

T. I. TEAGLE.
CULTIVATOR.

No. 184,674.

Patented Nov. 21, 1876.

Fig. 1.

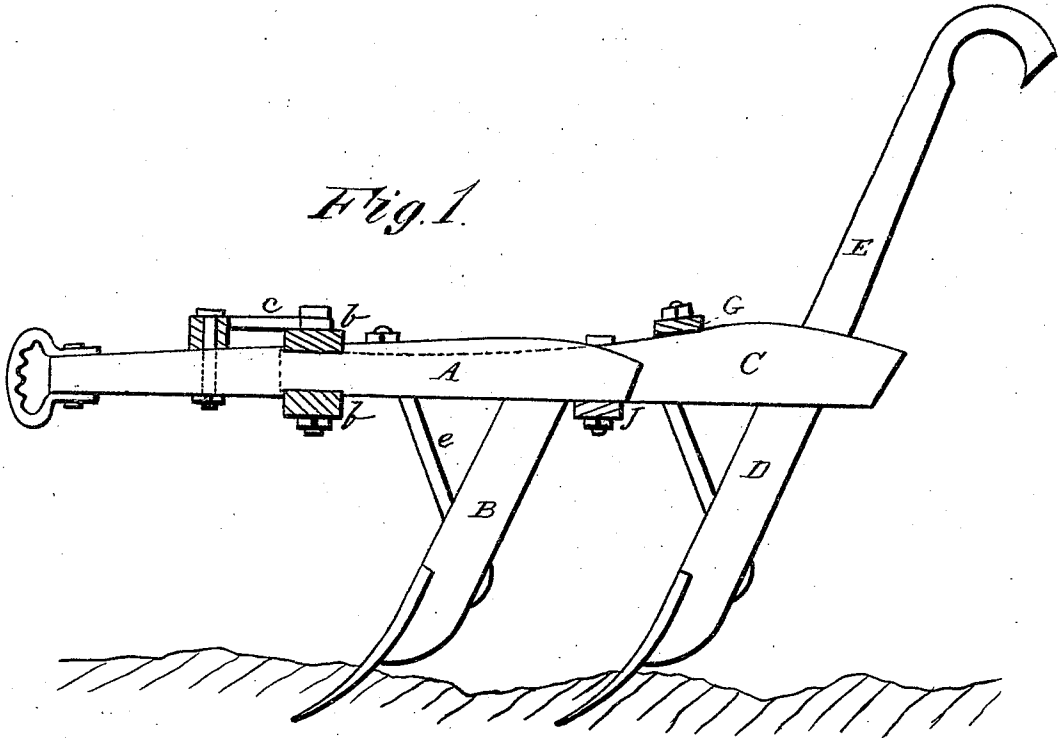
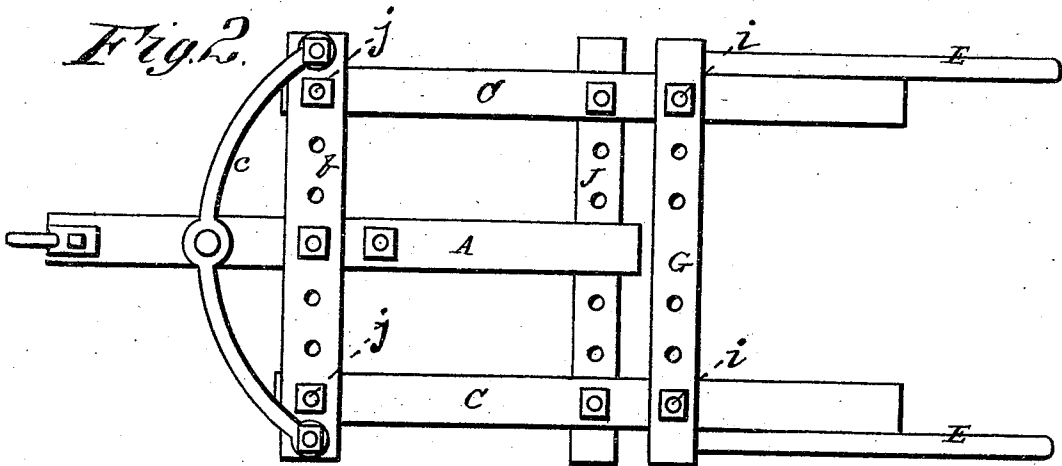


Fig. 2.



