

C. P. NORTON.
CULTIVATOR.

No. 61,450.

Patented Jan. 22, 1867.

Fig. 2.

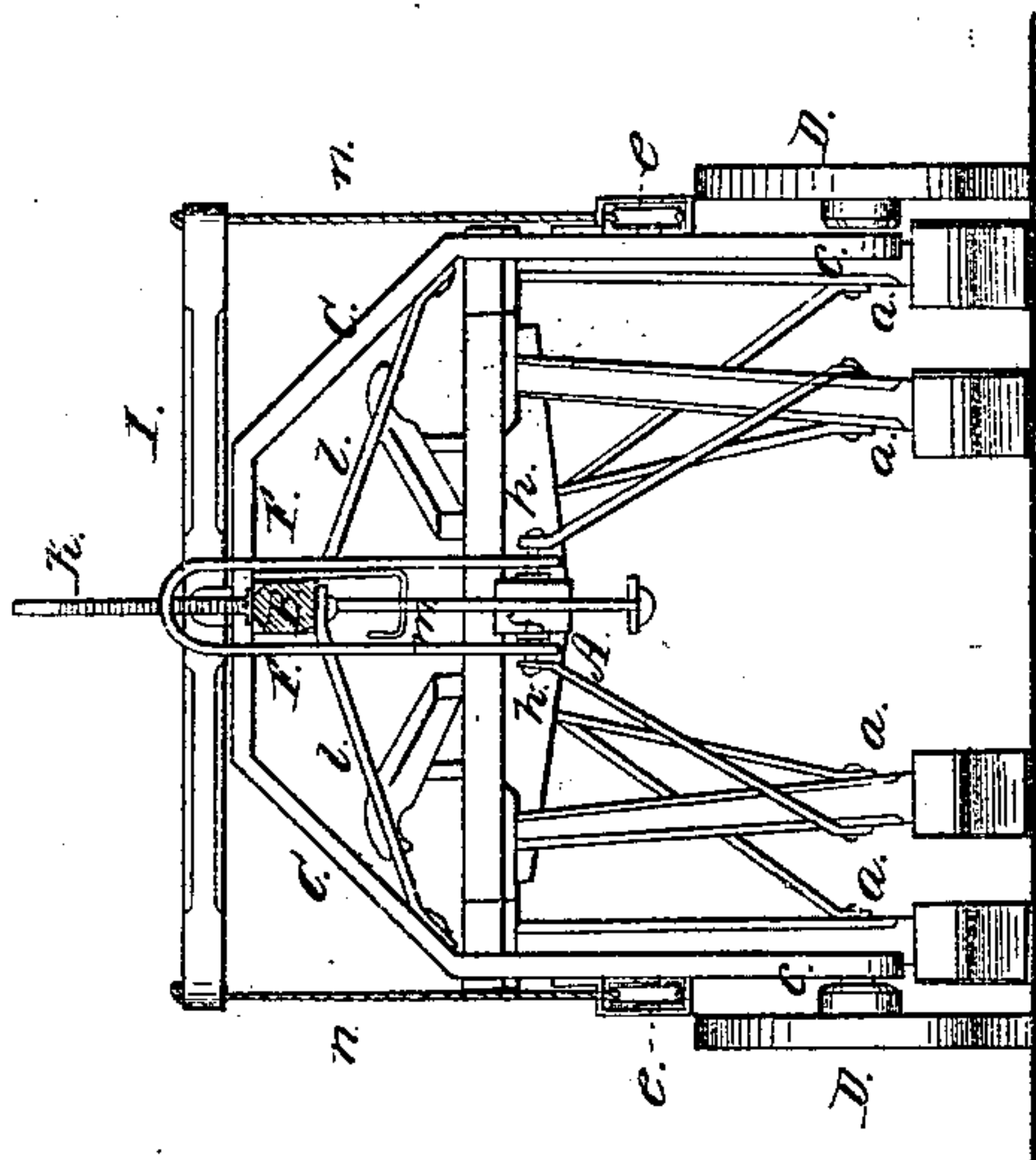
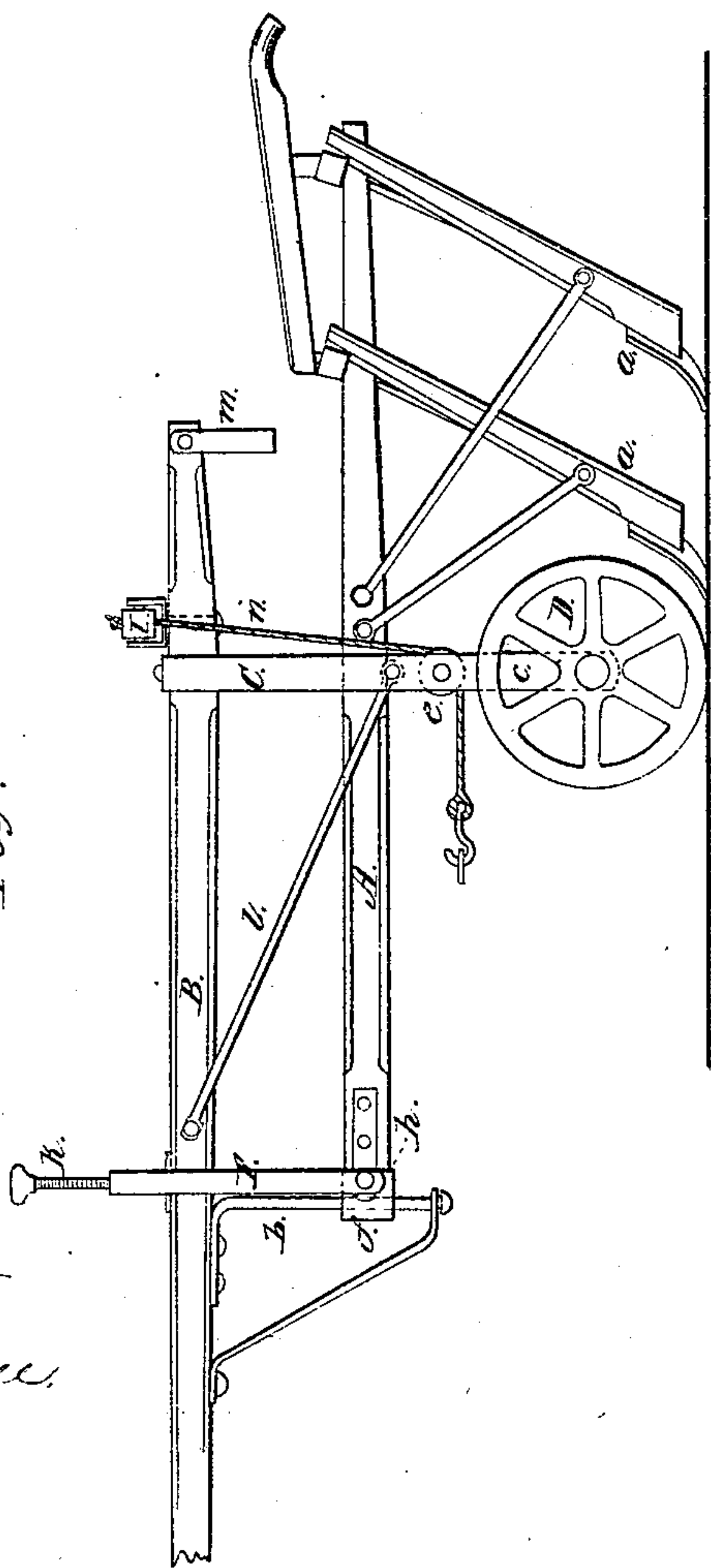


