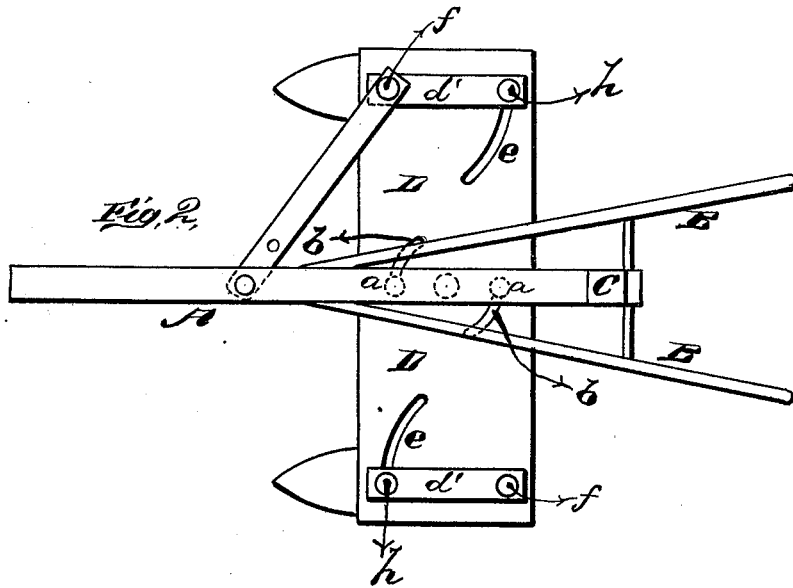
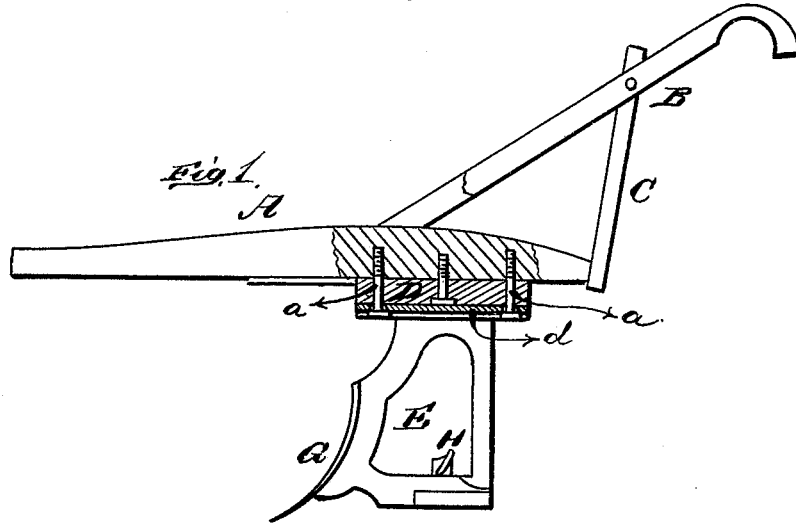


A. JONES  
Cultivator.

No. 196,670.

Patented Oct. 30, 1877.



WITNESSES  
*G. H. Bates*  
*George E. Upshaw*

INVENTOR.  
*A. Jones.*  
*J. Moore & Smith Co.*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

ASA JONES, OF SNOW HILL, NORTH CAROLINA, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOHN H. DAIL, OF SAME PLACE.

## IMPROVEMENT IN CULTIVATORS.

Specification forming part of Letters Patent No. **196,670**, dated October 30, 1877; application filed September 8, 1877.

*To all whom it may concern:*

Be it known that I, ASA JONES, of Snow Hill, in the county of Greene and State of North Carolina, have invented a new and valuable Improvement in Cultivators; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a longitudinal vertical sectional view of my cultivator, and Fig. 2 a plan view of the same.

The nature of my invention consists in the construction and arrangement of a cultivator, as will be hereinafter more fully set forth.

The annexed drawings, to which reference is made, fully illustrate my invention.

A represents an ordinary plow-beam, with handles B B, said handles being braced by a bar, C, connecting the rear end of the beam with a round between the handles.

D represents a board or plate, of rectangular or other suitable form, held to the under side of the beam A by means of two bolts, *a a*, passing through beam, through curved slots *b b* in the board, and through a plate or bar, *d*, on the under side of the board.

In each end of the board D is a curved slot, *e*, said two slots running in opposite directions—one near the front edge and the other near the rear edge, as shown. Under each end of the board D is fastened a plow, which is fastened by a single bolt, *f*, forming the center of the circle of which the curved slot *e* is an arc. Each plow is then held at any angle, according to the angle at which the board D is placed, and held by a bolt, *h*, passing through the slot *e*. The bolts *f* and *h* also pass through a plate or bar, *d'*, on top of the board.

The plows used are each composed of a frame, E, with shovel-plow G in front and wings H in rear. The board may be adjusted and held at any angle under the plow-beam, according to the work intended to be done, the plows being then adjusted to correspond. The board may be held at right angles to the beam, in which case a turning-plow may be worked on each end of the beam, for the purpose of bedding or listing land for corn or cotton. A third plow may then be worked in front of the board, and the end plows, being turn-plows, making a list or bed on the center furrow; or it may be worked in rear of the board, cleaning out the balk or middle left by the plows worked on the ends of the board, which may be turning-plows or shovel or cotton plows.

When the board is set at an angle of forty-five degrees three plows may be worked on the board—one in the center and one at each end—the distances between the furrows being regulated by the curved slots and bolts. Sweeps with points may be worked when the other plows are removed.

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

The combination, with the plow-beam A, of the adjustable board D, slotted at each end at *e*, and in the center at *b*, with the adjusting-plows G E fastened thereto by means of the bolts *f h*, and operating in the manner as set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ASA JONES.

Witnesses:

WM. H. SUGG,  
JNO. D. GRIMSBY.