

J. W. LOWE.

Plows.

No. 150,062.

Patented April 21, 1874.

Fig. 1.

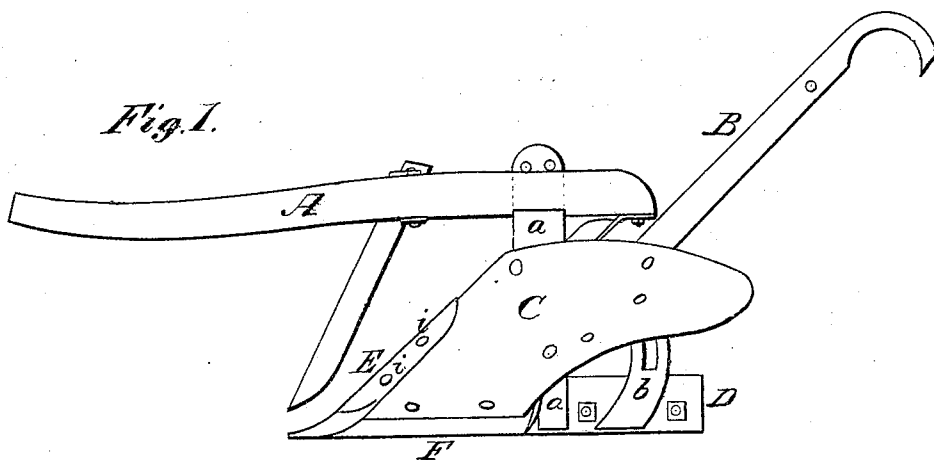


Fig. 2.

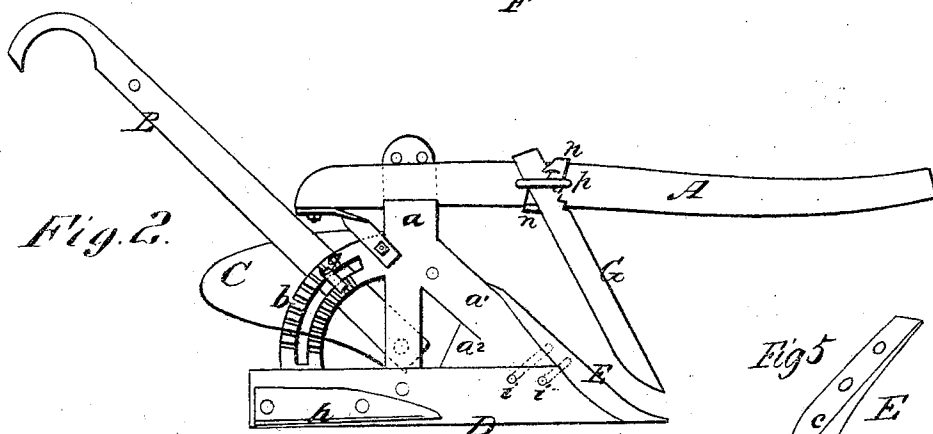
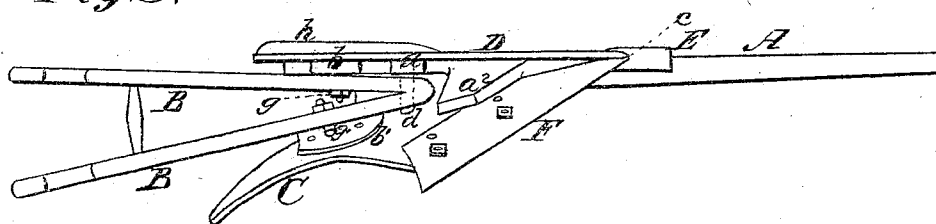


Fig. 5.



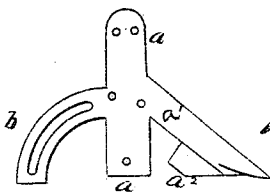
Fig. 3.



Witnesses.

E. H. Bates.

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UNITED STATES PATENT OFFICE.

JOHN W. LOWE, OF ASHLAND, OHIO.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **150,662**, dated April 21, 1874; application filed January 31, 1874.

To all whom it may concern:

Be it known that I, JOHN W. LOWE, of Ashland, in the county of Ashland and State of Ohio, have invented a new and valuable Improvement in Plows; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

This invention has relation to turn-plows; and it consists in the construction of a plow-standard, as will be hereinafter more fully described.

The following is a description of my improvements:

In the annexed drawings, A designates the plow-beam; B, the handles; C, the mold-board; D, the land-side bar, and E the plow-point. The standard consists of a vertical portion, *a*, a forward inclined portion, *a'*, and a rear curved portion, *b*, which latter is slotted and notched, for a purpose hereinafter explained. The front inclined portion *a'* of the standard is beveled to a sharp edge, and constructed with a laterally-inclined wing, *a''*, which affords a firm bearing for the mold-board C just above the share F. The front edges of the mold-board and land-side are beveled to sharp edges, which are adjusted into a V-shaped groove, *c*, formed in the rear edge of the plow-point E. This brings the land-side of the point E flush with the land-side bar D, and allows me to secure this bar, the mold-board, and the point E rigidly together by bolts *i*, passed obliquely through them. I also extend the mold-board side of the point E well up and over the mold-board, and thus have a removable cutting-edge on the point E. The share F is secured beneath the mold-board, and its front beveled end is fitted into the groove *c* in the point *e*, as shown in Fig. 3. This share is provided with two rows of holes, which allow it to be adjusted as it is worn away. The front ends of the two handles B

are beveled and secured together, and connected to the mold-board and standard by means of a pivot, *d*. In rear of this pivot *d* the right-hand handle B is secured to the slotted portion *b* of the standard by means of a beveled T-headed bolt, *g*, and a nut; and the left-hand handle B is secured to a slotted plate, *b'*, which is bolted to the inner side of the mold-board by means of a T-headed bolt, *g'*, and a nut. The slots through which bolts *g* *g'* pass are arcs of circles concentric to the axis of the pivot *d*. Consequently, by loosening the said nuts the handles B B can be adjusted up or down to suit the height of the plowman. At the rear portion of the land-side bar, and at or near its lower edge, I secure a fin or cutter, *h*, which will cut under each succeeding sod, and keep the plow steady and down to its work. This cutter *h* will also aid the share in the performance of its duty, and is especially useful in land where there are many roots. The curved extension *b* of the standard will serve as a brace for the rear portion of the land-side bar, to which the cutter *h* is secured, and sustain this bar against the lateral strain on it produced by the cutter. The colter G is secured to the beam A by means of a staple, *p*, and two lipped plates, *n*, by removing one of which the colter can be detached from its beam, or adjusted higher or lower. The notches in the front edge of the colter prevent it from slipping.

What I claim as new, and desire to secure by Letters Patent, is—

A plow-standard composed of the vertical portion *a*, forward inclined portion *a'*, having a laterally-inclined wing, *a''*, and the rear curved portion *b*, having slot and adjusting-notches, substantially as shown and described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

J. W. LOWE.

Witnesses:

W. H. McMURRAY,
W. C. WIDGEON.