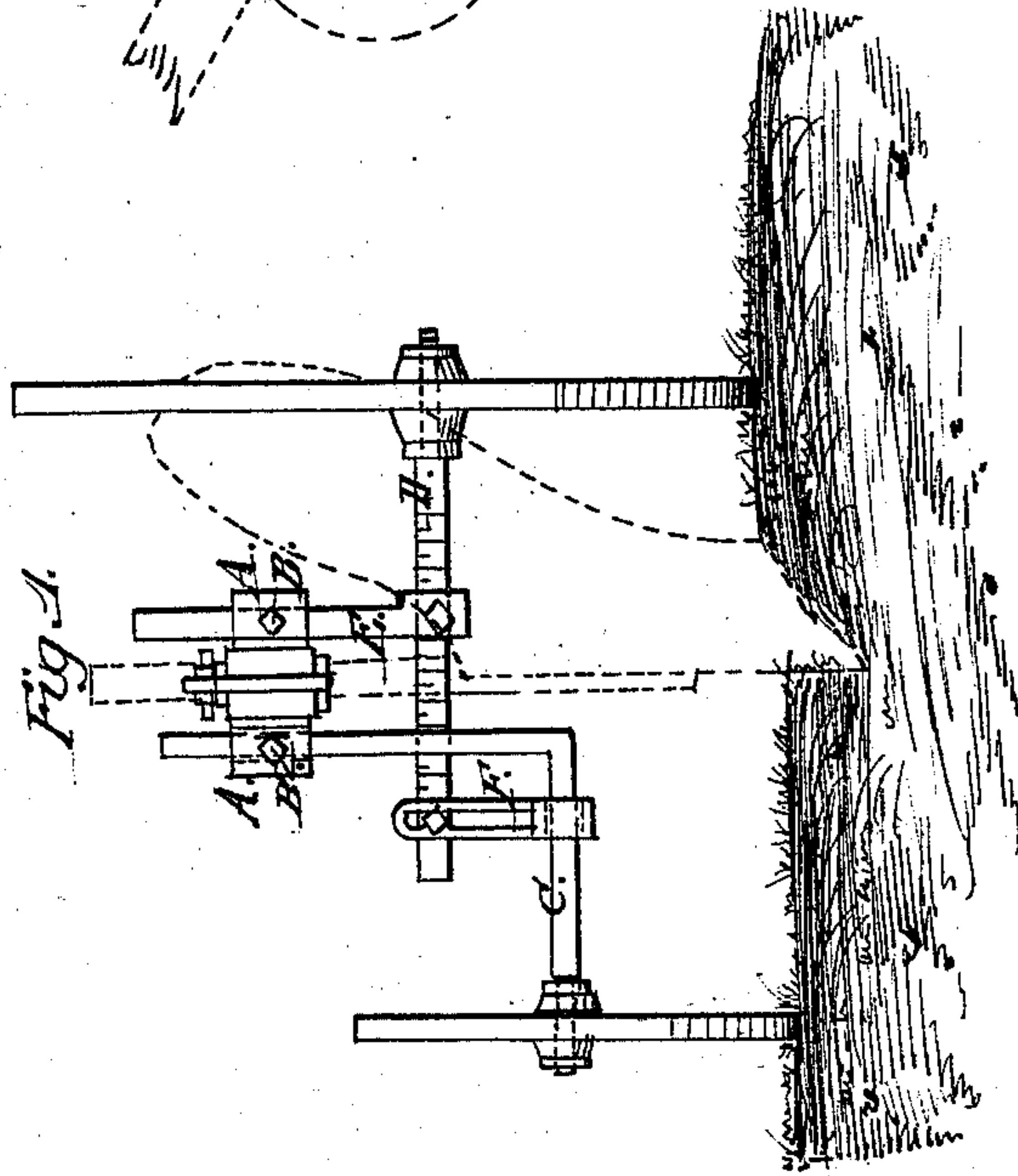
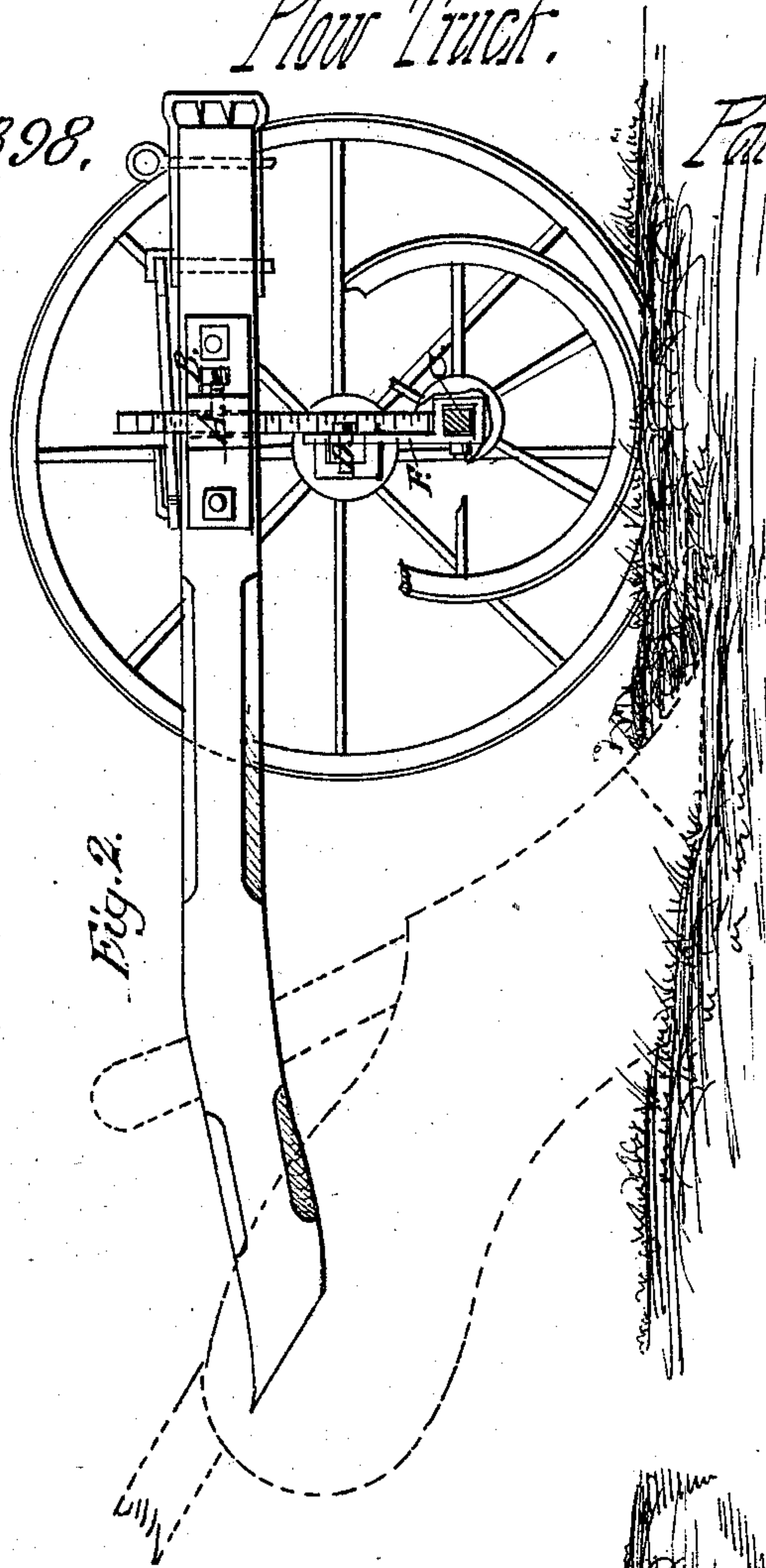


