lying against the flat side of the tie-block, and is bolted thereto. The front corner of said standard is notched at *a* to receive the upper edge of the mold-board, and the land-handle is bolted to the tie-block as in the iron-beam plow.

This construction of the plow insures it great strength and rigidity, while it lightens the weight and cheapens the cost. The land-handle being secured high up above the land-side, it will not clog with stubble or trash.

I claim—

The angular tie-block D, constructed as described, to unite the mold-board to the beam and hold the land-side handle, in combination with the mold-board A and iron beam C, as described.

JOHN L. LAUGHLIN.

Witnesses:

HENRY LINNIG,
WM. UTHOFF.