C. MARSH, 2d.

Cultivators.

No. 133,467. Patented Nov. 26, 1872.

Fig 1.

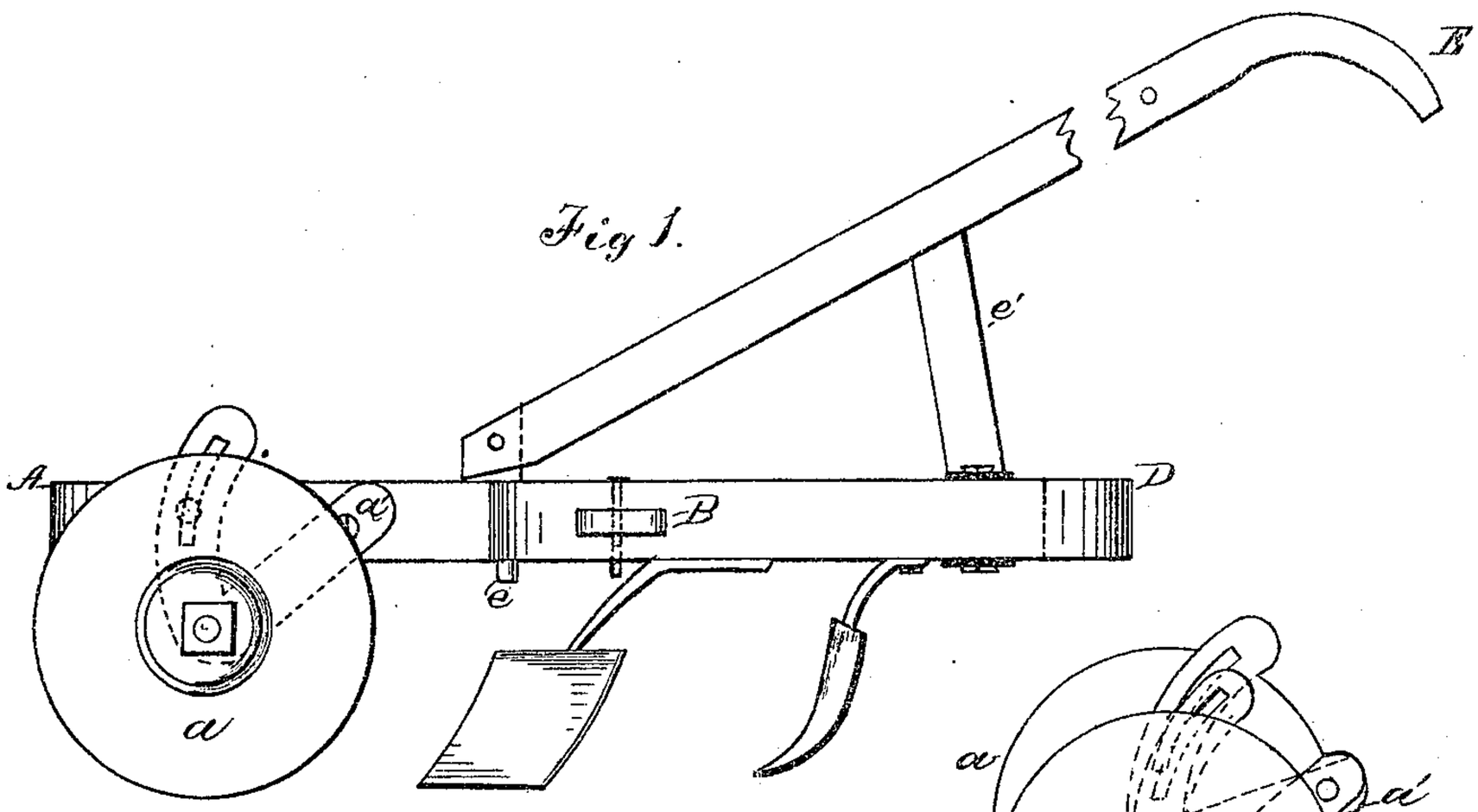


Fig 2.

