

J. AUGSPURGER.

Land-Marker.

No. 168,598.

Patented Oct. 11, 1875.

Fig. 1.

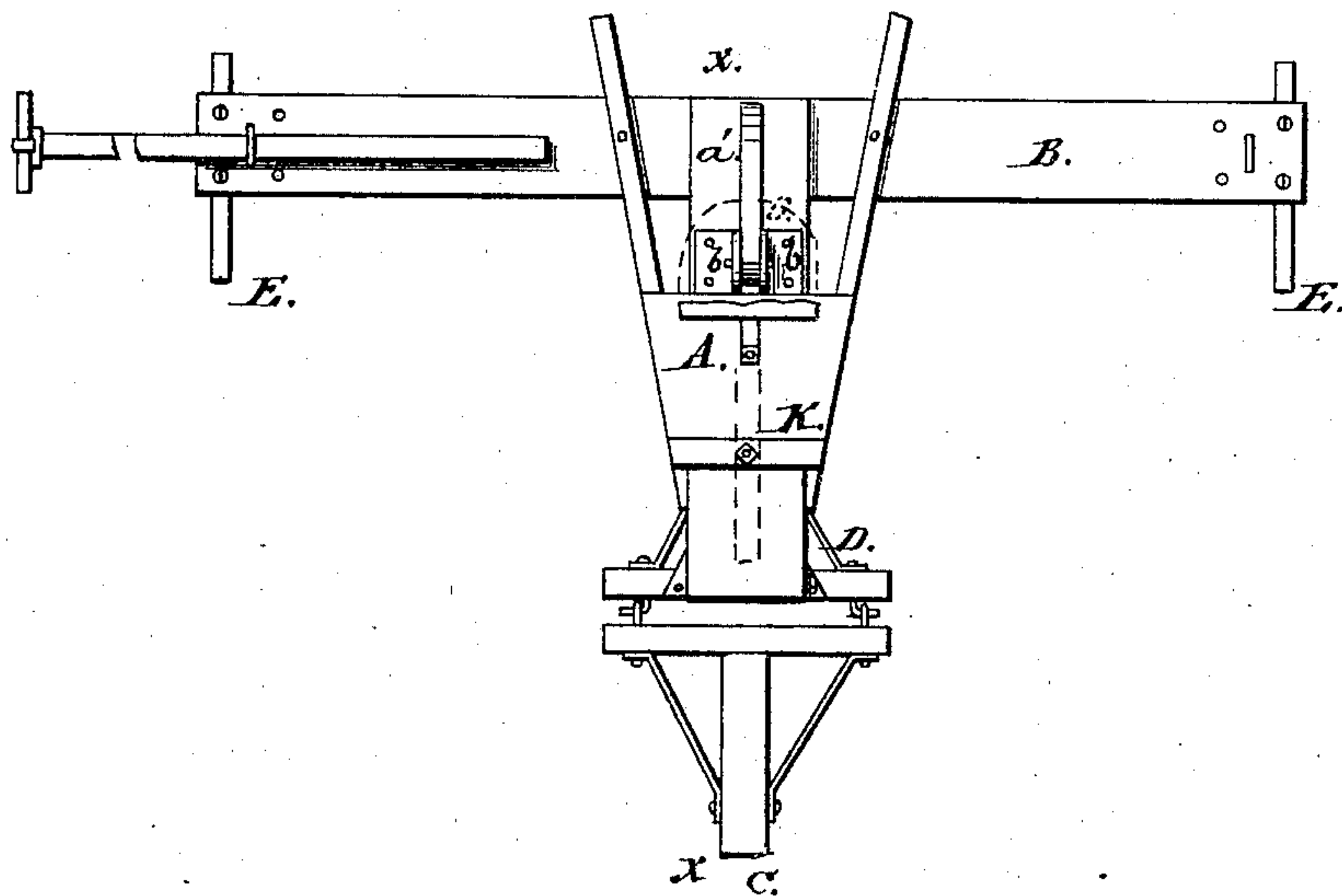


Fig. 2.

