

J. R. McCORMICK.  
GANG-PLOW.

No. 171,299.

Patented Dec. 21, 1875.

Fig. 1

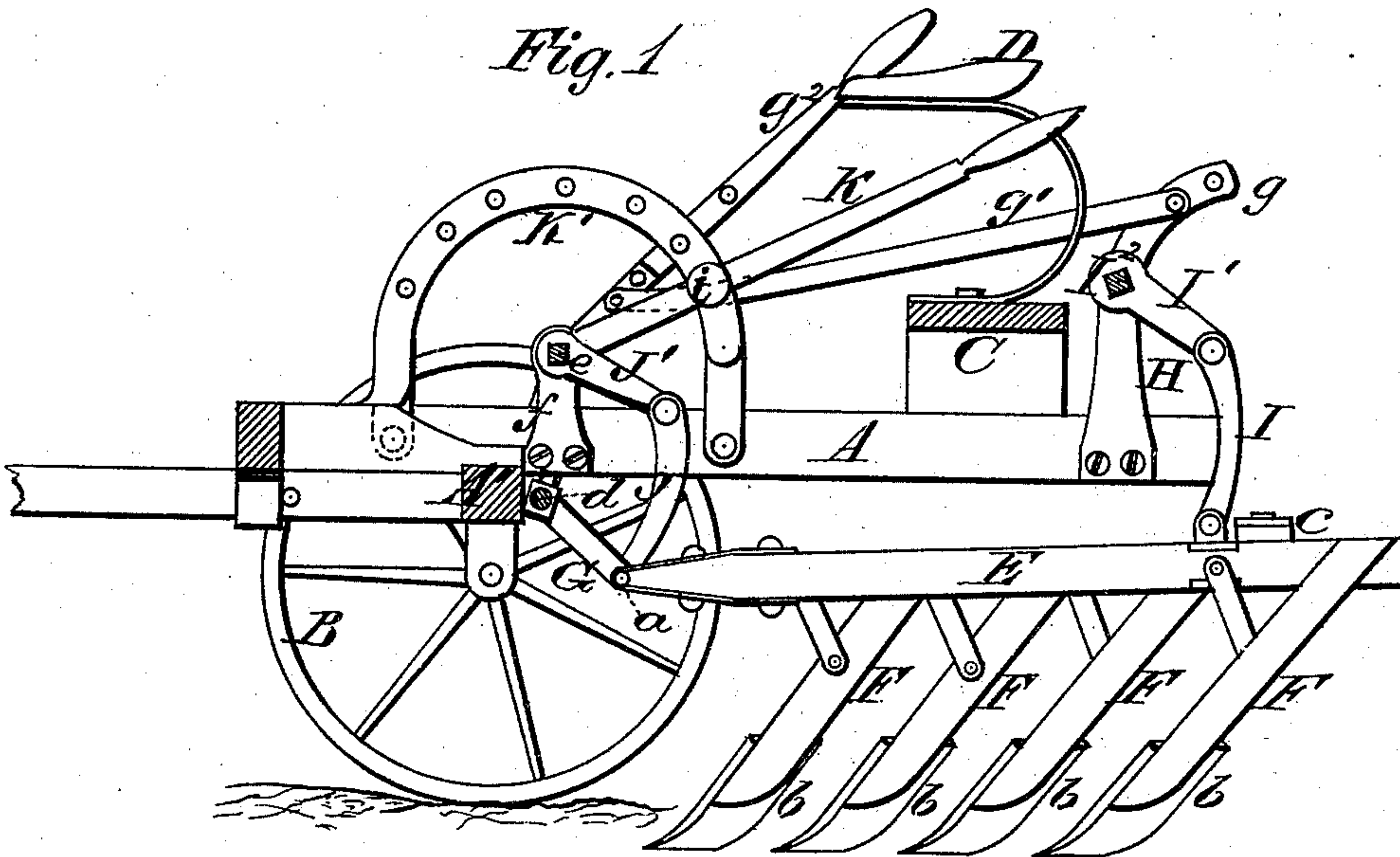
