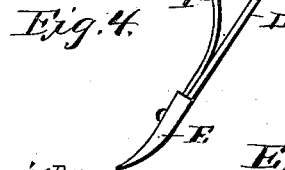
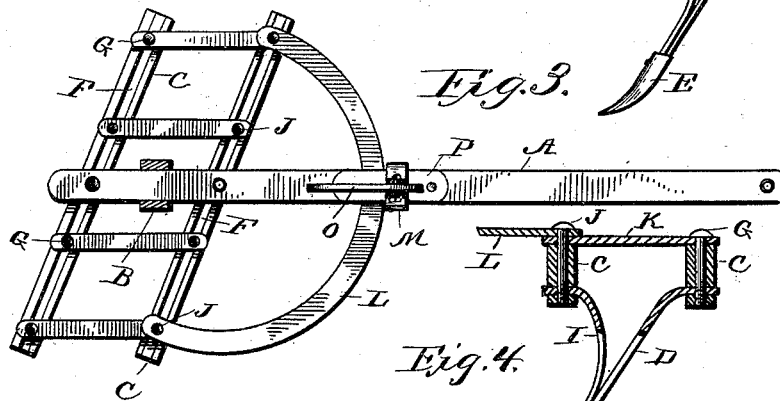
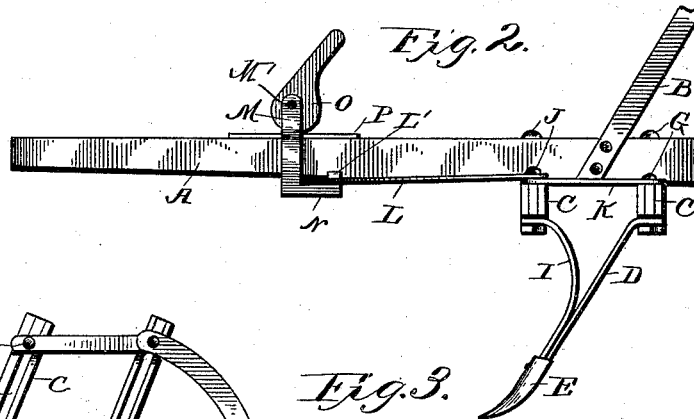
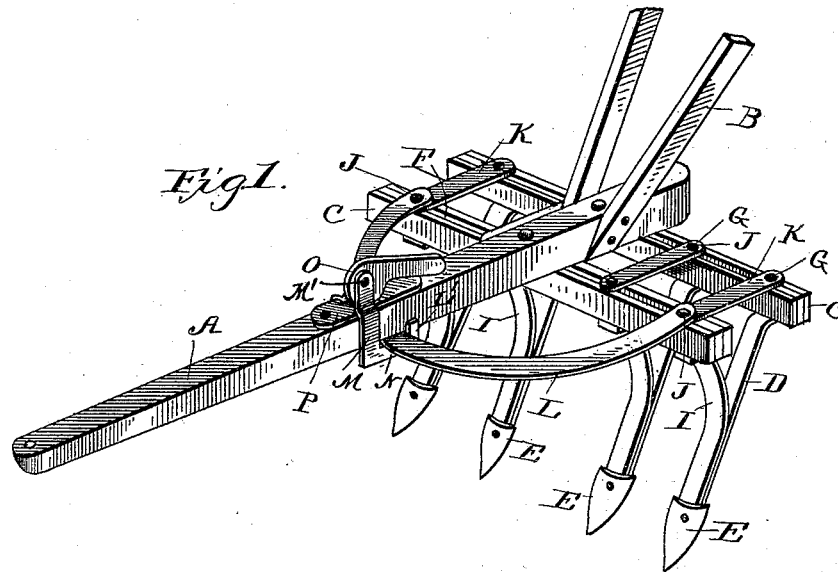


(No Model.)

E. POOLE.
CULTIVATOR.

No. 423,342.

Patented Mar. 11, 1890.



Witnesses

E. W. Wudeman

R. W. Bishop

By *his* Attorneys,

Inventor

Edward Poole

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

EDWARD POOLE, OF FORDYCE, ARKANSAS.

CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 423,342, dated March 11, 1890.

Application filed June 12, 1889. Serial No. 313,963. (No model.)

To all whom it may concern:

Be it known that I, EDWARD POOLE, a citizen of the United States, residing at Fordyce, in the county of Dallas and State of Arkansas, have invented a new and useful Cultivator, of which the following is a specification.

My invention relates to improvements in cultivators; and it consists in certain novel features hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a cultivator provided with my improvements. Fig. 2 is a side view of the same, and Fig. 3 is a plan view thereof. Fig. 4 is a transverse section through the tooth-bars.

The beam A and handles B are of the usual or any preferred construction and form no part of my invention. To the under side of the beam, at the rear end thereof, I pivot the tooth-bars C C, to which the standards D are secured. The cultivator-teeth or shovels E are secured to the lower ends of the standards, and may be of any desired construction. The tooth-bars C C are provided with longitudinal slots F F, and the standards are secured to the tooth-bars by means of bolts G, which are passed upward through the ends of the standards and the slot in the rear tooth-bar, as shown. The standards are braced by the upwardly and forwardly extending bars I, which have their lower ends secured to the lower ends of the standards and their upper ends secured to the front tooth-bar by means of bolts J, passing through their said front ends, and the slot F in the front tooth-bar. The bolts G J are connected by the links K, having their ends pivotally mounted on the said bolts, as clearly shown.

By means of the construction just described I am enabled to shift the standards along the tooth-bars, so as to adapt the shovels or cultivator-teeth to work on the sides of rows of different widths.

M represents a pair of opposite L-shaped stirrups, connected by a pin M' at their upper ends, the pair being mounted astride the beam A, just in front of the semicircular yoke L, a stirrup of the pair depending at each side of the beam and taking under the yoke, and terminating at its extremity in an upwardly-projecting lug L', extending in rear of the yoke.

Upon the pin M' there is loosely pivoted an ordinary cam locking-lever, the cam end of which is adapted to be bound upon a wearing-plate located between the stirrups and secured to the upper surface of the beam A.

From the foregoing description it will be seen that I have provided a cultivator which is composed of very few parts, is simple in its construction, and which can be readily adjusted to the width of the row and set to work at an angle of any desired degree.

In order to set the tooth-bars at an angle, the cam is raised, so as to release the yoke, after which the yoke is turned, thereby causing the tooth-bars to swing horizontally on their pivots, and so cause the shovels or cultivator-teeth to work at the desired angle. The cam is then turned downward, thereby drawing the bail upward, so that it will clamp the yoke against the under side of the beam. The yoke will thus be held in its adjusted position, so as to prevent the shovels swinging from the desired angle.

Having thus described my invention, I claim—

The combination, with the beam A, the parallel tooth-bars pivoted at their middles to the same, the plow-standards depending from said bars and the links connecting the same, of the forwardly-projecting semicircular yoke L, having its terminals connected to the ends of the forward tooth-bar, the opposite L-shaped depending stirrups M, connected at their upper ends by the pin M', and depending at each side of the beam A, and having their L ends N taking under the yoke L, and terminating in upwardly-disposed lugs L', embracing the inner edges of the yoke and acting to guide the same in its movement, and the cam-lever O, pivotally mounted upon the pin M', and adapted to be turned so as to bind upon the beam and draw the yoke against the under surface of the same, thereby locking it in position, substantially as specified.

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

EDWARD POOLE.

Witnesses:

B. H. GALLIGHER,
JACOB STONE.