

P. B. PARCELL.

2 Sheets—Sheet 1.

Cultivator.

No. 108,047.

Patented Oct. 4, 1870.

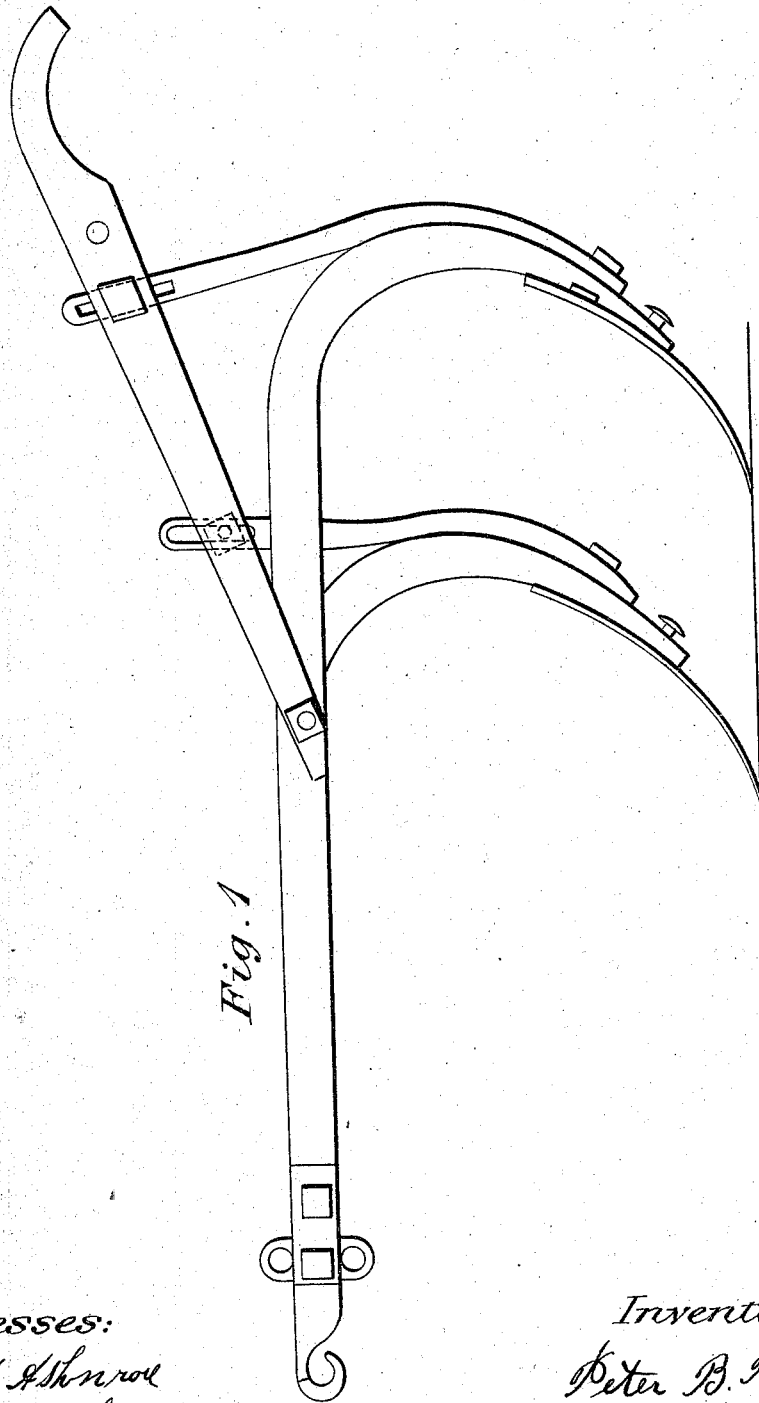


Fig. 1

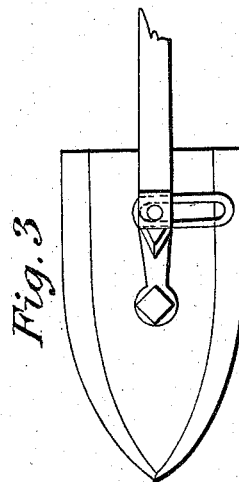
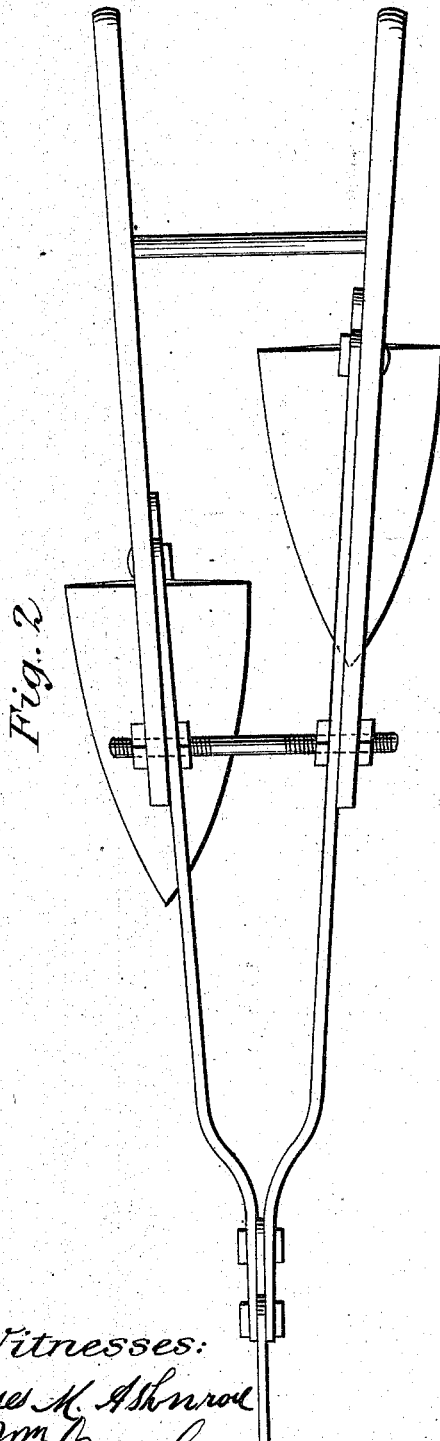
Witnesses:
James M. Ashcroft
Wm. D. Cushman

Inventor:
Peter B. Parcell

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Peter B. Parcell

UNITED STATES PATENT OFFICE.

PETER B. PARCELL, OF ASHMORE, ILLINOIS.

IMPROVEMENT IN SHOVEL-PLOWS.

Specification forming part of Letters Patent No. 108,047, dated October 4, 1870.

To all whom it may concern:

Be it known that I, PETER B. PARCELL, of Ashmore, in the county of Coles and State of Illinois, have invented certain new and useful Improvements in Double-Shovel Plows; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the construction and arrangement of an improved double-shovel plow; also, in the mode of adjusting the various parts thereof, all of which will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of my specification, and in which—

Figure 1 is a side elevation, and Fig. 2 a plan view, of my machine. Fig. 3 is a bottom view of the shovel.

A A' represent the two plow-beams, constructed substantially as shown in Fig. 2, their front ends having the hook or clevis B between them, and fastened together by a bolt, *a*, passing through said beams and the rear end of the clevis. At a suitable point in front of the place where the bolt *a* passes through, the hook or clevis B is enlarged, having a projection both on the upper and lower side, through which are a number of holes, as shown in Fig. 1. A bolt, *a'*, is passed through the beams A A' and one of said holes. By changing the position of the hook or clevis so as to let the bolt *a'* pass through a hole higher up or lower down the depth at which the plows are to work may be easily regulated. By this means the plow is also accommodated to the height of the horse.