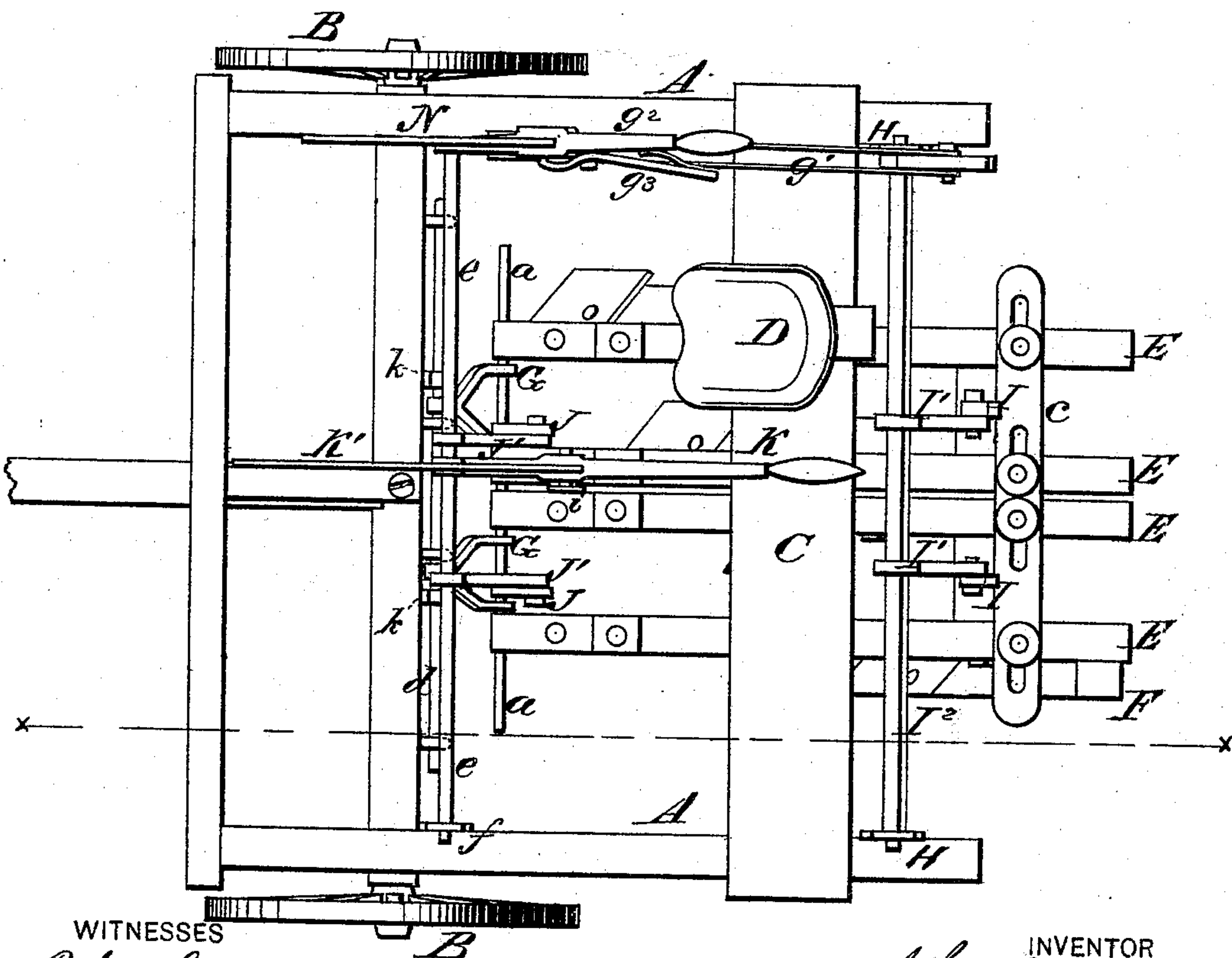


Fig. 2



WITNESSES

Robert Everett  
Byron H. Morse

INVENTOR

John R. McCormick,  
Chipman & Co.

