

T. B. FAGAN.
SULKY GANG-PLOW.

No. 182,569.

Patented Sept. 26, 1876.

Fig. 1.

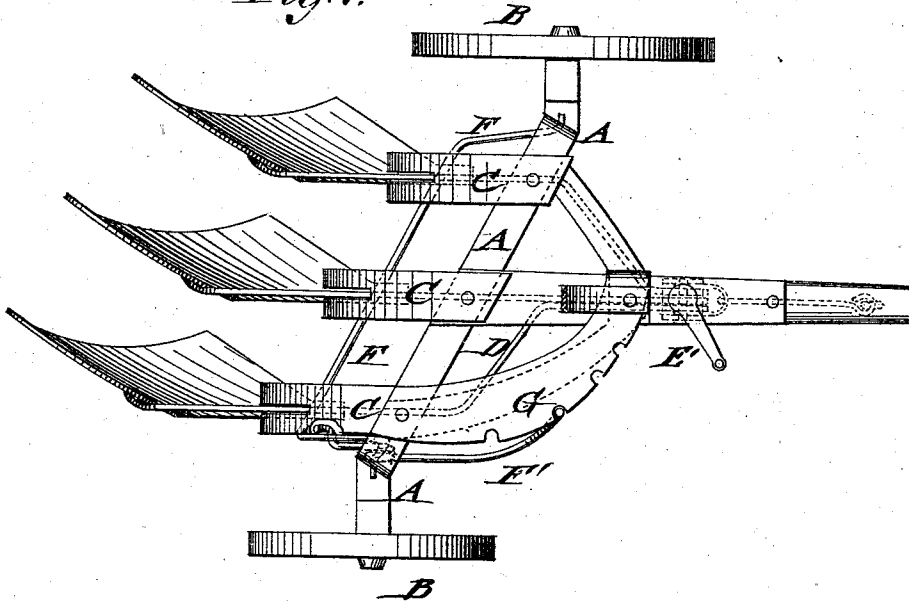
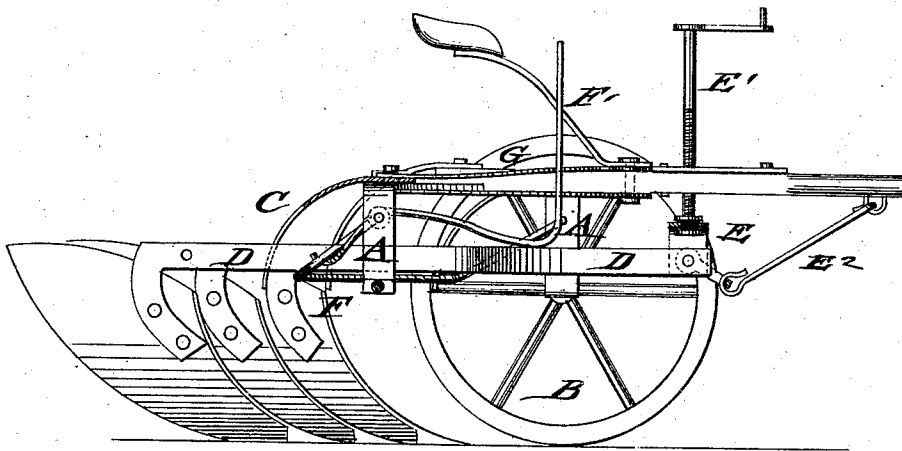


Fig. 2.



WITNESSES:

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THOMAS B. FAGAN, OF VAN WERT, OHIO.

IMPROVEMENT IN SULKY GANG-PLOWS.

Specification forming part of Letters Patent No. **182,569**, dated September 26, 1876; application filed August 7, 1876.

To all whom it may concern:

Be it known that I, THOMAS B. FAGAN, of Van Wert, in the county of Van Wert and State of Ohio, have invented a new and Improved Sulky Gang-Plow, of which the following is a specification:

In the accompanying drawing, Figure 1 is a top view, and Fig. 2 a side view, of my improved sulky gang-plow.

Similar letters of reference indicate corresponding parts.

The invention relates to an improved sulky gang-plow of simple and strong construction; and consists of a bent axle placed at an oblique angle to the tongue, and arranged with fixed slotted guide-arms for the plow-beams that are set to greater or less depth by a clevis and crank-screw connection. A lateral crank-bar is pivoted to the axle, and extended across below the plow-beams to raise or lower the same by a hand-lever and notched arc-shaped rack.

In the drawing, A represents the axle of my improved sulky gang-plow, which is rigidly attached and braced at an oblique angle to the tongue, the ends of the axle being first bent downward, and then outward at right angles to the axis of the gang-plow. The wheels B are applied to the ends of the axle, one wheel being larger than the other for the purpose of running the plows level when at work. Curved guide-bars C are rigidly attached to the axles, and extended back of the same in a direction parallel to the tongue. The guide-bars C are slotted from the ends upward for the beams D of the plows, as many guide-bars C being arranged as there are plows. The slotted guide-bars serve to retain the plow-beams at any depth in rigid position. The plows are applied to the rear ends of the beams D, and may be provided

with cutters that prevent the plows from catching on stones or roots while at work.

The plows are rigidly secured and braced to the beams, and operated jointly by means of a clevis, E, applied to the front ends of the beams, which are bent to meet at the clevis-joint, and by a crank-screw, E¹, that passes through the tongue suitably to be readily turned by the driver. The plows are thereby set to greater or less depth, as required. The clevis E is further connected by a pivot-link and hitch-rod, E², to tongue to pull on the plows. The beams are so hinged to clevis that each may work independently of the other for clearing obstructions, &c.

A lateral crank-bar, F, is pivoted to axle, and passed below the plow-beams from one side to the other. The crank-bar F is operated by a hand-lever, F', so as to raise the plows out of the ground or lower them.

The hand-lever F is set into notches of an arc-shaped rack or guide bar, and retains thereby the plows in position. The hand-lever is also conveniently operated by the driver, who controls by the same and the crank-screw the gang-plow with great facility from his seat.

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

In a sulky gang-plow, the combination of the axle secured obliquely to the tongue, and of curved and slotted guide-bars attached thereto, with the swinging plow-beams, substantially in the manner and for the purpose set forth.

THOMAS B. FAGAN.

Witnesses:

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