

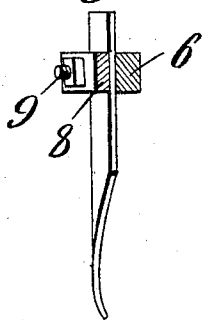
No. 849,396.

PATENTED APR. 9, 1907.

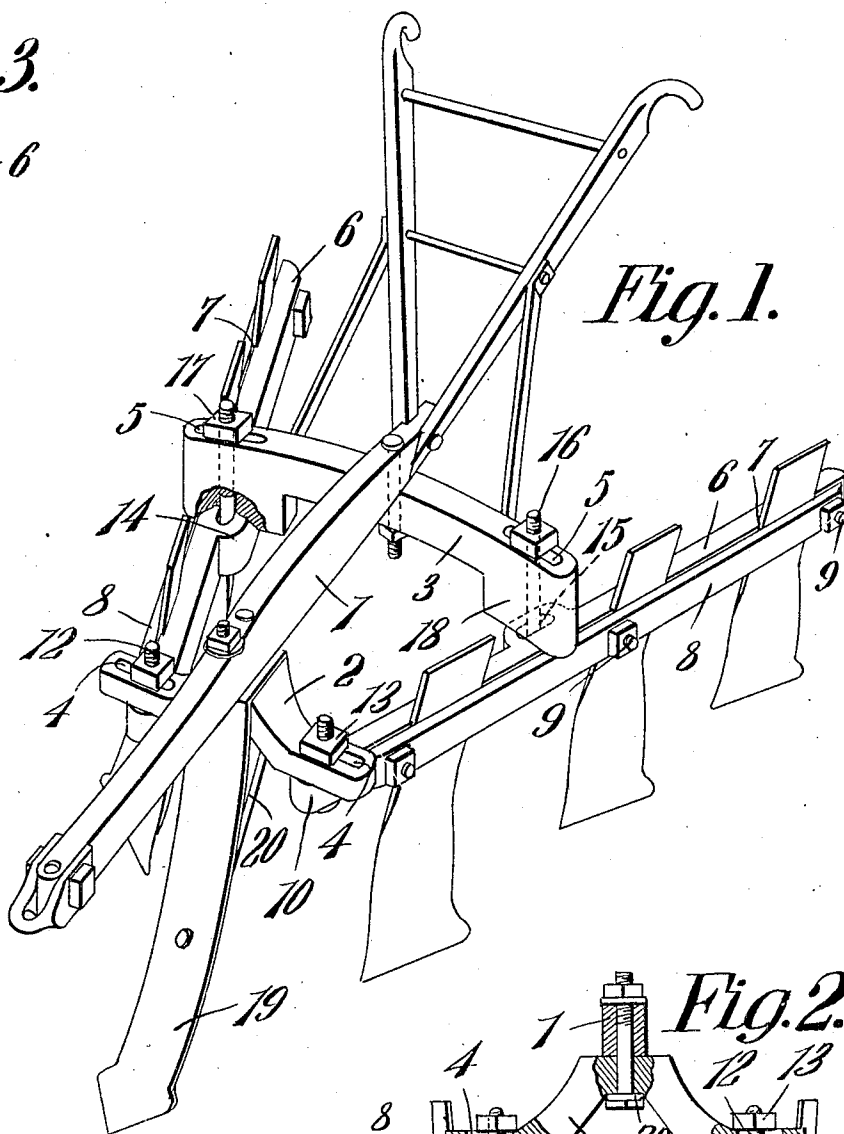
W. C. HINTON.  
CULTIVATOR.

APPLICATION FILED AUG. 3, 1906.

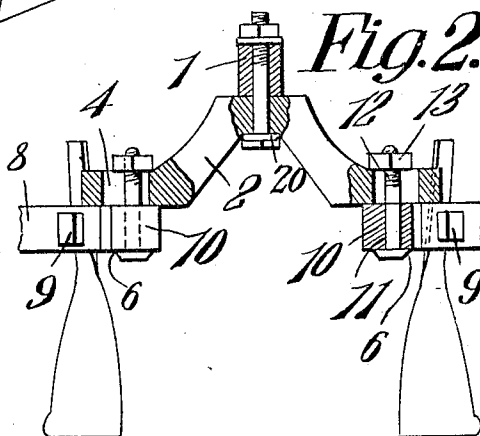
*Fig. 3.*



*Fig. 1.*



*Fig. 2.*



WITNESSES:

*E. H. Stewart;*

*Edmund Turner*

*William C. Hinton,* INVENTOR

By *C. A. Snow & Co.*

ATTORNEYS

# UNITED STATES PATENT OFFICE.

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JOHN H. SAYER, OF PISTOL, GEORGIA, AND ONE-HALF TO CALLOWAY  
CROFT, OF DANBURG, GEORGIA.

## CULTIVATOR.

No. 849,396.

Specification of Letters Patent.

Patented April 9, 1907.

