

(No Model.)

2 Sheets—Sheet 1.

M. OLIVER.
DOUBLE SHOVEL PLOW.

No. 566,528.

Patented Aug. 25, 1896.

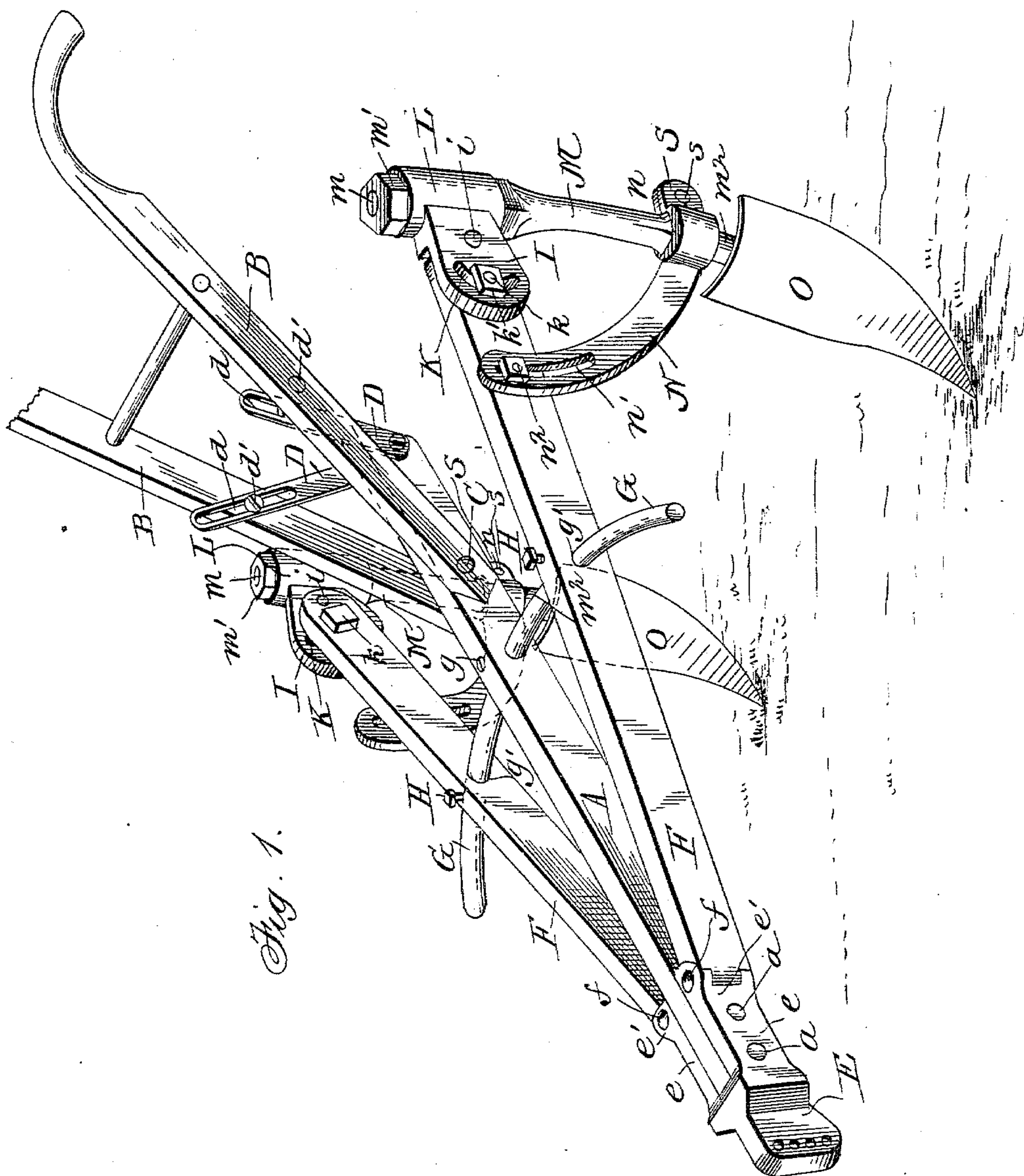


Fig. 1.