In rear of the bolt *a* the beams A A' turn abruptly outward, and then run parallel, or nearly parallel, toward the rear. The beam A' extends farther back than the beam A, and

both beams curve at their rear ends quite abruptly downward, describing a little more than a quarter of a circle. At the point where the beam A commences this downward curve a rod, C, is passed through both beams, and also through the lower front ends of the handles DD'. The rod C is provided with screw-threads on both ends, and taps or nuts *b b'* are put on at each end, one inside of the beam and one outside of the handle. By this means the beams A A' are held at any desired distance apart, and the handles are firmly secured to the beams. The handles are further braced near their upper ends by the rounds E.

On the rear side of the curved portion of the beams A A' are placed braces G G', connected each with its respective beam by means of a bolt, *e*. These bolts *e e'* pass through horizontal slots in the shovels H H', the edges of said slots being beveled.

At the lower ends of the beams A A' are set-screws *f f'*, which bear against the under sides of the plows, and are used, together with the slots in the plows, to regulate and change the position of the plows, so as to throw the earth to or from the plant at the pleasure of the operator.

The upper ends of the braces G G' are slotted, and attached by means of bolts *h h'* to the handles, by means of which the handles may be raised or lowered at will to suit the height of the operator.

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

The arrangement of the beams A A', hook B, screw-rod C, handles D D', round E, braces G G', plows H H', bolts *a a'*, nuts *b b'*, bolts *e e'* and *h h'*, and set-screws *f f'*, all constructed substantially as and for the purposes herein set forth.

PETER B. PARCELL.

Witnesses:

H. C. WORTHAM,
S. M. SHEPARD.