WITNESSES
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THOMAS ISAAC TEAGLE, OF INDEPENDENCE, MISSISSIPPI.

IMPROVEMENT IN CULTIVATORS.

Specification forming part of Letters Patent No. **184,674**, dated November 21, 1876; application filed July 3, 1875.

To all whom it may concern:

Be it known that I, THOMAS ISAAC TEAGLE, of Independence, in the county of Tate and State of Mississippi, 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 section of my cultivator, and Fig. 2 is a plan view of the same.

This invention has relation to machines for cultivating soil wherein three shovels are used in a gang, the front shovel being attached to a standard which is rigidly secured to the rear end of the draft-tongue; and the nature of my invention consists in pivoting the front ends of the two side shovel-carrying beams to cross-bars which are rigidly attached to the draft-tongue, in combination with a cross-bar which affords a back rest for the rear end of the draft-tongue, the said cross-bar and shovel-carrying beams being allowed to articulate, as will be hereinafter more fully explained.

In the annexed drawings, A designates the draft-tongue, to which is rigidly attached, at right angles, cross-bars *b b*, the upper one of which is sustained by the brace *c*, attached rigidly to the tongue, and at its extremities to the upper bar. Near the rear end of the draft-tongue A is rigidly attached a shovel-carrying standard, B, sustained against backward strain by a brace, *e*. C C designate beams, which are pivoted at their front ends between the two cross-bars *b b*, near their outer ends, so that their rear ends will have free lateral vibration. Near the rear ends of these beams shovel-carrying standards D are rigidly attached, also handles E E. The beams C C are connected together near their rear ends by means of a cross-bar, G, which bar is pivoted to said beams for the purpose of allowing free lateral vibration, thus enabling the attendant to guide the shovels along the rows of plants.

J designates a cross-bar, which is pivoted at its ends to the under side of the beams C

C, and which is arranged in such relation to the draft-beam that it serves as a support for the rear end of said beam, and at the same time allows the draft-tongue to slide fully upon it. This bar J not only serves to support the rear end of the draft-tongue, but also holds the beams C in the same relative position when they are thrown to the right or left, and relieves the bolts *i*, whereby the said beams are pivoted to brace G, of no inconsiderable strain.

Beams C, being pivoted between the transverse bars *b b*, secured to the draft-tongue A above and below the same, will be prevented from all vertical vibration, whereby the bolts *j*, pivoting the said bars C to the spaced bars *b*, would be bent or broken.

The facility with which the beams C are thrown to the right or left is thus greatly increased, and the wear of the bolts upon the perforated ends of the said beams greatly diminished.

It will be seen that bar J resists the pressure downward of the tongue, and prevents displacement thereof when the machine is in operation, and thus prevents strain on the pivots of beams C C.

I am aware that it is not new to adjust the outside shovels of a cultivator laterally or radially, as shown in Letters Patent granted to J. D. Lynch, dated July 28, 1874, No. 153,586, and I, therefore, lay no claim to such invention.

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

In a cultivator, the combination, with the adjustable side beams C C and the upper and lower transverse connecting-bars G J, of the upper and lower front transverse bars *b b* and the central draft-beam A, extended in rear to rest on the lower or transverse bar J, connecting said side beams, substantially as specified.

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

THOMAS ISAAC TEAGLE.

Witnesses:

P. TRAUTHAM,
F. O. ALLEN, Jr.,