(No Model.)

E. POOLE.

CULTIVATOR.

No. 410,648. Patented Sept. 10, 1889.

Fig. 1.

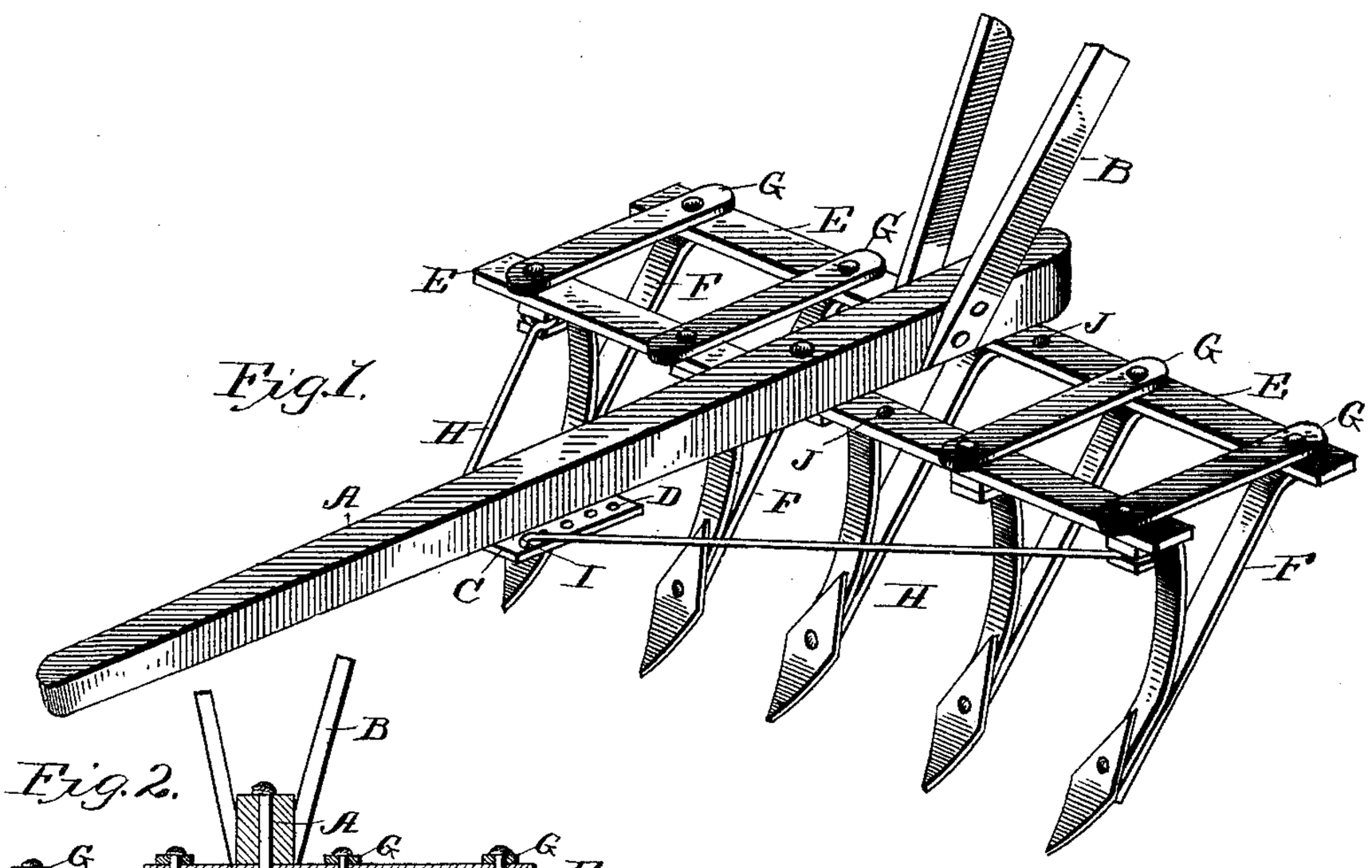


Fig. 2.

