OGBORN & TAYLOR.

Wheel-Cultivator.

No. 17,909. Patented July 28. 1857.

Fig. 2.

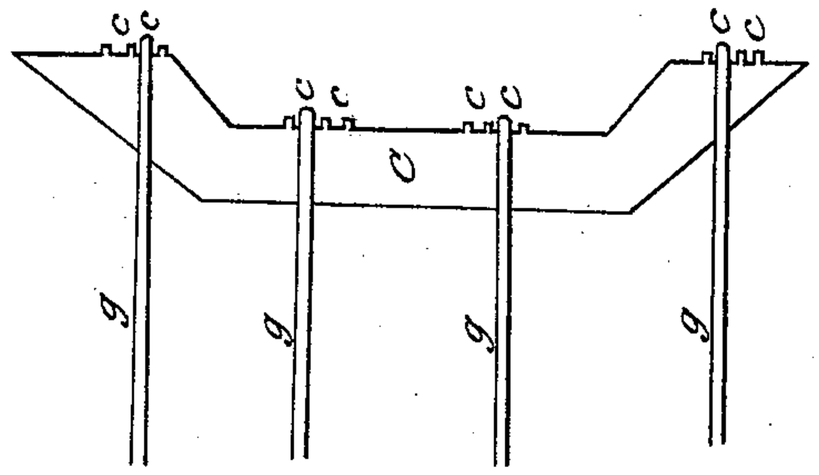

Fig. 1.