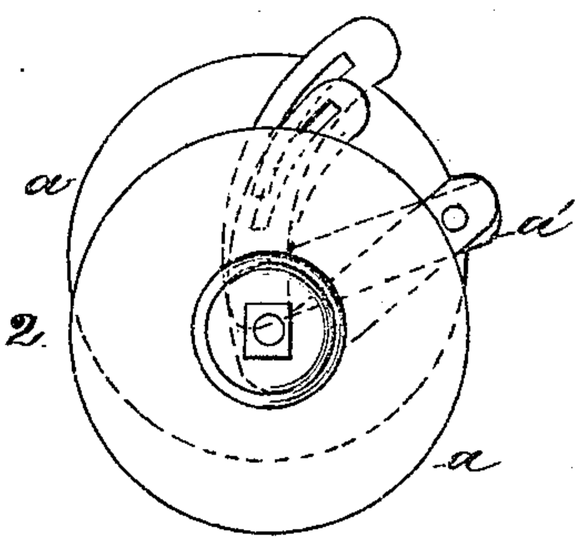


Fig 3.

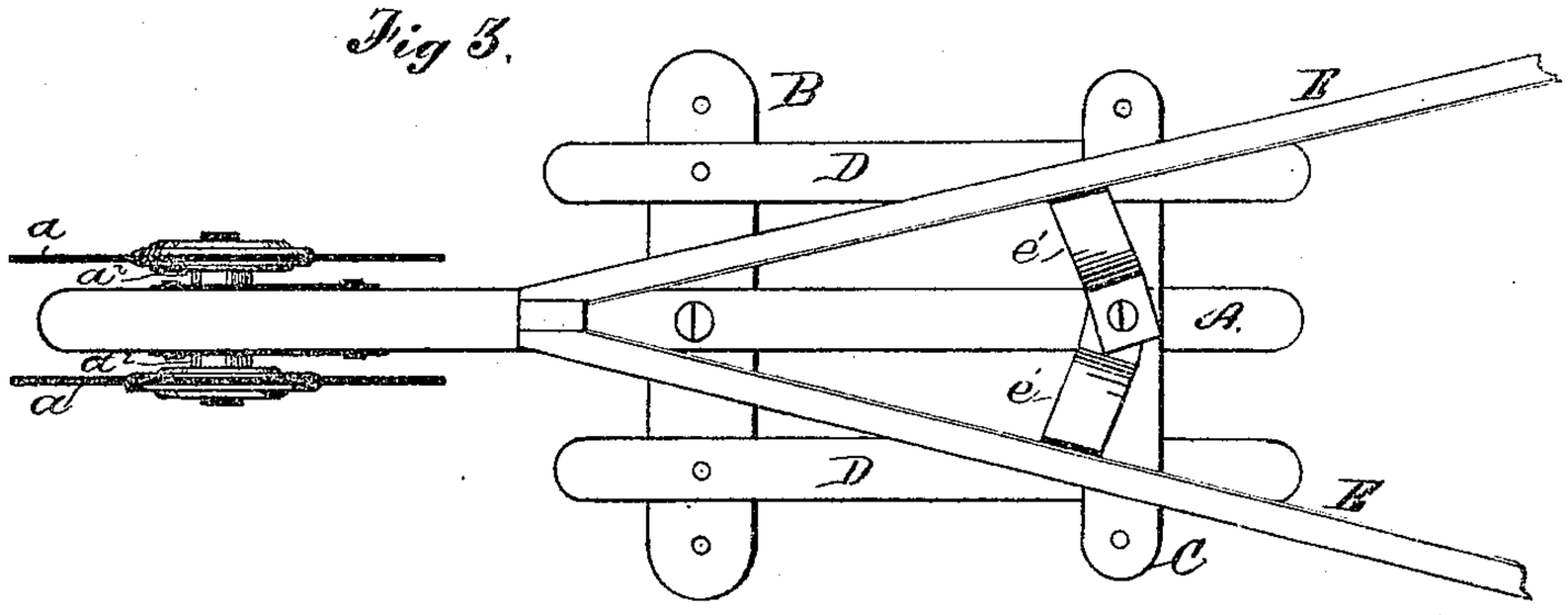
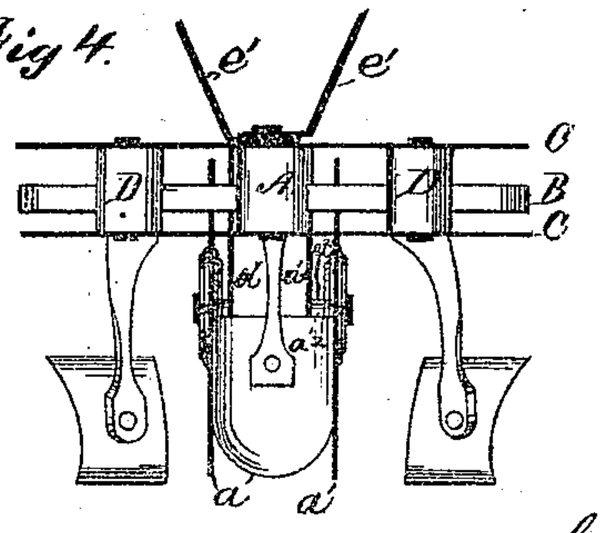