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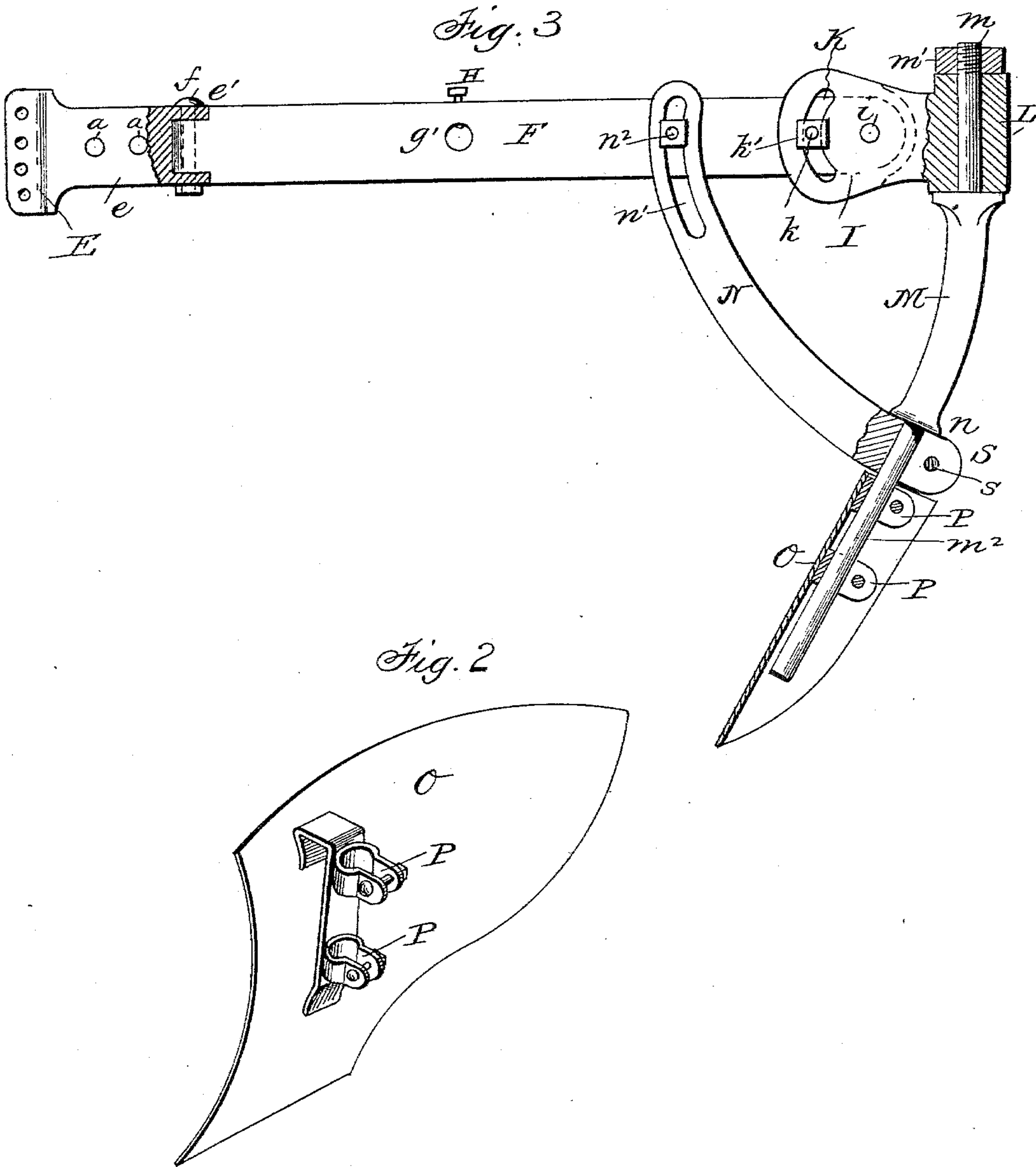
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DOUBLE SHOVEL PLOW.

