G. A. PARSONS.

CULTIVATOR.

No. 183,202. Patented Oct. 10, 1876.

Fig. 1.

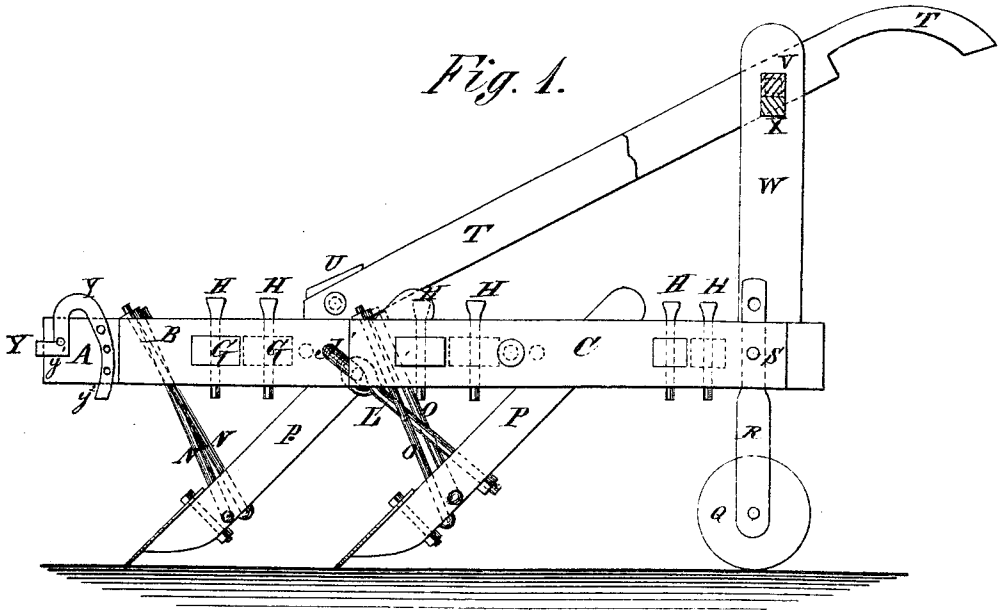
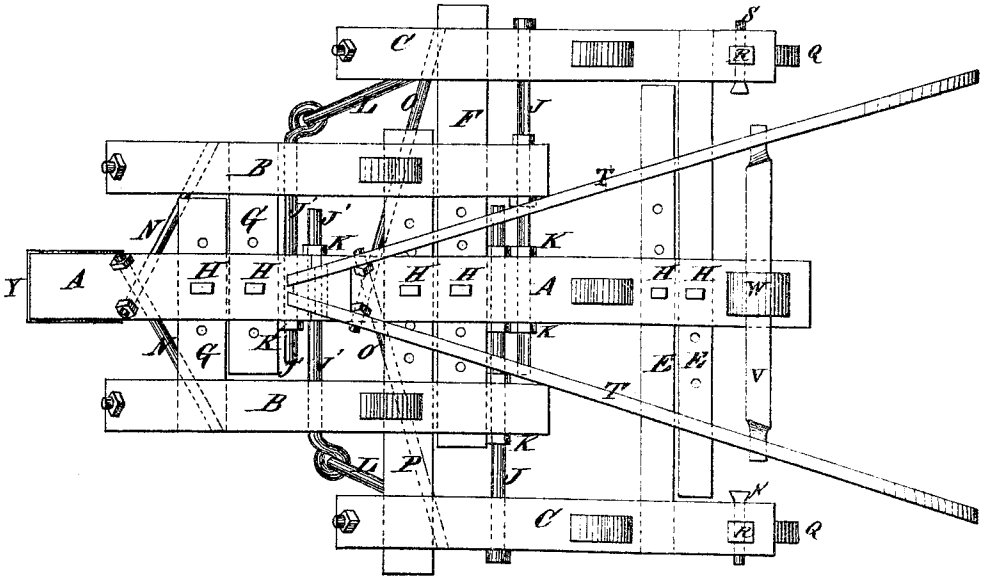


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GARLAND A. PARSONS, OF DOVER, ARKANSAS.

IMPROVEMENT IN CULTIVATORS.

Specification forming part of Letters Patent No. **183,202**, dated October 10, 1876; application filed July 31, 1876.

To all whom it may concern:

Be it known that I, GARLAND A. PARSONS, of Dover, in the county of Pope and State of Arkansas, have invented a new and Improved Cultivator, of which the following is a specification:

My invention consists of a contrivance for adjusting a gang-cultivator to set the plows at various distances apart, for adapting them for different conditions of the plants, and other conditions.

Figure 1 is a side elevation of my improved cultivator, and Fig. 2 is a plan view.

Similar letters of reference indicate corresponding parts.

A is the center beam; B, intermediate beams, and C outside beams, all carrying cultivator-plows D. The outside beams C have cross-bars E going through the middle beam A, as shown, and other beams F going through the middle beam A and the intermediate ones, B, and the latter have bars G going through the middle beam A, all being contrived to shift forward and backward laterally, and to fasten in different positions by the pins H, to set the plows as desired. Besides these bars there are also rods J J′, with adjusting-nuts K, as a further means of adjusting the plows. The rods J′ have braces L, connecting them at the outer end with the outer plows P, and the middle beam has braces N, connecting the intermediate plows, and also braces O, connecting the outer plows, all the braces being adjustable as to length by a nut at one end, to allow the plows to be shifted. The rear part of the machine is supported by wheels Q, the standards R of which pass up through holes in the rear ends of the side beams C, where they are secured by pins S, several holes being formed in the said standards to receive the said pins, to enable the wheels Q R to be adjusted to allow the plows to enter the ground to any desired depth. T are the handles, the forward ends of which are pivoted to a stud, U, attached to the center beam A, and their rear parts are connected by a round or bar, V. The bar V passes through a slot in the upper part of the standard W, where it is secured in place by a key, X, so that the height of the said handles may be adjusted by placing the key X above or below the said bar V. The lower end of the standard W is attached to the rear end of the center beam A. Y is the draft-clevis, the middle part of which is bent into U form, to pass around the forward end of the center beam A. The arms of the clevis Y are bent upward at right angles, and are then curved rearward and downward, as shown in Fig. 1. The clevis Y is secured to the beam A by a pin or bolt, y^1, that passes through its arms at their right angles, and by the pin or bolt y^2, that passes through one or another of the holes formed through the curved rear parts of the said arms, so that by adjusting the said bolt y^2 the point of draft attachment may be raised or lowered, to cause the plows to work deeper or shallower in the ground, as may be desired.

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

A cultivator-frame consisting of the central, intermediate, and outside plow-beams A B C, the beam B having the cross-bars G passing through beam A, and the beam C having cross-bars E F passing through both beams A B, substantially as and for the purpose specified.

GARLAND ANDERSON PARSONS.

Witnesses:

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