ATTORNEYS



# UNITED STATES PATENT OFFICE.

JOHN R. McCORMICK, OF GEORGETOWN, TEXAS.

## IMPROVEMENT IN GANG-PLOWS.

Specification forming part of Letters Patent No. **171,299**, dated December 21, 1875; application filed October 9, 1875.

*To all whom it may concern:*

Be it known that I, JOHN ROBERT McCORMICK, of Georgetown, in the county of Williamson and State of Texas, have invented a new and valuable Improvement in Gang-Plows; and I 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, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a longitudinal vertical section of my gang-plow, and Fig. 2 is a plan view thereof.

This invention has relation to gang-plows, which are designed for breaking up the land as well as for cultivating growing plants; and the nature of my invention consists in a novel means of hanging the gang of plows beneath the draft-frame, in combination with levers and link-connections, whereby the plows can be adjusted to run at any desired depth, and firmly held after the adjustment, as will be hereinafter explained.

The invention further consists in providing for giving lateral adjustment to the plow-beams, in combination with levers and links for adjusting said beams vertically, as will be hereinafter explained.

In the annexed drawings, A designates a rectangular frame, and A' the axle of two transporting-wheels, B B, on which said frame is mounted. C is an elevated support, arranged near the rear end of the draft-frame, near one end of which support is a driver's seat, D. E E E E designate four beams, which articulate about a horizontal transverse bar, *a*, and have standards F rigidly secured to them, carrying reversible plow-blades *b*. These beams E are adjustable laterally, and are rigidly secured together for operation by means of bolts passed through a slotted bar, E', near their rear ends. The bar *a* has its bearing in the rear ends of bifurcated connections G, which articulate about a rod, *d*, held by eye-bearings fixed to the axle A'. The two connections G G are prevented from lateral displacement by means of blocks

and set-screws *k*, and by loosening the set-screws of the blocks the connections G are free to be adjusted on the rod *d*. A rod, *e*, extends transversely across the draft-frame A, and is supported at its ends by standards *f*. This rod *e* is rectangular in cross-section, and has applied on it two arms, J' J', and two hand-levers, K *g*<sup>2</sup>. The arms J' J' are adjustable on the rod *e*, and their free ends are connected by links J to the bar *a*. By moving the lever K forward or backward the front ends of the plow-beams can be raised or depressed, and by means of a pin, *i*, and a perforated sector, K', lever K can be rigidly fixed when properly adjusted. I<sup>2</sup> designates a transverse shaft, which has its bearings in standards H, rising from the side beams of frame A near their rear ends. This shaft I<sup>2</sup> is rectangular in cross-section, and two arms, I<sup>1</sup> I<sup>1</sup>, are laterally adjustable on it, which arms are connected by links I to cross-pieces between the plow-beams E. An arm, *g*, is also applied on the shaft I<sup>2</sup>, which arm is connected to the lever *g*<sup>2</sup> by means of a rod, *g*<sup>1</sup>. It is by means of lever *g*<sup>2</sup> that the driver can raise and depress the rear ends of the plow-beams. A latch-lever, *g*<sup>3</sup>, and a sector, N, are designed for enabling the driver to lock the plow-beams in proper position after adjustment.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a gang-plow, the beams E, pivoted to the rod *a*, in combination with the bifurcated connections G, adjustable on rod *d*, links J, adjustable arms J', and lever K, substantially as described.

2. In combination with the front adjusting devices described, the links I, adjustable arms I<sup>1</sup> on shaft I<sup>2</sup>, arm *g*, connecting-rod *g*<sup>1</sup>, and adjusting-lever *g*<sup>2</sup>, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN ROBERT McCORMICK.

Witnesses:

W. K. MAKEMSEN,  
J. J. ROBERTSON.