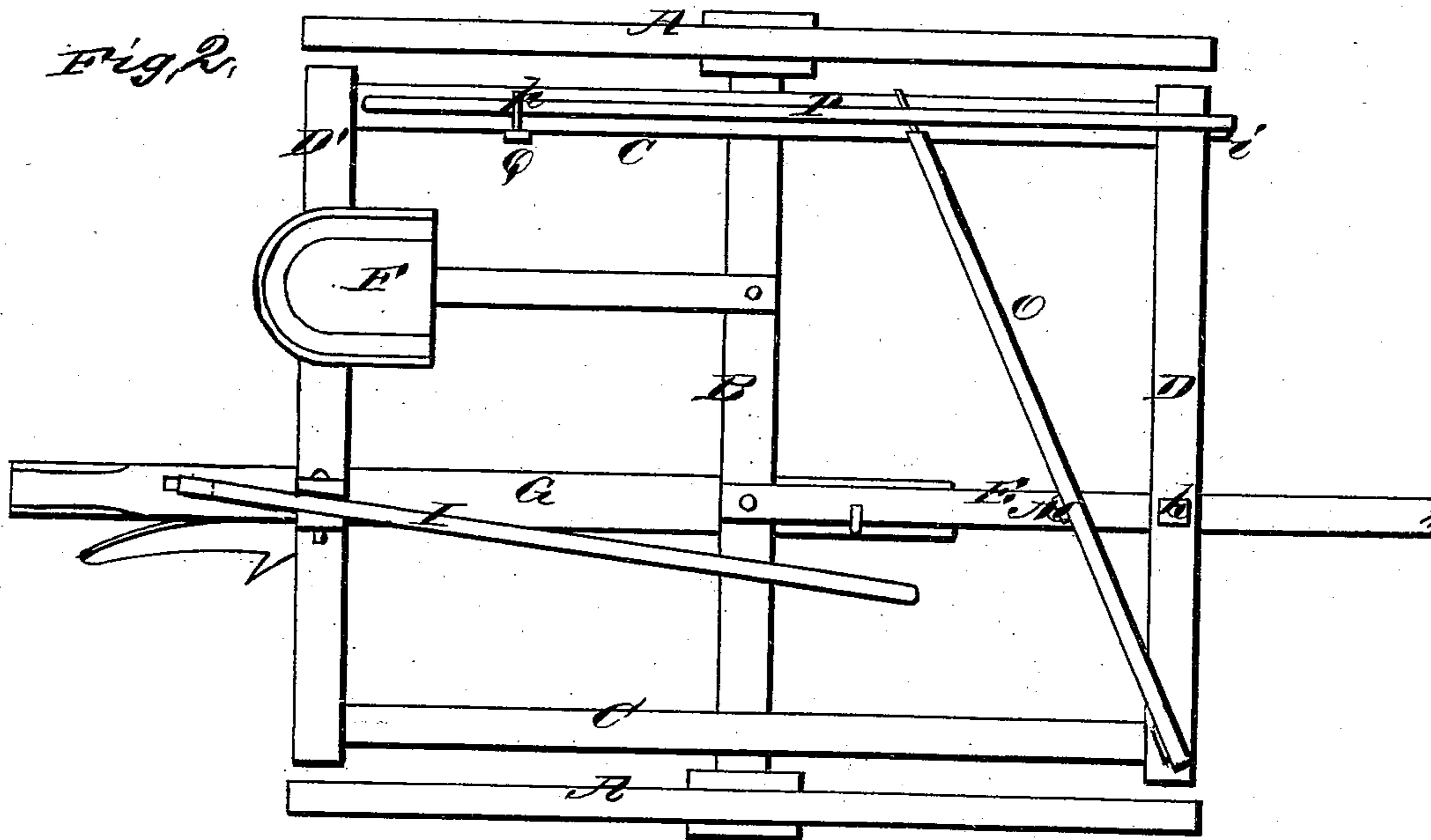
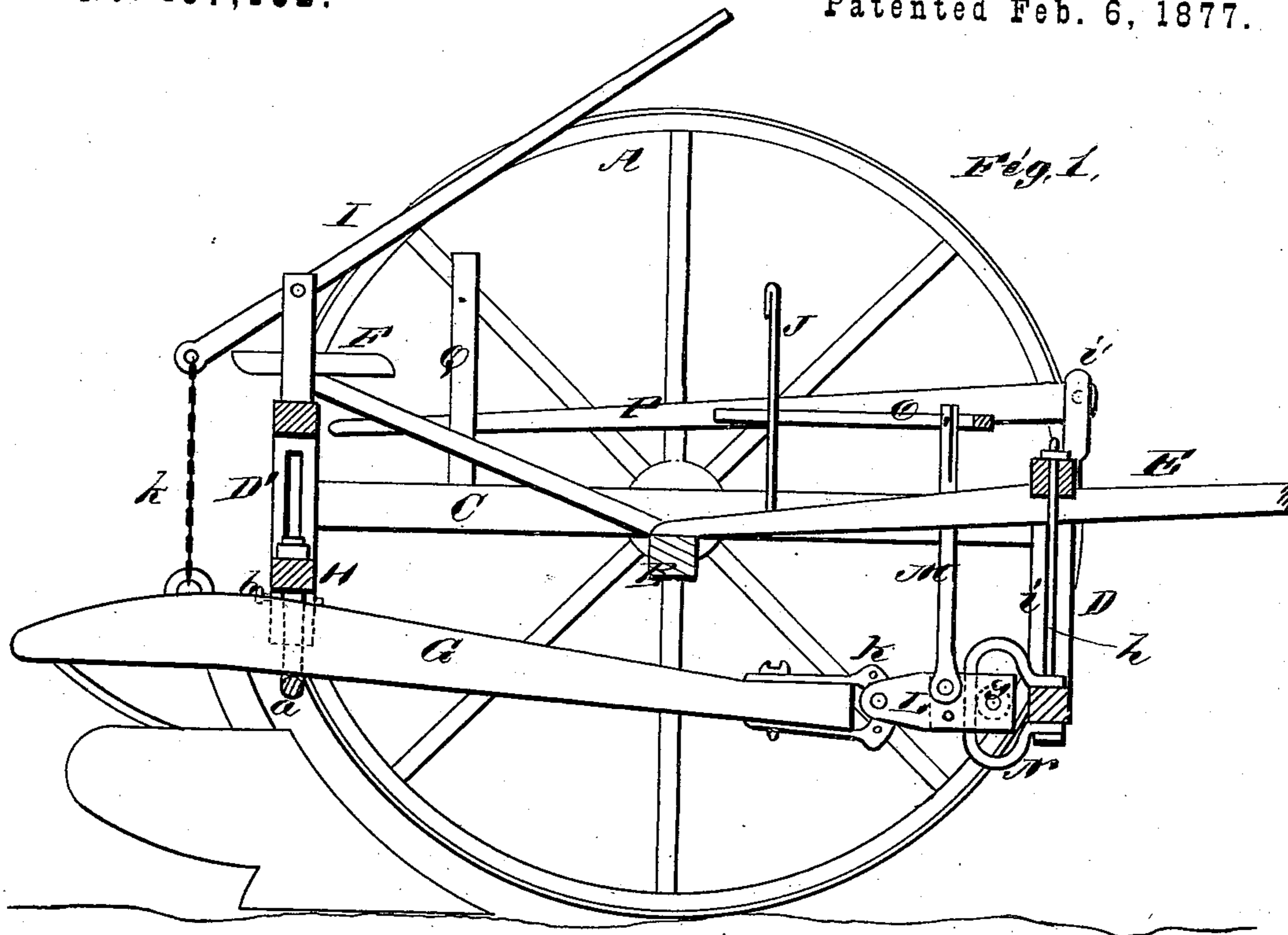


