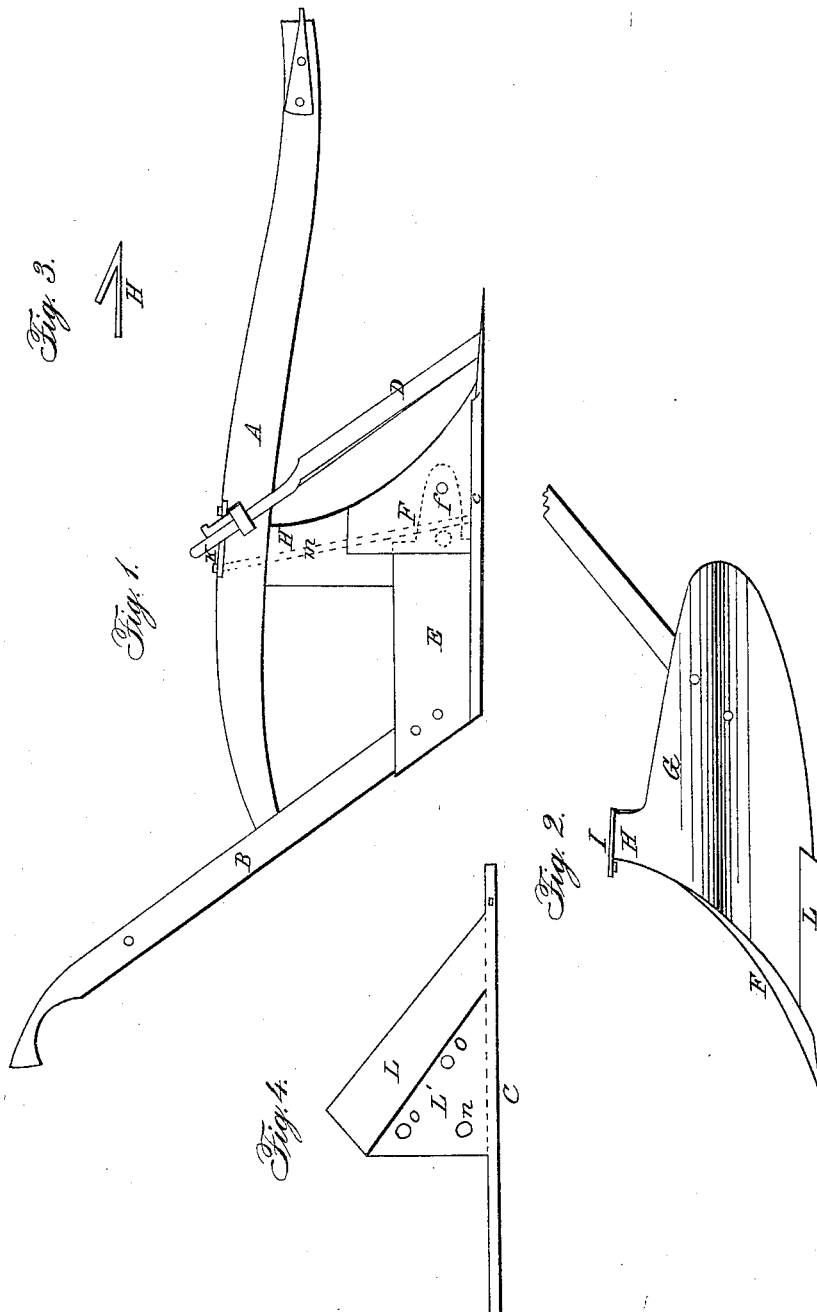


J. WALLACE.

Plow.

No. 51,245.

Patented Nov. 28, 1865.



Witnesses:

Charles Alexander
 Edw. P. Brown

Inventor:

J. Wallace
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UNITED STATES PATENT OFFICE.

JAMES WALLACE, OF BERKS COUNTY, PENNSYLVANIA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **51,245**, dated November 28, 1865; antedated May 28, 1865.

To all whom it may concern:

Be it known that I, JAMES WALLACE, of Berks County, Pennsylvania, have invented certain new and useful Improvements in Plows; and I hereby declare that the following is a true and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my improvement consists in the use of certain devices to give strength and solidity to the share, and also to the top of the mold-board, as hereinafter described.

In the annexed drawings Figure 1 represents a side elevation of the plow. Fig. 2 gives a side view of the mold-board and share detached from the beam. Fig. 3 is a plan view of the shank of mold-board and wing H, with the plate I removed. Fig. 4 shows the landside and share detached from other parts.

A in Fig. 1 represents the beam. B designates the handle attached to A, having in it a mortise to receive a tenon at the end of A.

C represents the landside of the share, and L the blade of the same. (See Figs. 2 and 4.) The front end of share C supports the lower end of colter D. The upper end of D rests against the side of beam A, and is kept in position by a staple, through which it passes, the opening in the staple being sufficiently wide to admit of a wedge, by which the inclination of colter D can be regulated.

E represents a metal plate bolted to the handle B, and resting at bottom on C. The plate E has a recess formed in it at its forward end, into which the side of the cutter F rests. The bottom of F, also, is supported by C. The plate E and cutter F are bound together by a screw-bolt, *f*. The cutter F is a little concave at the edge next the colter D, and is intended to operate in stubble-ground after the colter D has been removed.

The landside C and share L are made of wrought metal, steel being preferred to any other metal. The share L is curved to suit the mold-board, to which it is secured by two bolts passing through the holes *o o* in Fig. 4 in the plate L', which stretches across from the share L to the upper edge of the landside C, and to which it is firmly welded, thus forming a single piece. The cutter F is also formed of plate-steel, and can be removed at pleasure for sharpening. The face of the mold-board is defined by straight horizontal lines, with a true curve in a vertical direction.

The mold-board G, Fig. 2, has a wing, H, extending in length about one-third of the distance from the top of the shank of the mold-board to its lower edge. The wing H and the plate I are cast solid with the mold-board G. The wing H bends back in a line with beam A, as seen in Fig. 3. The plate I is confined to the under side of beam A by a bolt which passes through A and through the plate K on the top of A.

The letter *m* represents an iron rod, which penetrates the beam A, the plate *k* extending into a hole in the share at *n*. Fig. 4, binding the parts firmly together. The rod *m* has a head at the lower end and a screw and nut at top. It will be seen that by this arrangement the top of shank of the mold-board is so strengthened and traced as to render it impossible for it to give way.

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

The landside C and share L, when constructed as described, in combination with the cutter F, as herein specified.

JAMES WALLACE.

Witnesses:

F. A. SHULTZ,
GEORGE SCHOCH.