

(No Model.)

T. G. TASKER.
CULTIVATOR.

No. 372,500.

Patented Nov. 1, 1887.

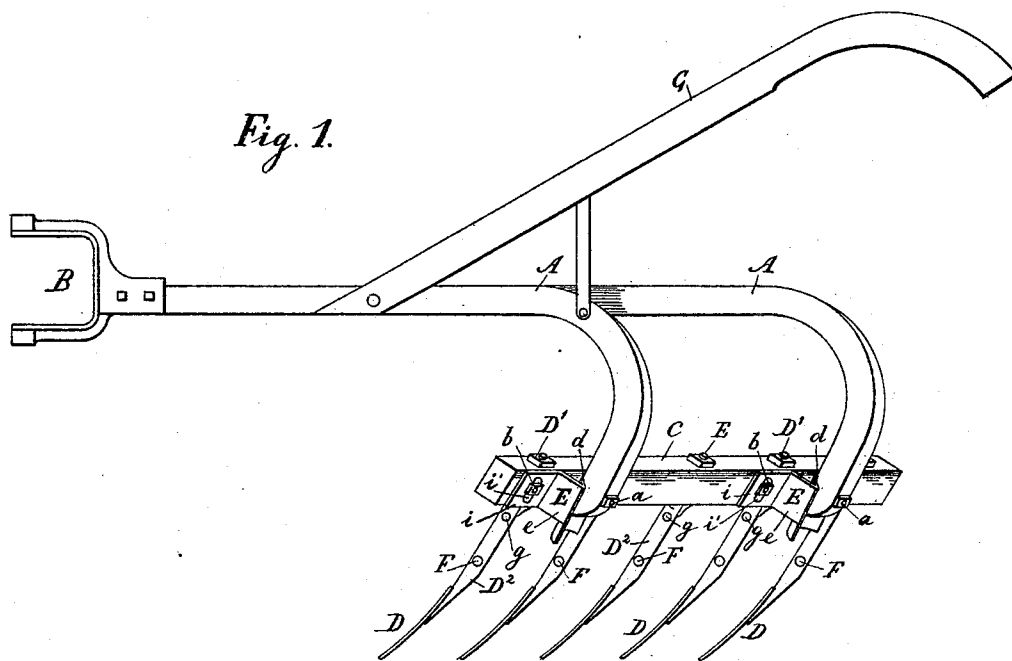


Fig. 2.

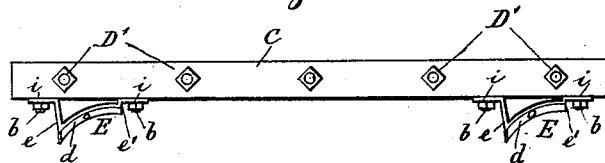


Fig. 5.

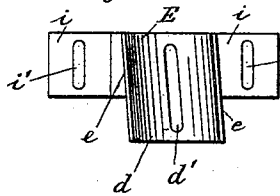


Fig. 4.

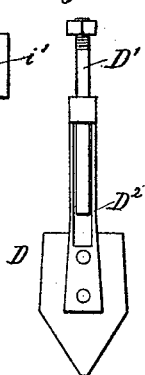
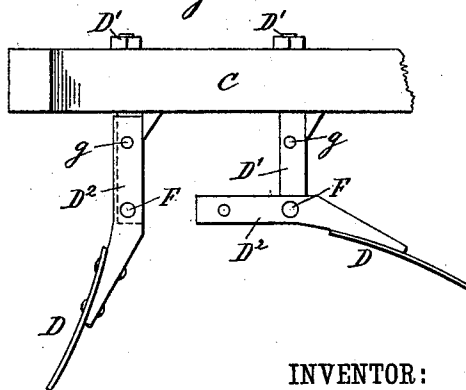


Fig. 3.



WITNESSES:
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THOMAS G. TASKER, OF ONSLOW, IOWA.

CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 372,500, dated November 1, 1887.

Application filed July 1, 1887. Serial No. 243,086. (No model.)

To all whom it may concern:

Be it known that I, THOMAS G. TASKER, of Onslow, in the county of Jones and State of Iowa, have invented certain new and useful Improvements in Cultivators, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of one-half of a straddle-row cultivator having my invention applied thereto. Fig. 2 is a plan view of the cultivator-head. Fig. 3 is an enlarged perspective view of a part of the cultivator-head, showing two of the plows and plow-shanks, one with the safety-pin broken. Fig. 4 is a rear elevation of one of the plow points and shanks, and Fig. 5 is a perspective view of one of the plates for attaching the head to the cultivator-beams.

The invention will first be described in connection with the drawings, and then pointed out in the claim.

In order to properly illustrate my invention, I have shown in the drawings one-half of an ordinary straddle row cultivator, in which A A represent two bent cultivator-beams of different lengths, bolted to the axle-clip B in the usual manner. C represents the cultivator-head bar, to which the plow-points D D are attached. The bar C may be of wood or metal, and is attached to the ends of the beams A by bolts *a a*, which, instead of being passed through the bar C in the usual manner, pass through said beams and through angle-plates E E, secured to the rear surface of the bar C by the bolts *b b*. The plates E E are bent to form the breast-piece *d*, the straight shoulders *e e'*, the latter shorter than the former, and the plates *i i*, which are slotted, as shown at *i'*, for the passage of the bolts *b b*.

The breast-piece *d* stands at an angle to the bar C to suit the slant caused by reason of one of the beams A being shorter than the other, so that when the bar is attached to the beams by the plate E and bolts *a* a perfectly secure and convenient connection will be effected. The breast-pieces *d* are slotted, as shown at *d'*,

for the bolts *a*, and these slots are made of considerable length to permit the bar C to be adjusted vertically at the points of connection to the beams A A. The slots *i'* are also made of considerable length to permit the plate to be adjusted vertically on the bar C. The said bar C is provided with the shanks D', to which the lower point-shanks, D², are pivoted upon the strong pins F. The shanks D² are boxed to inclose the shanks D', and are held at their upper ends by wooden pins *g*, as shown clearly in Figs. 1 and 3, so that in case the plow-point strikes a solid obstruction the strain will break the pin *g* and permit the point and point-shank to turn on its pivot F, and thus obviate all danger of serious injury to the cultivator.

The beams A A are provided with a handle, G, and there will be in the complete cultivator a duplicate set of beams A, head-bar C, and plow-points to run upon the opposite side of the row, as in all cultivators of this class, and by constructing the cultivator as described the plow-points follow each other and are all permanently connected, so that they are more effective in tilling the ground than where the beams are independent and have independent points and a much better control is given to the points, so that the plowman can do better work than with the ordinary form of cultivator.

By the use of the plates E E for connecting the bar C with the beams A the bar C and points may be applied to cultivators already in use, as by means of the plates E the cultivators can be adjusted to any beam.

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

The plates E, secured to the rear surfaces of the bar C, and each formed with the diagonal breast-piece *d*, slotted at *d'*, and the side plates, *i*, slotted at *i'*, in combination with the several beams A, of different lengths, substantially as described.

THOMAS G. TASKER.

Witnesses:

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J. B. LYON.