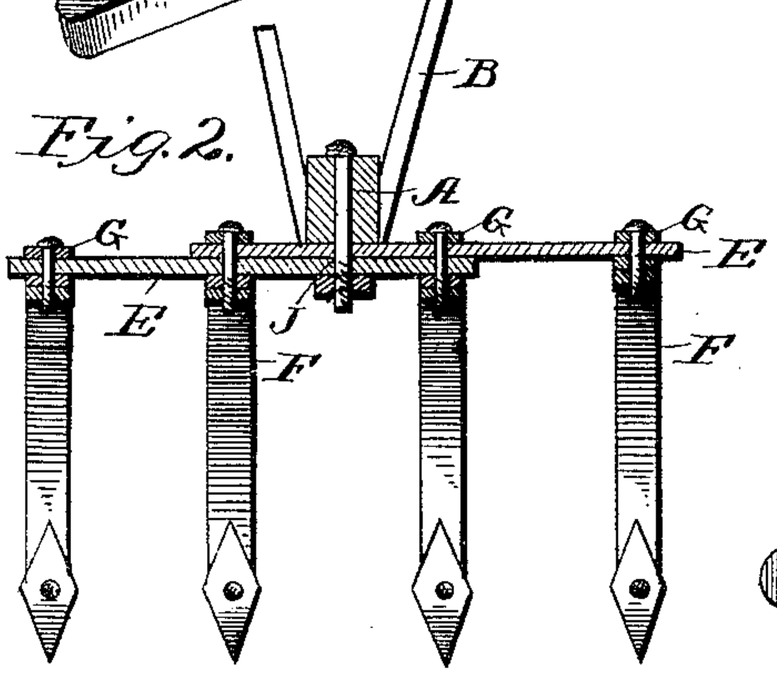


Fig. 3.

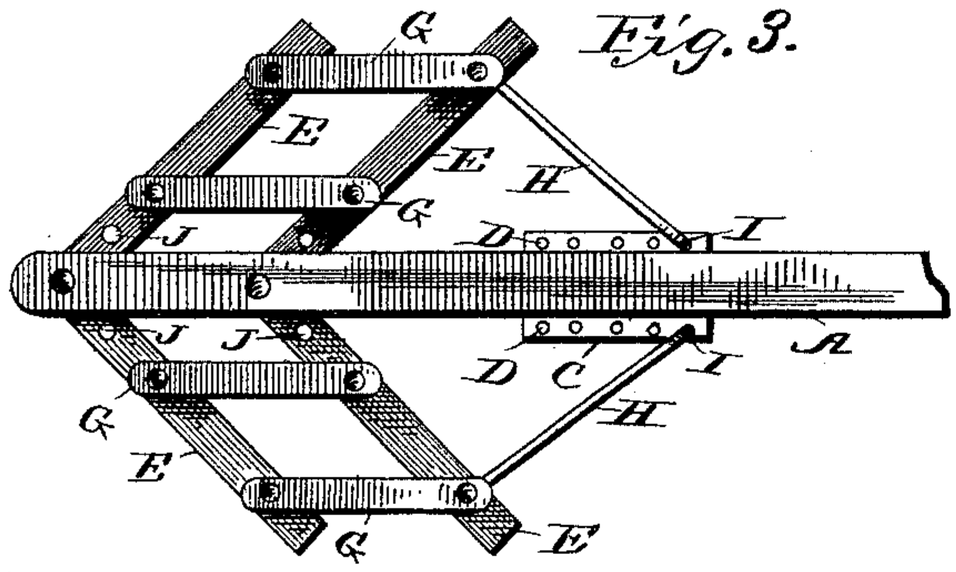
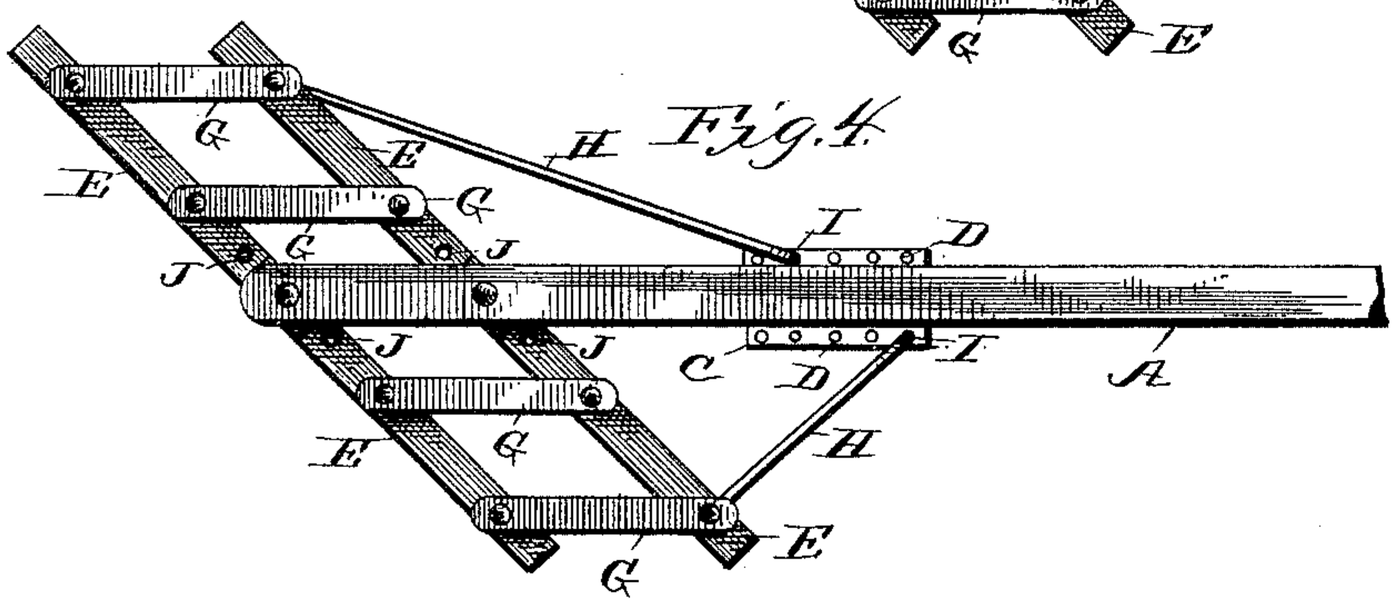