Fig. 1.



Witnesses
The Tish
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United States Patent Office.

C. P. NORTON, OF ROSEVILLE, ILLINOIS.

Letters Patent No. 61,450, dated January 22, 1867.

IMPROVEMENT IN CULTIVATORS.

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, C. P. NORTON, of Roseville, in the county of Warren, and State of Illinois, have invented a new and improved Cultivator; and I do hereby declare that the followings 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, in which—

Figure 1 is a side view of my invention; and

Figure 2 is a front view of the same.

Similar letters of reference indicate like parts.

This invention consists in new and useful improvements in the construction and arrangement of the several parts of a "corn cultivator," whereby an efficient and very simple machine is produced, as hereinafter explained.

A, in the drawing, is the plough beam, and *a a* the ploughs. The framework of the machine consists in the pole B, and an iron arch or semi-octagonal frame C. The iron arch C is bolted rigidly to the pole B, and stayed by rods *l l*; and this framework is then mounted on a pair of small wheels, D, which have their bearings on the lower ends or hanging legs *c c* of the arch C. At the front end of the plough beam a bolt, *b*, is secured to the under side of the pole, and on this bolt is a box, *f*, which slides vertically thereon; this box is supported on the rod *b* in an adjustable manner by means of an iron strap or loop, F, which passes up over the pole, and by a set-screw, *k*, having a bearing on the tongue or pole. The front end of the plough beam is pivoted to the box *f* by a horizontal transverse pivot *h*; so that this connection between the front end of the plough beam and the pole, as a whole, makes a universal joint, allowing the rear end of the plough beam to be moved freely in a vertical or lateral direction. I is an evener, which consists of a lever mounted transversely on the tongue B by a pivot at its centre, and to each end of this lever or evener is attached a rope, *n*, which, passing down under a pulley *e*, pivoted to the legs of the arch C, terminates with a hook for attaching the draught animals. The rear end of the pole is provided with a hook, *m*, to hold the ploughs up out of action.

In operation the forward end of the plough beam B is readily raised or lowered to regulate the depth of the ploughing by the set-screw *k*, which raises or lowers the sliding-box *f* as desired. The framework of my improved cultivator consists chiefly in two pieces, B and C, constructed and arranged as shown. By these means I produce a cheap and desirable machine.

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

1. I claim the pole B, arch C, and supporting wheels D D, constructed and arranged substantially as and for the purpose herein set forth.

2. I claim the pole B *b*, (fig. 1,) sliding-box *f*, loop F, and set-screw *k*, in connection with the plough beam A, all arranged and operated as and for the purpose described.

C. P. NORTON.

Witnesses:

H. S. SOVEREIGN,

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