(No Model.)

2 Sheets—Sheet 1.

J. I. HANCOCK.

CULTIVATOR.

No. 265,801. Patented Oct. 10, 1882.

Fig. 1.

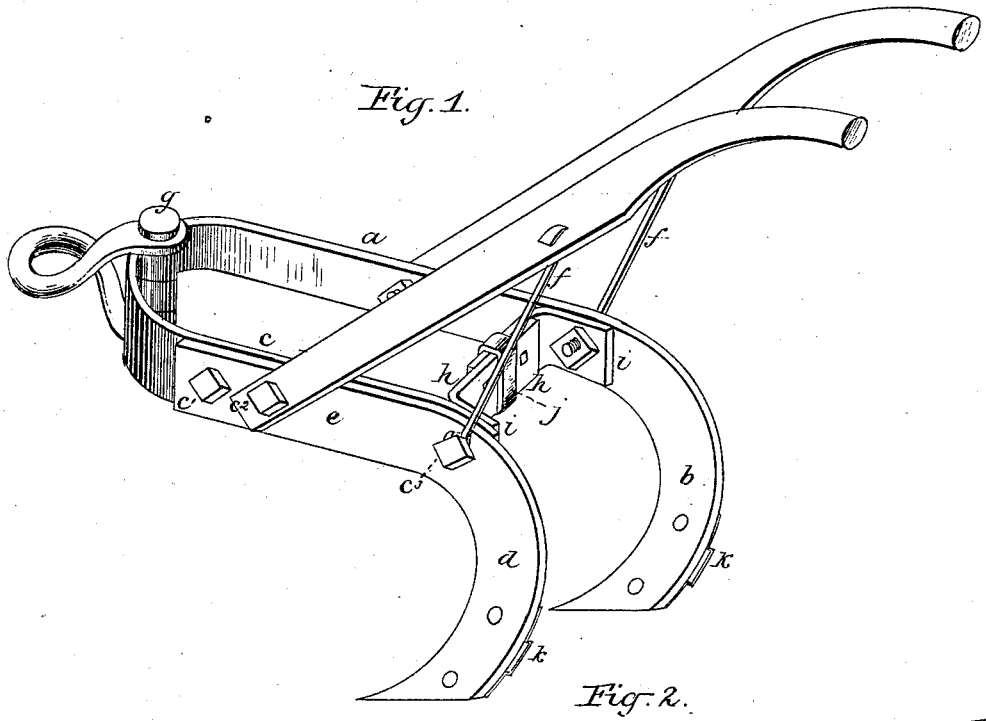


Fig. 2.

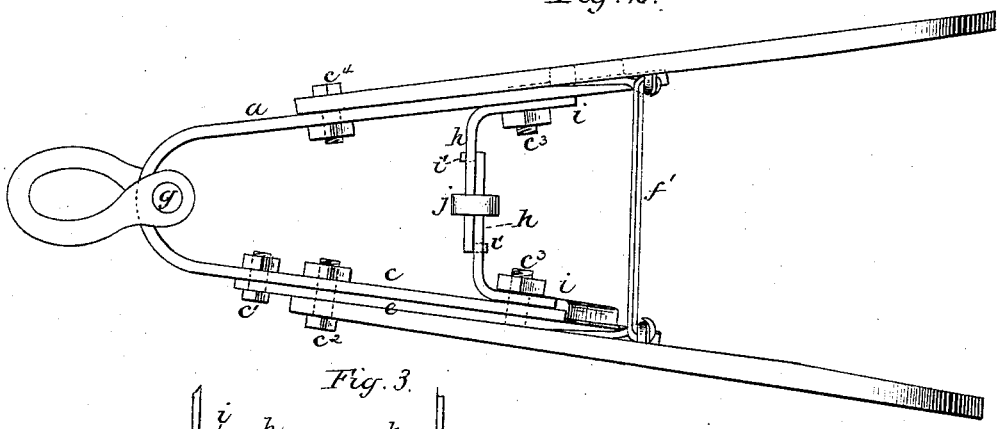
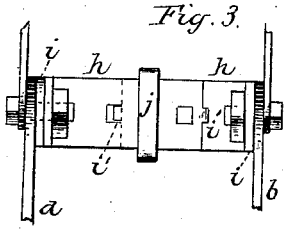


Fig. 3.



Witnesses:-
Edmund Brodhag
Howell Bartle.

Inventor:
per John I. Hancock
Johnson & Johnson
Attys

N. PETERS. Photo-Lithographer, Washington, D. C.

(No Model.) 2 Sheets—Sheet 2.