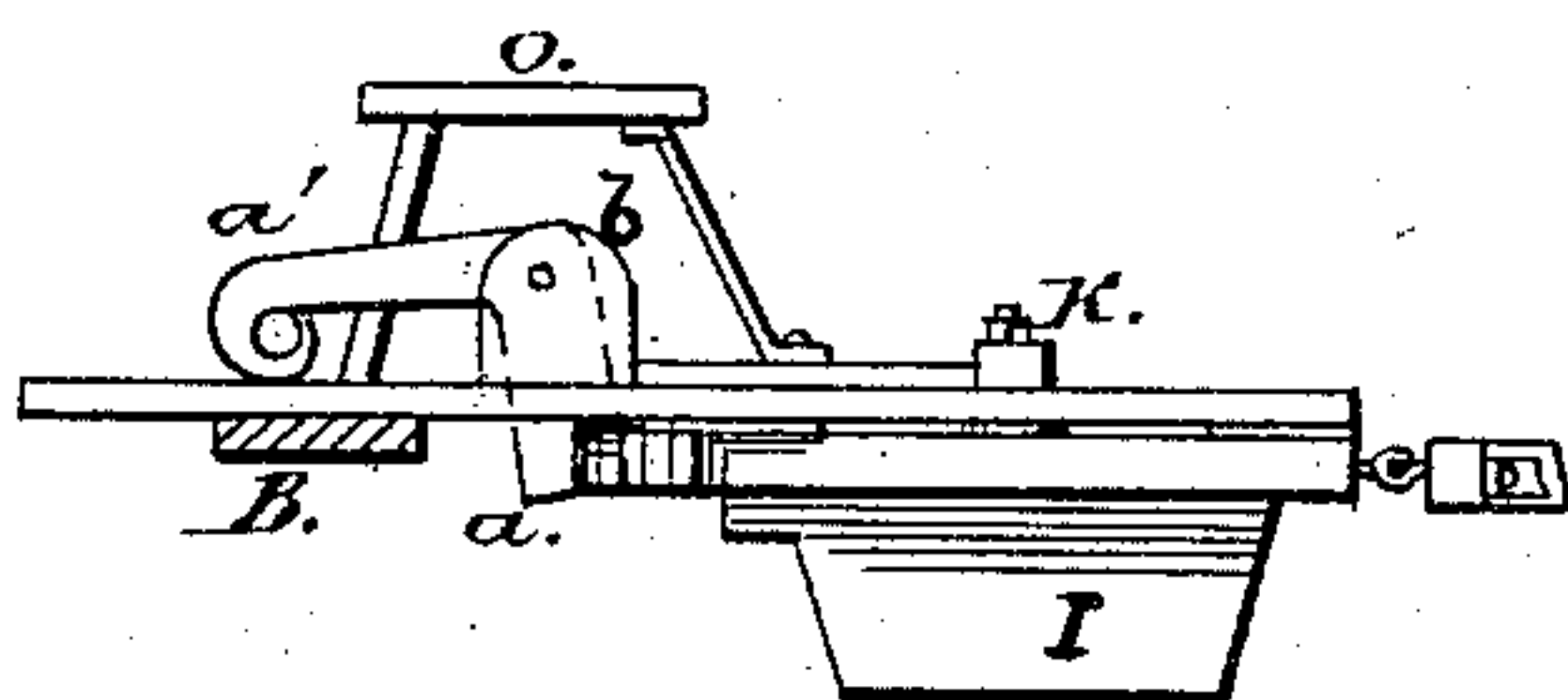


Fig. 3.

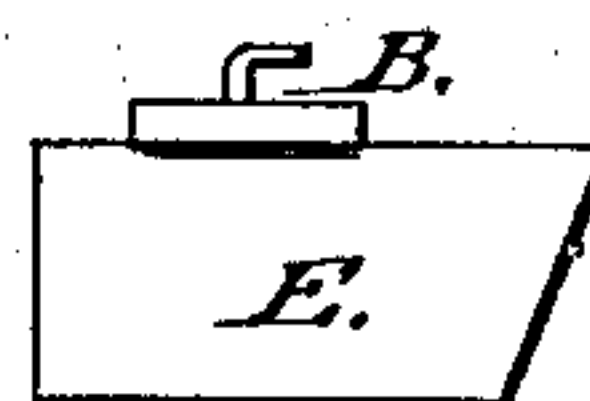
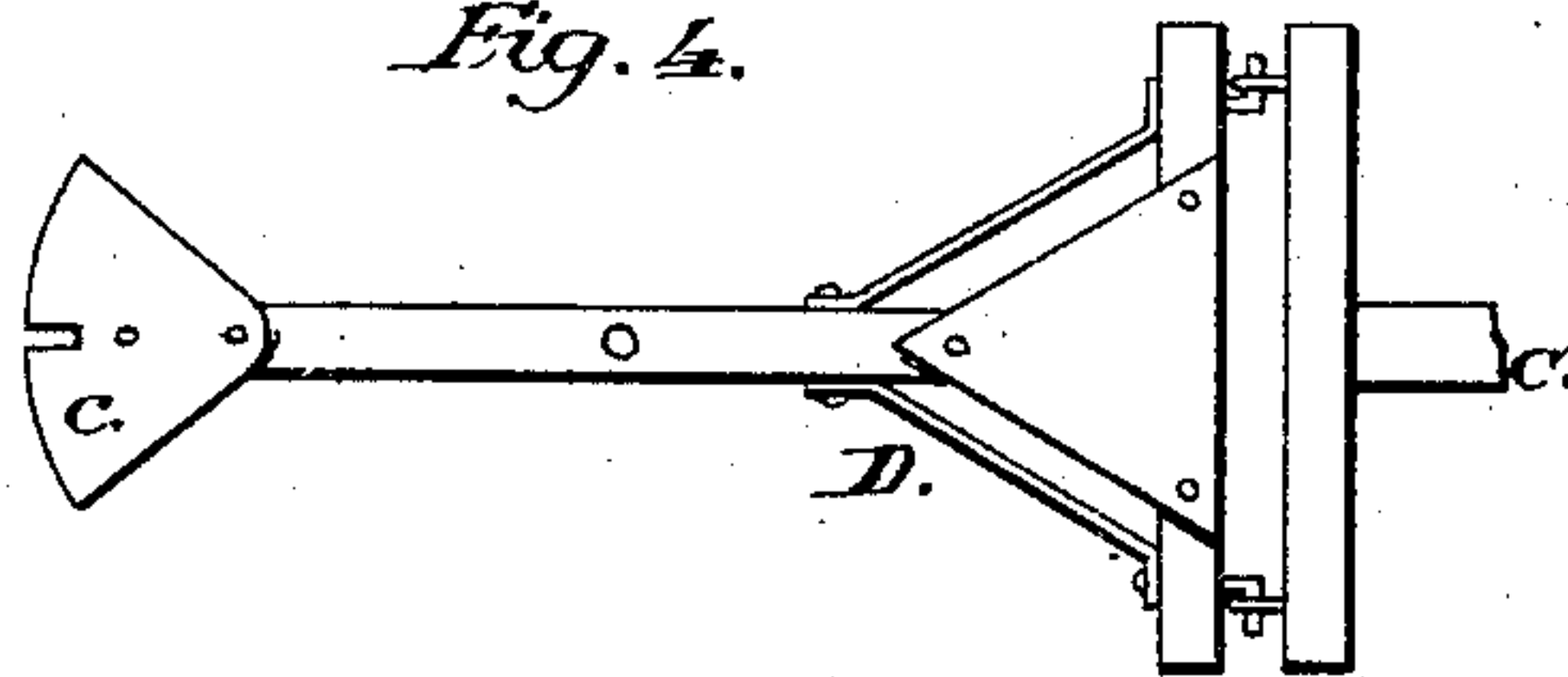