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UNITED STATES PATENT OFFICE.

MILES OLIVER, OF RUTHVILLE, TENNESSEE.

DOUBLE-SHOVEL PLOW.

SPECIFICATION forming part of Letters Patent No. 566,528, dated August 25, 1896.

Application filed April 21, 1896. Serial No. 588,452. (No model.)

To all whom it may concern:

Be it known that I, MILES OLIVER, a citizen of the United States, residing at Ruthville, in the county of Weakley and State of Tennessee, have invented certain new and useful Improvements in Double-Shovel Plows; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has relation to double-shovel plows or cultivators, and the object of the device is to provide a tool of this class that is simple in construction and readily adjusted to the different widths of the rows or the different distances between the rows; and to these ends the novelty consists in the construction, combination, and arrangement of the several parts of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same letters of reference indicate like parts of the invention.

Figure 1 is a view in perspective of my improved double-shovel plow. Fig. 2 is a modification of the form of point used, and Fig. 3 is a detail sectional view of one of the side beams.

A is the central draft-beam, to which the ends of handles B B are securely clamped by a bolt C, extending through the lower ends of the handles at their junction with the beam A.

D D are braces pivoted to the rear end of the beam, their upper ends being provided with a slot *d*, through which a bolt *d'* passes to adjustably secure them at any desired height from the ground.

E is the draw-bar. It is made of a single piece, its sides *e e* extending rearwardly on each side of the end of the beam A, to which it is secured by bolts *a a*, and its rear ends terminate in recessed sockets *e'*, in which is hinged the forward end of the side beams F F by a bolt *f*. A crescent-shaped guide G, circular in cross-section, is rigidly secured about midway to the central beam A by a pin or bolt *g*, its free ends passing through guide-holes *g' g'* in the side beams F F, and the said beams can be adjusted at any suitable distance or width

with reference to the central beam A by means of the set-screws H. The rear ends of the side beams F are each provided with a bracket I, pivoted thereto by a bolt *i*, on which it is hinged, and the forward end of said bracket I is formed with a concentric circular slot K, through which a bolt *k* passes into the beam F, and its end is provided with a lock-nut *k'*, which rigidly secures said bracket to said beam when adjusted to its proper place. The rear end of this bracket terminates in a socket L, which is provided with a vertical circular orifice *l*, into which the screw-threaded shank *m* of a curved standard M is secured by a nut *m'*, and the lower curved portion *m²* is cylindrical in cross-section; and it is encompassed by the slotted end *n* of an arc-shaped brace N, the upper end of which is formed with a crescent-shaped slot *n'*, through which a bolt *n²* passes to secure it rigidly to the side beam F, and the slotted end *n* is provided with ears S, through which the bolt *s* passes to rigidly and adjustably clamp it to the curved portion *m²* of the standard M. To the lower cylindrical curved ends of the standards is adjustably secured a shovel-point O, which is provided with integral slotted clamping-jaws P P, through which a bolt passes to secure the shovel-point to the standard. This form of shovel-point may be removed and the form shown in Fig. 2 may be readily attached.

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

The side beams F provided with the bracket I pivoted to the rear ends of said beams by bolt *i*, said bracket formed with a concentric arc-shaped slot K, through which a bolt *k* passes to adjustably secure it to said beam, and having a socket L, having a vertical orifice *l*, in combination with the curved standard M, and its adjustable arc-shaped brace N, having a slot *n'*, through which a bolt passes to secure it to the beam F, substantially as and for the purpose specified.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

MILES OLIVER.

Witnesses:

E. Y. FELTS,
J. J. OLIVER.