J. I. HANCOCK.

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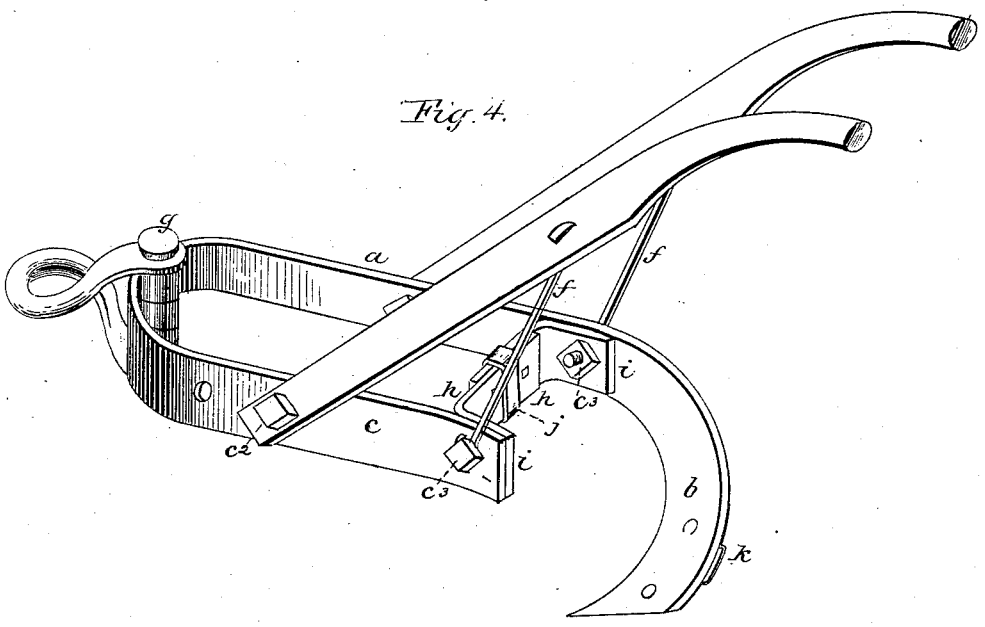
Fig. 4.



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UNITED STATES PATENT OFFICE.

JOHN I. HANCOCK, OF THOMASVILLE, GEORGIA.

CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 265,801, dated October 10, 1882.

Application filed July 20, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN I. HANCOCK, a citizen of the United States, residing at Thomasville, Thomas county, State of Georgia, have invented new and useful Improvements in Covering and Cultivator Plows, of which the following is a specification.

My invention relates to that class of cultivator-plows in which the plow-beams are hinged together and adapted to be adjusted laterally to vary the width of the plowshares for different kinds of work.

My improvement consists of the combination, in a covering-plow and cultivator, of a frame consisting of two hinged beam-plates with a removable curved standard and two perforated angle-braces secured respectively to the beam-plates and their adjusting devices, as hereinafter set forth.

Referring to the drawings, Figure 1 represents a perspective view of the frame of a cultivator-plow constructed in accordance with my invention. Fig. 2 is a plan view of the same. Fig. 3 is a view of the adjusting-braces and their locking loop or slide, and Fig. 4 the frame as adapted for a covering-plow.

The frame of the plow consists of a curved beam-plate, *a*, bent to form one of the curved standards, *b*. The forward end of the beam-plate *a* is curved inwardly and hinged to a curved plate, *c*, bent at its forward end to correspond with the bent end of the plate *a*, and extends rearwardly to a point opposite, where the beam *a* joins the standard *b*. A curved standard, *d*, provided with a forwardly-projecting arm, *e*, is adapted to be removably secured to the plate *c* of the frame by bolts c', c^2, and c^3. The plow-handles are secured one to each beam or section of the frame by bolts c^2 and c^4, and braced thereto by vertical braces *f f* and a horizontal brace, *f'*. A twisted draft-link is pivotally connected by the pin *g* to the hinged joint of the frame.

The devices for laterally adjusting the standards consist of two overlapping angle-braces, *h h*. The bent end portion, *i*, of each brace is perforated to receive a bolt, which latter passes through the frame-plates *a c e* and secures the braces thereto. The transverse portions *h* of the braces overlap each other, and are provided with a series of perforations. At the inner end of the lapping part of each brace is formed a right-angle lip or stud, *i'*, the lip of one brace being adapted to enter the perforations of the other, as shown. A sliding loop, *j*, embraces and holds the two braces securely together. By this means the beam-standards may be laterally adjusted to suit the work to be performed, and will be securely held in their adjusted position. When only a covering-plow is desired the plate-standard *d e* may be removed, as shown in Fig. 4, by removing the bolts which secure it to the plate *c* of the frame. It will be observed that the bolt c^2, which assists to secure the plate-standard *e* to the frame, also secures the handle to the frame; also, that the bolt c^3 secures the plate-standard *d e*, the frame-plate *c*, the cross-brace *h*, and one of the vertical braces *f* to the frame. Thus, when the standard *d e* is removed, the handles and braces are still securely held in place by the same bolts, and the structure of the plow is maintained, as shown in Fig. 4, as a covering-plow. The lower ends of the curved standards are provided with any suitable sockets or retaining devices, *k*, to receive the bolts which secure the shovels or mold-boards.

The frame proper consists of the long beam-standard *a b* and the short frame-plate *c*, and these, being connected and braced, form the covering-plow. The removable short beam-standard *e d* is bolted to the outer side of the short frame-plate *c*, making a rigid frame with a single or double standard, in which the same bolts are used to secure the parts together.

I claim—

In a covering-plow and cultivator, the combination, with a frame consisting of two hinged beam-plates, *a c*, of a removable curved standard, *e d*, and two perforated angle-braces, *h h*, secured respectively to the beam-plates *a c* and their adjusting devices, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN I. HANCOCK.

Witnesses:

A. T. MACINTYRE, Jr.,

W. R. MACINTYRE.