Fig. 4.



Witnesses:

John M. Davidson
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Inventor:

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Per J. H. DeK. Atty.

UNITED STATES PATENT OFFICE.

JOHN AUGSPURGER, OF TRENTON, OHIO.

IMPROVEMENT IN LAND-MARKERS.

Specification forming part of Letters Patent No. **168,598**, dated October 11, 1875; application filed June 14, 1875.

To all whom it may concern:

Be it known that I, JOHN AUGSPURGER, of Trenton, in the county of Butler and State of Ohio, have invented a new and useful Improvement in Furrowing-Machines; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 represents a plan or top view of my improved machine. Fig. 2 represents a vertical longitudinal section of the same, taken at the line *x x* of Fig. 1. Fig. 3 represents one of the runners or furrowers attached to the end of the rear beam of the main frame. Fig. 4 represents a plan of the auxiliary frame.

Like letters designate corresponding parts in all of the figures.

The main frame A B, constructed as represented in the drawings, is provided with a driver's seat, O, centrally located, and a pivoted catch, *a*, provided with a weighted arm, *a'*. At the ends of frame-piece B the two runners E are secured at the proper distance apart for the width of two corn-rows, and when the machine is in use the forward runner I will divide the space between runners E. The weighted catch *a* is pivoted between the lugs *b*, and extends down through a slot in frame A, and enters the vertical notch *c* in the rear end of the auxiliary frame D, to which the tongue C is hinged. To the under side of the frame D the middle furrower I is secured.

The furrowers E and I may be removed, and either plows or cultivator-teeth of any desired form may be substituted.

The frames A and D are connected together by the king-bolt K, and the catch *a* will serve

to keep the auxiliary frame D in line with the frame A while the machine is crossing the field; but when the team turns the machine around for each successive "through" or crossing, the attendant, by the use of a cord or a pedal connected with the catch-arm *a'*, will disengage the catch *a* from notches *c*, and permit the auxiliary frame to turn upon its bolt K.

This manner of connecting the frames enables the machine to be turned around with ease, and without the risk of damaging it.

The arrangement of the middle furrower I in advance of the two outer furrowers E enables all the furrowers to follow the undulations of the ground, because of the use of the hinged tongue C.

The seat O may be extended forward and rearward, so as to permit the driver to change his position, and throw more or less weight upon either the front or rear furrowers.

A marker may be used with my machine to mark the line for each successive crossing of the field being furrowed.

Having described my improvement in furrowing-machines, I claim—

The combination of the frame A, provided with the furrowers E E, the auxiliary frame D, provided with the furrower I, and pivoted by the bolt K to turn horizontally on the frame A, and held in the proper position thereon by a catch, *a*, and the tongue C, attached to the frame D, substantially as and for the purpose herein specified.

Witness my hand this 29th day of May, 1875.

JOHN AUGSPURGER.

Witnesses:

H. P. K. PECK,

JOHN M. DAVIDSON.