S. F. SEELY.

Cultivator.

No. 84,911 Patented Dec. 15, 1868.

Fig 1.

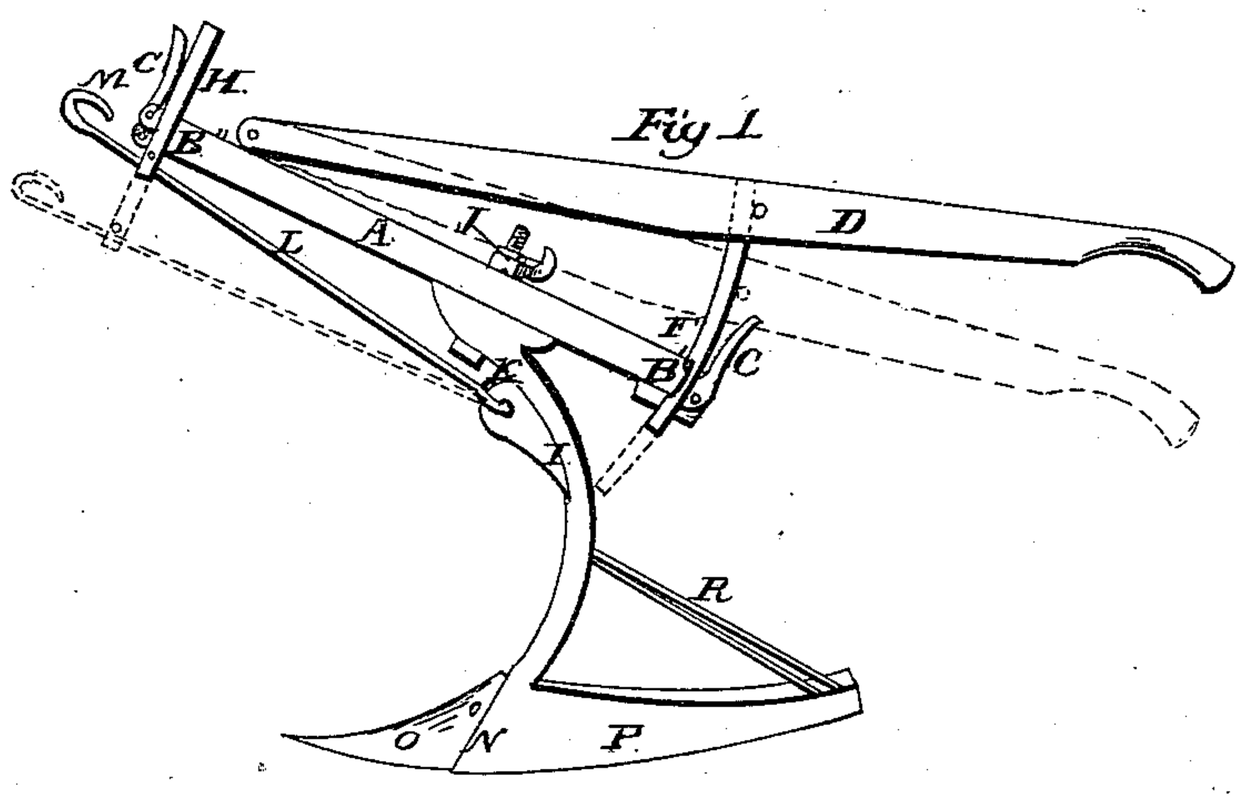
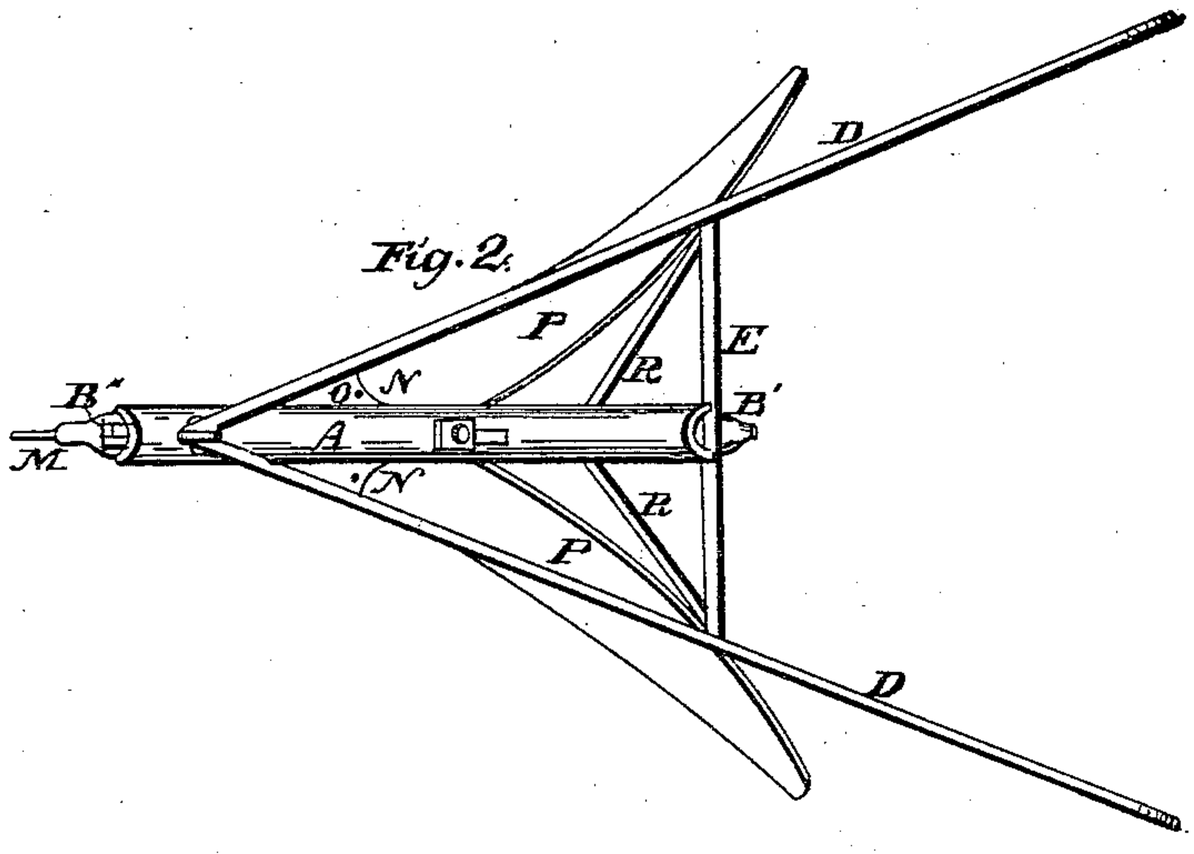


