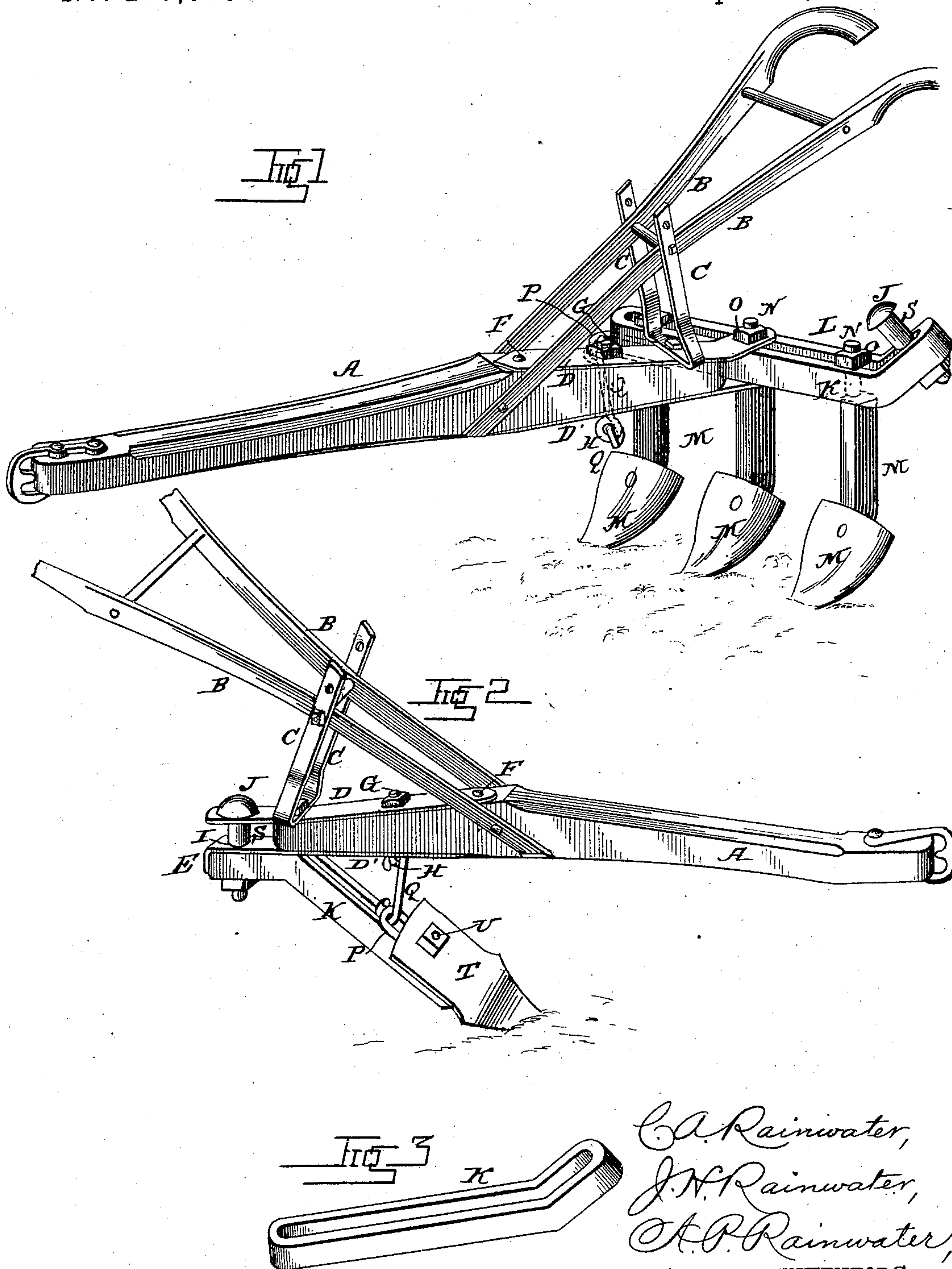


(No Model.)

