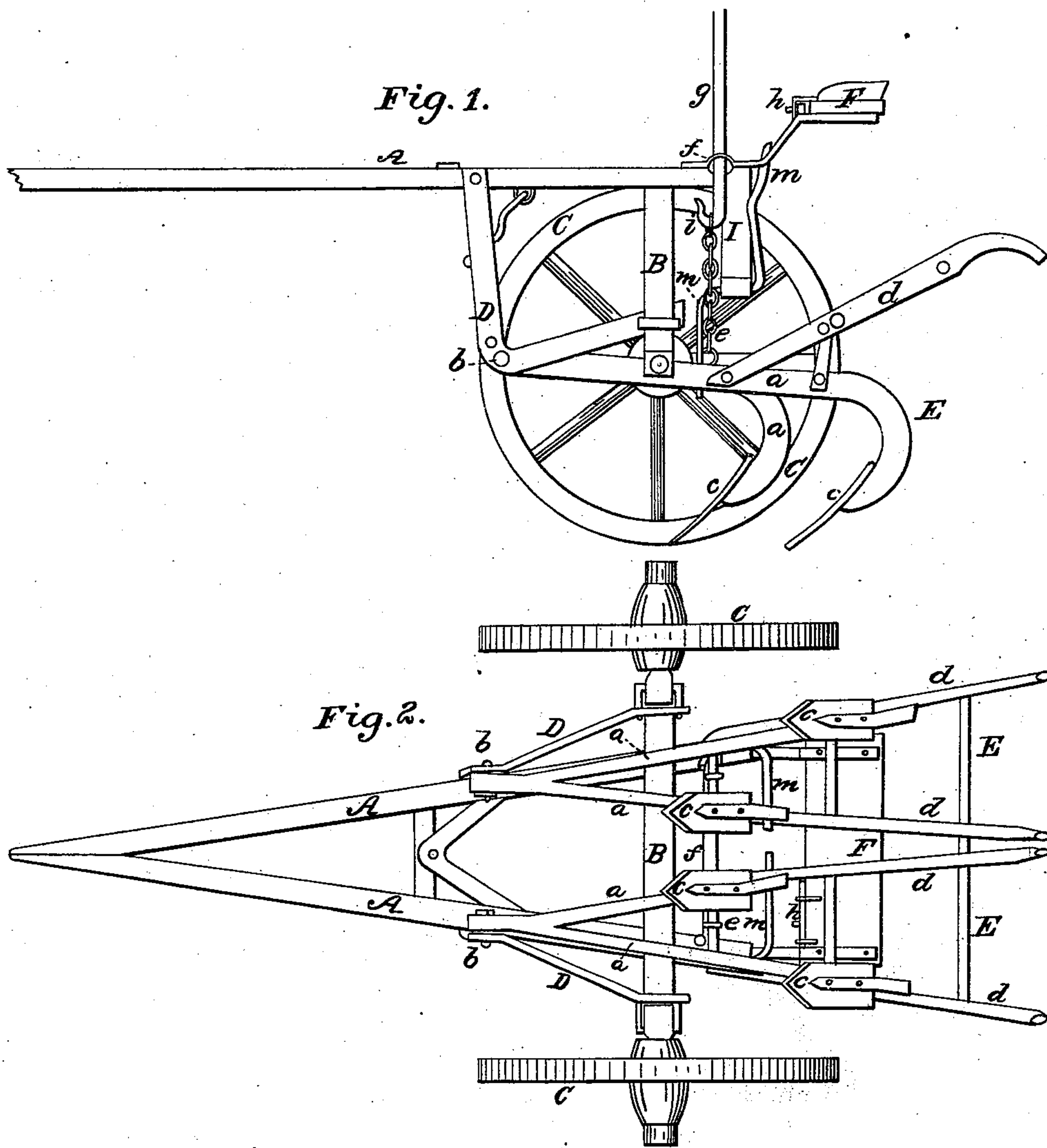


L. D. McCLINTICK.

Wheel Cultivator.

No. 85,233.

Patented Dec. 22, 1868.



Witnesses:

Harry King
Leopold Kuch

Inventor:

L. D. McClintick
per Alexander D. Smith
Attys.

United States Patent Office.

L. D. McCLINTICK, OF GLENWOOD, IOWA.

Letters Patent No. 85,233, dated December 22, 1868.

IMPROVEMENT IN CULTIVATORS.

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

To all whom it may concern:

Be it known that I, L. D. McCLINTICK, of Glenwood, in the county of Mills, and in the State of Iowa, have invented certain new and useful Improvements in "Cultivators;" and do hereby declare that the following is 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 of a cultivator which can be used either walking or riding, and which, by taking out two bolts, can be transformed into two double-shovel plows, all of which will be hereinafter more 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 this specification, and in which—

Figure 1 is a side view in section, and

Figure 2 is a bottom view.

A A represent two beams or bars, of suitable material and dimensions, joined together at the front end, forming the tongue.

On the under side, near the rear ends of the bars A A, which are here suitably distant, is secured a metal bar, B, which crosses the beams A A, and on the outside is bent downwards, and, at the lower ends, bent outwards, forming the axles or journals for the wheels C C.

The bent bar B is braced by two bars, D D, secured at suitable points, one on each of the vertical parts of the bar B, then extending forward and upward to the beams A A, where they are firmly secured.

At the bend of each of the braces D D is pivoted a double-shovel plow, E, which consists of two bars a a, joined together at the front end, where they are pivoted to the brace D by means of a bolt, b.

The bars a a extend backward a suitable distance, spreading further apart toward the rear. They are then bent downward, and to their lower ends the plow-blades c c are secured.

Handles d d are also properly affixed to the bars a a, so as to form a complete double-shovel plow.

The plows E E can be raised out of the ground, by means of chains e e secured to the same, which chains are hung on hooks i i, at the ends of a rod, f, which is placed in suitable journal-boxes on top of the rear ends of the beams A A.

To one end of the rod f, a lever, g, is attached, which can be operated by the driver on his seat F, which seat is supported by bars from the rear ends of the beams A A.

When the plows are raised up out of the ground, the lever g is held by a sliding bar, h, on the front of the driver's seat F.

The depth to which the plows E E should work in the ground is regulated by the chains e e, as they can be hung, at any length desired, on the hooks i i.

To keep the plows E E a proper distance apart while in use, I have provided bent rods m, which pass through stirrups at the lower ends of two short blocks, I I, extending downwards from the rear ends of the beams A A.

The lower ends of the rods m m are inserted between the bars a a of the plows E E, and the upper ends are so bent that the driver can bear upon them with his feet, thus keeping the plows E E outward at suitable distance apart.

It will readily be seen that this cultivator can be used as well walking as riding; in the former case, the operator holding the plows by their handles.

By removing the bolts b b, the two plows E E are separate, and can be used for any purpose desired.

Having thus fully described my invention,

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

The combination of the double plows a a, handles d d, shovels c c, frame A, wheels C, bent axles B, bars D D, lever g, chains e, bars m, and seat F, all constructed and used substantially as herein specified.

In testimony that I claim the foregoing, I have hereunto set my hand, this 13th day of October, 1868.

L. D. McCLINTICK.

Witnesses:

T. W. COOLIDGE,
LEOPOLD EVERT.