Application filed August 3, 1906. Serial No. 329,127.

*To all whom it may concern:*

Be it known that I, WILLIAM C. HINTON, a citizen of the United States, residing at Danburg, in the county of Wilkes and State of Georgia, have invented a new and useful Cultivator, of which the following is a specification.

This invention has relation to cultivators; and it consists in the novel construction and arrangement of its parts, as hereinafter shown and described.

The object of the invention is to provide a cultivator of such construction as to be altered or adjusted to be used as a straddle-row cultivator or single-row cultivator, or it may be provided with harrow-teeth and used in the capacity as a harrow. Interchangeable side bars are provided, which may be so arranged upon the cultivator as to throw the earth away from the row of plants or toward the row of plants. Means is provided for changing or varying the angle of inclination of said bars with relation to each other. Also means is provided for vertically adjusting the position of the plows or harrow-teeth vertically upon the said bars.

In the drawings, Figure 1 is a perspective view of the cultivator. Fig. 2 is a front elevation of the same with parts broken away. Fig. 3 is a detail view of a harrow-tooth used on the cultivator.

The cultivator comprises the beam 1, to the under side, at an intermediate point, of which is attached an arch member 2. The segment member 3 is attached to the said beam 1 near the rear end thereof. The arch member 2 is provided at its ends with the elongated slots 4, which extend in a transverse direction with relation to the implement. The segment member 3 is provided at its ends with the elongated slots 5, which extend along the longitudinal axis of the said member 3.

The side bars 6 are both alike, and a description of one will answer for both. Each side bar is provided in its outer side with the recesses 7, which are adapted to receive plow-standards or harrow-teeth. The clamp-rail 8 is secured to the outer side of the bar 6 by means of the bolts 9. The said rail bears laterally against the plow-standards or harrow-teeth located in the recesses 7 and retains the same in position therein. The for-

ward end of the bar 6 is provided with an enlarged head 10, which in turn is provided with a vertically-disposed perforation 11. The bolt 12 passes through the said perforation 11 and through one of the elongated slots 4 of the arch member 2. The said bolt 12 may be adjusted longitudinally of the said slot 4 and secured in adjusted position by means of the nut 13, which is screwed down into engagement with the upper surface of the arch member 2. At an intermediate point the said bar 6 is provided with a laterally-extending lug 14, which in turn is provided with a vertically-disposed elongated perforation 15. The bolt 16 passes through the said perforation 15 and through one of the elongated slots 5 of the segment member 3. The said bolts 16 may be adjusted longitudinally of the slot 5 and secured in such adjusted position by means of the nut 17, which is screwed down into engagement with the upper surface of the said segment member 3. The said segment member 3 is of greater depth at its ends, as at 18, than it is at its intermediate portion. The lower edge of the intermediate portion is in a higher plane than the ends of the said segment member, and consequently the said segment member may readily straddle a row of plants.

When used as a single-row cultivator, the plow 19 may be attached to the arch member 2 and braced with relation thereto by means of the brace 20, which is attached at its lower end to the said plow and at its upper end to the under side of the said arch member 2. When used as a straddle row, the said plow 19 and brace 20 is removed.

From the foregoing description it is obvious that by providing lateral adjustments for the side bars at their forward ends and at intermediate points the said bars may be adjusted to any desired angle with relation to each other and may also be moved into parallel relation. The plow-points or harrow-teeth may be vertically adjusted with relation to the said bars for convenience in adapting the implement to work soils of different heft. Also the plow-points may be arranged on the said bars so that the said points will all be disposed in the same direction, and they may be located at either side of the implement to throw the dirt away

from the row of plants or to throw the dirt toward the row.

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

1. A cultivator comprising a beam, an arch member attached to the beam and having at its ends elongated openings, a segment member attached to the beam and having at its ends elongated openings, side bars having earth-engaging members, and bolts attached to the bars and passing through the elongated openings of the arch and segment members.

2. A cultivator comprising a beam, an arch member attached to the beam and having at its ends elongated openings, a plow attached to said arch member, a segment member attached to said beam and having at its ends elongated openings, side bars carrying earth-engaging members, bolts attached to said side bars and passing through the elongated openings of the arch and segment members.

3. A cultivator comprising a beam, an arch member attached to the beam and hav-

ing at its ends elongated openings, a segment member attached to the beam and having at its ends elongated openings, the under edge of the intermediate portion of said segment member being in a higher plane than the edge at its ends, side bars carrying earth-engaging members, bolts attached to said side bars and entering the elongated openings of the arch and segment members.

4. A cultivator comprising a beam, an arch member attached to the beam and having elongated openings, a segment member attached to the beam and having elongated openings, side bars carrying earth-engaging members, rails clamped to said bars and forming the retaining means for earth-engaging members, bolts attached to said bars and passing through the elongated openings of the arch and segment members.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM C. HINTON.

Witnesses:

JOHN T. WINGFIELD,  
M. A. POPE.