C. A., J. H., & A. P. RAINWATER.
CULTIVATOR.

No. 285,073.

Patented Sept. 18, 1883.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES ALLISON RAINWATER, JOSEPH HENRY RAINWATER, AND ALMARINE PEEK RAINWATER, OF VEAZEY, GEORGIA.

CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 285,073, dated September 18, 1883.

Application filed June 21, 1883. (No model.)

To all whom it may concern:

Be it known that we, CHARLES A. RAINWATER, JOSEPH H. RAINWATER, and ALMARINE P. RAINWATER, citizens of the United States residing at Veazey, in the county of Greene and State of Georgia, have invented a new and useful Cultivator, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to an improved convertible plow and cultivator; and it consists in certain improvements in the construction of the same, having for their objects to produce a device which shall possess superior advantages in point of simplicity, durability, and general efficiency, as will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, Figure 1 is a perspective view of our improved cultivator. Fig. 2 is a perspective view, showing the same converted into a plow; and Fig. 3 is a detail view.

The same letters refer to the same parts in all the figures.

A in the drawings designates the beam, which is provided with handles B B, connected thereto in the usual manner by braces C C. To the upper and under sides of the said beam are secured plates D D', extending in rear of the beam, the lower plate, D', being provided at its rear end with a downturned hook, E. The plates D and D' are secured to the beam by vertical bolts F F and G, the latter of which is provided with an eye, H, at its lower end. The rear projecting ends of the plates D and D' are also provided with openings I, adapted to receive a bolt, J, as will be presently set forth.

K is a beam or bar, one end of which is turned in an upward direction at an angle to the body of the said bar, which is provided with a vertical slot, L, extending throughout its entire length.

M M are the cultivator-teeth, which may be of any suitable construction, and which are provided with shanks N, of sufficient length

to extend through the slot L in the body of the bar K, and be secured above the latter by means of a nut or nuts, O. The shank of one of the teeth, usually the middle one, passes through the perforations in the rear ends of the plates D D', between which the cultivator bar or beam K is thus secured.

P is a ring or link adjusted upon the shank of the front tooth M, and connected by a hooked rod, Q, with the eye H at the lower end of the bolt G. In this manner the bar K is held steadily and securely at the required angle to the beam during operation of the device.

The device may, when desired, be converted into a plow. This is done in the following manner: The teeth M M are detached from the bar K, and the latter removed from its position between the rearwardly-projecting ends of the plates D D'. The upturned end of bar K is then placed under the rear end of the lower plate, D', with the hooked end of the latter adjusted in the slot L, as clearly shown in Fig. 2 of the drawings. A bolt, J, is then passed through the slot L and up through the perforations I in the plates D D', between which a sleeve, S, is adjusted upon the said bolt, in order to prevent the plates D D' from being drawn together when the nut is tightened upon the said bolt. Upon the lower end of the bar K, which now forms the plow-stock, the plow T is secured by means of a bolt, U, passing through the link P, which is connected, as before, by the hooked rod Q with the eye H of bolt G, thus serving to brace the plow-stock against the strain to which it will be subjected.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation and advantages of our invention will be readily understood. It is simple, convenient, easily manipulated, and may be readily changed from one to another of the several forms herein shown and described.

We claim as our invention and desire to secure by Letters Patent of the United States—
The combination of the beam A, having

plates D D' extending in rear of the same, the lower plate being provided with a downturned hook, E, with the beam or bar K, having up-
turned end, and a slot extending through its
5 entire length, and adapted to be changed for use either as a cultivator or shovel-plow, as set forth.

In testimony that we claim the foregoing as

our own we have hereto affixed our signatures in presence of two witnesses.

CHARLES ALLISON RAINWATER.

JOSEPH HENRY RAINWATER.

ALMARINE PEEK RAINWATER.

Witnesses:

L. J. AYCOCK,

JESSE P. WILSON.