**J. F. HAMMONTREE.**

SULKY-PLOW.

No. 187,132.

Patented Feb. 6, 1877.



WITNESSES

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*E. H. Bates*  
*George E. Upham.*

INVENTOR.

Jackson & Hammond  
Gilmore, Smith & Co.

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JACKSON F. HAMMONTREE, OF HARRISONVILLE, MISSOURI.

## IMPROVEMENT IN SULKY-PLOWS.

Specification forming part of Letters Patent No. 187,132, dated February 6, 1877; application filed June 17, 1876.

*To all whom it may concern:*

Be it known that I, JACKSON F. HAMMONTREE, of Harrisonville, in the county of Cass and State of Missouri, have invented a new and valuable Improvement in Sulky-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 central vertical section of my sulky-plow, and Fig. 2 is a plan view thereof.

This invention has relation to wheel or sulky plows; and the nature of my invention consists, in combination with a plow-beam, of a double clevis attached, substantially as hereinafter more fully set forth.

In the annexed drawings, A A designate two transporting-wheels, which are applied on the ends of an axle, B. Upon this axle B are secured two beams, C C, which are parallel to each other, and to the front and rear ends of which rectangular frames D D' are rigidly secured.

E designates the draft-tongue, which is secured to the axle B and to the front frame D on one side of the middle of their length. There is also secured to the axle B, at the middle of its length, a beam, which extends upward and backward, and has a seat, F, secured to its end.

G designates a beam, which is adapted for carrying a plow of any suitable construction. The rear end of this beam passes freely through a staple, a, which is secured to the lower beam H of the rear frame D', which beam is tenoned into slots made into the vertical portions of said frame.

The beam H is vertically adjustable, and is sustained at any desired height by means of a pin, b, which is movable into one or the other of a number of holes made into one of the vertical portions of frame D'.

I designates a hand-lever, which has its fulcrum on a post rising from the upper portion of frame D', and is connected by a chain, k, to the rear end of the plow-beam H.

The hand-lever I is arranged alongside of the driver's seat F, and its longest arm extends forward to be engaged with a hook on the upper end of a standard, J, rising from the draft-tongue. When lever I is thus engaged with the hooked standard J the rear end of the plow-beam will be at its highest point, and the plow will be out of the ground.

The front end of the plow-beam H has a clevis, K, secured to it, to which is pivoted a second clevis, L, which receives between the two plates of which it is formed an anti-friction-wheel, g, that bears against the vertical portion of a loop, N. This loop N is rigidly secured to the lower beam of the front frame D by means of a bolt, h, and a brace, i, the former of which passes through the two horizontal beams of said frame D, through the draft-tongue E, and locks the whole together.

The second clevis L has a rod, M, attached to it, which passes up freely through the tongue E, and is pivoted to a lever of the second kind, designated by the letter O. The longest arm of this lever O is loosely attached to another lever, P, which is pivoted at its front end to a short standard, i', and extended back alongside of a standard, Q, to which pins p are attached at proper distances apart. By these means the driver, sitting in his seat, can adjust the front of the plow-beam as he may desire, and thus set the point of the plow to run at any desired depth.

When there is a draft on the plow the anti-friction-roller g bears hard against the vertical portion of the loop N, but allows the driver to raise or depress the point of the plow at pleasure.

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

In combination with a plow-beam, G, the double clevis K L attached to the loop N and to the lever I, substantially as described.

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

JACKSON FARMER HAMMONTREE.

Witnesses:

THOMAS W. STRATTON,  
ABNER H. DEANE.