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

EDWARD POOLE, OF FORDYCE, ARKANSAS.

CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 410,648, dated September 10, 1889.

Application filed June 12, 1889. Serial No. 313,964. (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 and Harrow, of which the following is a specification.

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

In the annexed drawings, Figure 1 is a perspective view of my improved device. Fig. 2 is a vertical section of the same, and Figs. 3 and 4 are plan views showing different positions of the tooth-frames.

In carrying out my invention I employ a beam A, of ordinary construction, to the rear end of which the usual handles B are secured. To the under side of the beam, and a suitable distance in advance of the rear end of the same, I secure the plate C, the side edges of which project beyond the sides of the beam and are provided with longitudinal series of perforations D. At and near the rear end of the beam, and to the under side of the same, I pivotally secure the tooth-bars E, to which the standards F are pivoted, and which are connected by the links G, as clearly shown. The standards are formed with double arms, as shown, which arms are made integral by bending up a single piece of metal. Locking arms or braces H have their rear ends pivoted to the tooth-bars and their front ends bent to form hooks I, which are adapted to engage the perforations D. These locking arms or braces are made in two lengths, as clearly shown, so as to lock the tooth-frames in their adjusted positions. The tooth-bars E have their inner ends overlapping and have a common pivotal connection with the beam, and they are further provided near their inner ends with the bolt-holes J, the purpose of which will hereinafter appear.

From the foregoing description it will be seen that I have provided a cultivator which is composed of very few parts and which can be quickly adjusted to perform work of any desired character. The device can be adjusted to provide a V-shaped cultivator and throw the dirt toward the center or toward the sides by carrying the locking-arms forward or rearward and engaging them in suitable ones of the perforations. When the frames are brought forward, the shorter locking-arms will be used, and when they are swung backward the longer arms will be used. The device can be adjusted to a narrow row and also arranged to be used as a double-shovel plow by removing the middle tooth and then pushing the two frames inward until the second tooth engages the bolt-hole in the end of the tooth-bar, when the securing-bolts can be inserted through the bolt-holes J to secure the tooth-bars to the beam.

My device is very simple in its construction and its advantages are thought to be obvious.

Having described my invention, I claim—

The combination, in a cultivator, of the central beam, the tooth-bars arranged in pairs, pivoted to the beam by a common pivot, and adapted to overlap, the links pivoted to the tooth-bars, the standards having double arms formed integral, as shown and described, and having their arms pivoted to the tooth-bars by the bolts which pivot the links thereto, the perforated locking-plate, and the locking-arms pivoted to the front tooth-bars and engaging the locking-plate, as set forth.

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 STORER.