Fig. 2.



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SAMUEL F. SEELY, OF WHITEFORD, MICHIGAN.

Letters Patent No. 84,911, *dated December* 15, 1868; *antedated December* 11, 1868.

IMPROVEMENT IN CULTIVATORS AND PLOWS.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, SAMUEL F. SEELY, of Whiteford, in the county of Monroe, and State of Michigan, have invented a new and useful Improvement in a Cultivator and Plow; and I do hereby declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and making a part of this specification.

Figure 1 is a perspective view of my invention.

Figure 2 is a plan or top view of the same.

Like letters indicate similar parts in each figure.

This invention is designed to improve and perfect my cultivator and plow, as secured to me by Letters Patent, issued August 6, A. D. 1867, and numbered 67,595, and relates to the adjustability of all the parts of the apparatus, more perfectly than the apparatus originally patented, as above described.

A represents the beam, made of any suitable material, provided at either end with a tenon, B, and cam-levers, C.

The handles D are pivoted, at their forward ends, to the beam, and are connected by a cross-rod, E, to which is attached the slotted arm F, the slot G of which, rectangular in form, is intended to slip on the tenon B′, on the rear end of the beam, where it is held in any desired position by means of the cam-lever C′, pivoted upon the end of the tenon.

The front end of the beam is also provided with a slotted slide, H, which fits and plays upon the tenon B″, at the front end of said beam, and is secured in position by the cam-lever C″, pivoted upon the tenon at the front end of the beam.

Instead of the tenons and cam-levers heretofore described, I may use bolts in the ends of the beam, which may pass through the slotted arm and slotted slide, and they may be secured in position by a hand, or square nut, if preferred.

To the beam A is attached the standard I, by means of a bolt and nut, J, which bolt passes up through the cap of the standard and the beam, in such a manner that the direction of the standard may be adjusted and changed, as may be desired.

To the front of this standard I is attached, by a proper eye and ring, K, the draught-rod L, leading thence forward through the slotted slide H, and is provided with a suitable device, M, to which to attach a team.

To the bottom of the standard I is attached, by a suitable bolt, N, a diamond-shaped share, O, having two inclined sides, as shown in the drawing.

The foot of the standard I should be made V-shaped, the point projecting forward, and provided with suitable lugs and holes through them, to which to attach, by suitable bolts, the wings P, one upon either side, whose inner ends should be bevelled to fit the angles of the sides of the share, which is adjustable, so that when the point is worn off, the share may be changed end for end.

The wings, at their rear extremities, should be attached, by proper bolts and nuts, to the braces R, which lead to and are attached to the standard. By securing the wings in the manner described, when required, they can easily be removed for sharpening, or, when worn out, exchanged for new ones.

For certain purposes, it may be deemed best to use a flat share in place of the one described. Consequently, I do not confine myself to the use of the share O, but may use a flat one, of suitable shape, as shown in red lines in the drawings, and whose edges may project over the ends of the wings, as fully shown.

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

1. The tenon B′, the cam-lever C′, the slotted arm F, in connection with the cross-rod E, when operating substantially as and for the purposes set forth.

2. The share O, wings P, and braces R, in connection with the standard I, when operating substantially as and for the purposes herein described.

3. The adjustability of the standard I, for the purpose described, in combination with the share O, wings P, and tenoned beam A, substantially as set forth.

4. The combination of the beam A, the tenons B′ and B″, the cam-levers C′ and C″, the handles D, the cross-rod E, the slotted arm F, the slot G in the same, the slotted slide H, the standard I, the bolt and nut J, the eye and ring K, the draught-rod L, the hook M, the bolt N, the share O, the wings P, and the braces R, when arranged, constructed, and operating substantially as and for the purposes herein shown, set forth, and described.

SAMUEL F. SEELY.

Witnesses:

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