Fig 4.



Witnesses:

H. Barlin Clark.

Columbus Choate

Inventor.

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Attys.

UNITED STATES PATENT OFFICE

CYRUS MARSH, 2D, OF NATCHEZ, MISSISSIPPI.

IMPROVEMENT IN CULTIVATORS.

Specification forming part of Letters Patent No. **133,467**, dated November 26, 1872.

To all whom it may concern:

Be it known that I, CYRUS MARSH, 2d, of Natchez, in the county of Adams and State of Mississippi, have invented a new and useful Improvement in Corn and Cotton Cultivator; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

This invention is designed for use in cultivating corn and cotton; and consists in a combination of simple parts in a peculiar manner, whereby a cheap and effective machine is produced, as will be fully described hereinafter.

In the drawing, Figure 1 represents a side elevation of my improved machine; Fig. 2, a side elevation of the wheels detached; Fig. 3, a plan view of the machine; and Fig. 4, a rear elevation of the same.

To enable others skilled in the art to make and use my invention, I will now proceed to describe fully its construction and manner of operation.

A represents the center-beam of the machine, constructed of any suitable material, and of any proper size. *a a* represent guiding and supporting wheels, attached to the front end of the beam A by means of the slotted elbow-irons a^1, having suitable journals a^2 for the wheels, as shown. The rear end of the iron a^1 is pivoted to the center-beam A, but the front end, which is slotted, is free to move for the purpose of varying the position of the wheel vertically, the iron being held, however, in any desired position by means of a suitable bolt and nut or set-screw. B represents a cross-beam, which is rigidly held in a suitable slot in the central beam, and is provided with openings, as shown in Fig. 3. The rear end of the beam A is provided with cross-bars C C, located one above and the other below the beam, as shown in Fig. 4, these bars also being provided with suitable openings, as shown in Fig. 3. D D represent the side beams, which are removably attached to the machine by means of the cross-beam B in front and the cross-bars C C in rear. E represents the handles, pivoted in front to the central beam A by means of the pin *e*, and supported near their center by the angle-irons *e' e'*. The bases of these irons are secured by a single pin or bolt to the upper cross-bar C, and by changing their position and securing them in different holes in the cross-bar the position of the handles may be adjusted as may be desired. Each side beam is provided with a share near its forward end, which is attached by means of a suitable shank or standard, as shown. The central beam is provided with a shovel-plow near its rear end, which is capable of removal by loosening its securing-bolt, when desired.

By means of the combination described the wheels may be adjusted vertically to regulate the height of the machine. The side beams also may be adjusted laterally, and they may be used on either side of the machine, at will. By removing the shovel-plow from the central beam both sides of a row may be barred off or hilled up. The handles may be set to either side of the machine desired by changing the position of the supporting-irons.

The machine, as a whole, is simple in its construction, and well adapted for the purpose for which it is designed.

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

The machine described, consisting of the central beam A, with its removable shovel-plow, wheels *a a*, elbow-irons a^1 a^1, cross-beam B, bars C C, side beams D D, with their shares, and the handles E, all combined and arranged as described, for the purpose set forth.

This specification signed and witnessed this 22d day of August, 1872.

C. MARSH, 2D.

Witnesses:

H. P. BARLOW,

GEO. N. RAYMOND.