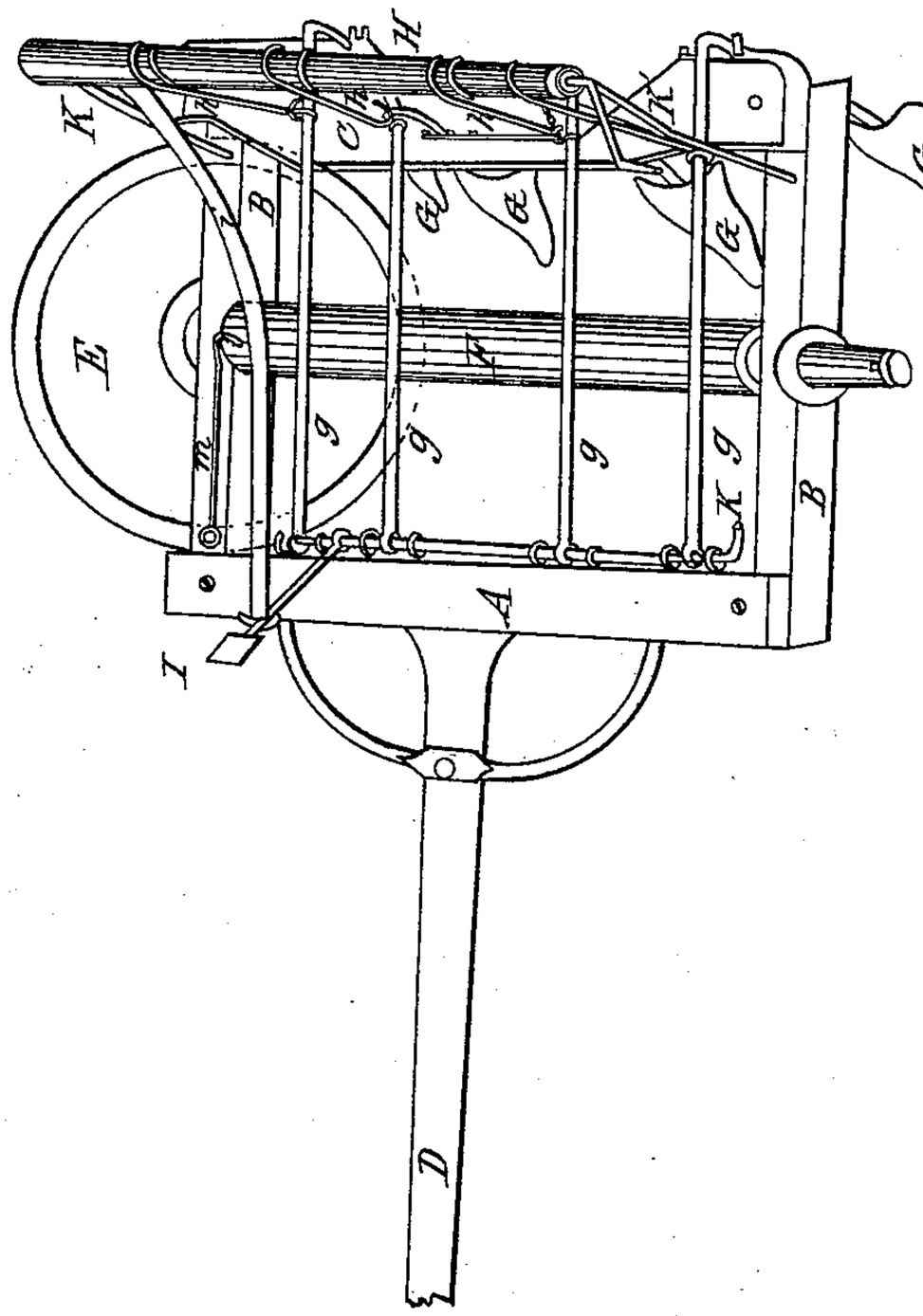

Fig. 3.

UNITED STATES PATENT OFFICE.

HARRISON OGBORN, OF GREEN'S FORK, AND GEORGE TAYLOR, OF RICHMOND, INDIANA, ASSIGNORS TO HARRISON OGBORN.

IMPROVEMENT IN CULTIVATORS.

Specification forming part of Letters Patent No. **17,909**, dated July 28, 1857.

To all whom it may concern:

Be it known that we, HARRISON OGBORN, of Green's Fork, county of Wayne, and State of Indiana, and GEORGE TAYLOR, of the city of Richmond, in the county of Wayne and State of Indiana, have invented a new and useful Machine for Plowing Corn; and we 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, in which—

Figure 1 is a perspective view of the machine, the driver's seat and one wheel being removed to show the arrangement of parts more perspicuously. Fig. 2 shows the relation of the beams *g* with the guide-bar C. Fig. 3 is a section of axle F, showing the eccentricity of the spindles.

A B B C constitute the frame of the machine. These parts should be permanently framed together in any suitable manner. The cross-bar A receives the tongue or perch on its front side. Upon its rear are driven staples for the retention of the rod K. The sides B B receive spindles of the shaft F. The bar C is shaped, as shown in Fig. 2, so as to accommodate plow-beams *g g g g* of different lengths. It has also two sets of middle guides, *c c*, to allow of adjustment of the plows to or from the plants.

D is a pole or tongue; E, one of the carriage-wheels; F, an axle with eccentric spindle. It answers a double purpose—viz., as an ordinary axle, and also an eccentric for gaging the depth of the plows. It is retained in any desirable position by spring-catch *m*.

G G G G are plows of any ordinary form. H is a windlass by means of which the plow-beams *g* are lifted.

I is a treadle connected with windlass H by means of strap *i*, and by means of which the driver is enabled to lift the plows with his foot.

h h h h are cords connecting windlass H with plow-beams *g g g g*.

k k are supports to windlass H.

K is a rod retaining plow-beams *g g g g*.

Operation: This plow is drawn by two horses, one passing on each side of the row of corn, two of the plows also passing on each side of the row, and the machine striding over the corn. The treadle is used at each end of the row to lift the plows while turning, and also while passing over any obstruction.

This invention, though at first sight apparently similar in one of its particulars to the claim of D. B. Rogers, is yet quite dissimilar in this particular, that whereas he uses a crank axle-tree in combination with a cultivator-frame, we claim an eccentric axle in combination with plow-beams *g g g g*.

Now, we do not claim the combination of a crank axle-tree extending across the center of the frame, on the ends or cranks whereof are mounted the sustaining-wheels, the same being for the purpose of raising and lowering the frame of the cultivator, as shown and described in D. B. Rogers' patent of January, 1849; but

We do claim as new and useful and desire to secure by Letters Patent—

The combination of plow-beams *g g g g* with the eccentric axles F, in the manner and for purposes herein set forth.

HARRISON OGBORN.
GEORGE TAYLOR.

Attest:
A. N. NEWTON,
JOHN FINLEY.