J. Clees.

Plow Truck.

No. 87,398.

Patented Mar. 2, 1869.



Witnesses:
G. Raettig
Wm. A. Morgan

Inventor:
J. Clees.
per
Wm. A. Morgan
his attorney.

United States Patent Office.

JOSEPH CLEES, OF DARBYVILLE, OHIO..

Letters Patent No. 87,398, dated March 2, 1869.

IMPROVEMENT IN PLOW-TRUCK.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, JOSEPH CLEES, of Darbyville, in the county of Pickaway, and State of Ohio, have invented a new and useful Improvement in Plow-Trucks; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in plow-trucks, the object of which is to provide a simple and convenient arrangement for adjusting the same, to vary the depth and width of the furrows, as may be required.

Figure 1 represents a side elevation of my improved truck, partly broken away, and

Figure 2 represents a front elevation of the same.

Similar letters of reference indicate corresponding parts.

The plow-beam is provided with plates A, on each side, having square vertical holes through them, and set-screws B, communicating with them.

The axle is made in two parts, C and D.

The part C, which supports the small wheel for running on the unplowed ground, is turned up at right angles, and fitted to slide, in one of the plates A, and to be secured therein at any desired point by the set-screw.

The part D is provided with a vertical arm, E, also fitted to slide in and be secured to one of the plates A. It is also capable of sliding to and fro on the said part D of the axle, and carries a set-screw for securing it thereon.

The inner end of the part D has a vertical groove in one side, and an adjustable arm, F, is secured there-

in by a set-screw, and the horizontal part of the axle C slides in the lower end of the said arm F.

By this arrangement, either wheel is made capable of adjustment vertically, with respect to the plow-beam, without reference to the other, and the large or guiding-wheel, which runs in the furrow, slightly in advance of the plow, and governs the breadth of the cutting of the plow, may be adjusted, to vary the same, without reference to the other wheel.

The wheels and their respective parts of the axle may be applied to either side of the beam, and are adapted to a right or left-hand plow.

The part D and the vertical part of the part C are provided with scales, for measuring the respective adjustments.

Having thus described my invention,

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

1. A plow-truck, having the axle constructed in two parts, and arranged to adjust either part vertically, without changing the other, substantially as specified.

2. The part D of the axle, carrying the guiding-wheel, arranged to be adjusted horizontally and vertically, independently of the other part of the said axle, substantially as specified.

3. The part C of the axle, carrying the small wheel, bent at right angles, and arranged for adjustment in the plate A, substantially as specified.

4. The combination, with the parts C and D of the axle, of the arm E, substantially as specified.

5. The combination, with the parts D and C, of the arms E and F, substantially as specified.

Witnesses:

WM. H. COCHRAN,
JETHRO CENTON.

JOSEPH CLEES.