

C. F. Megquier.

Wheel Cultivator.

N^o 62,868.

Patented Mar. 12, 1867.

Fig. 1.

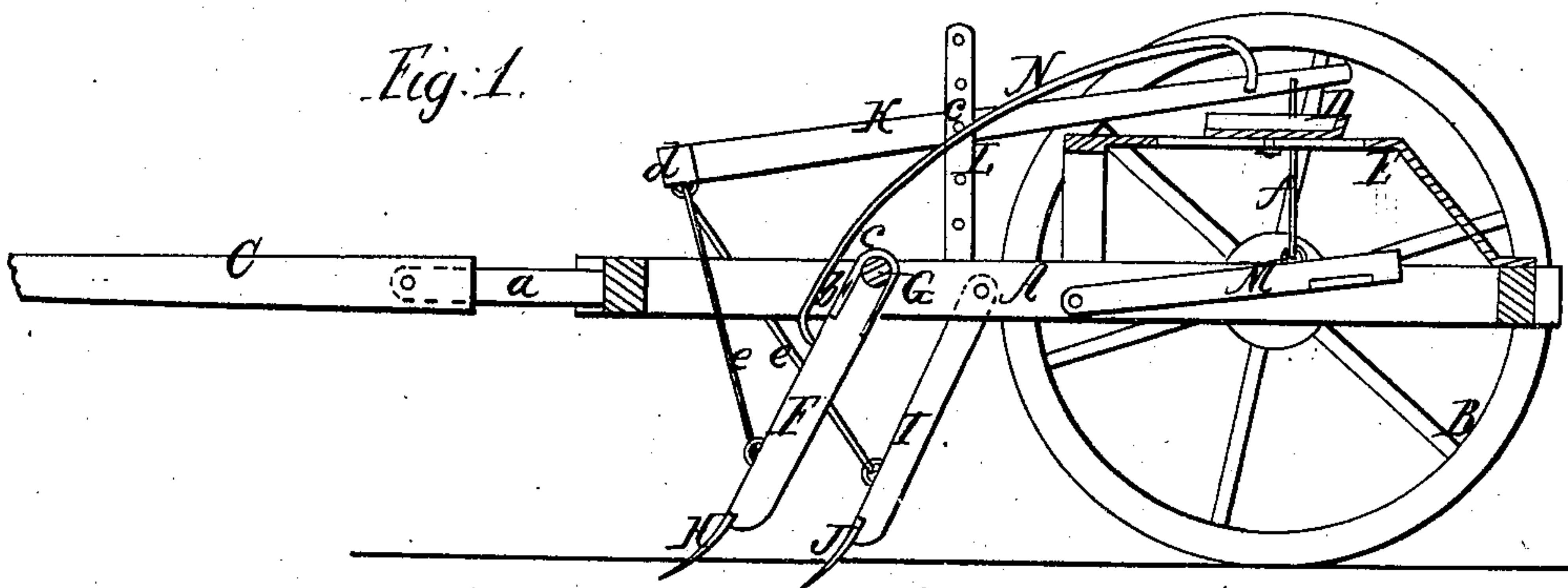
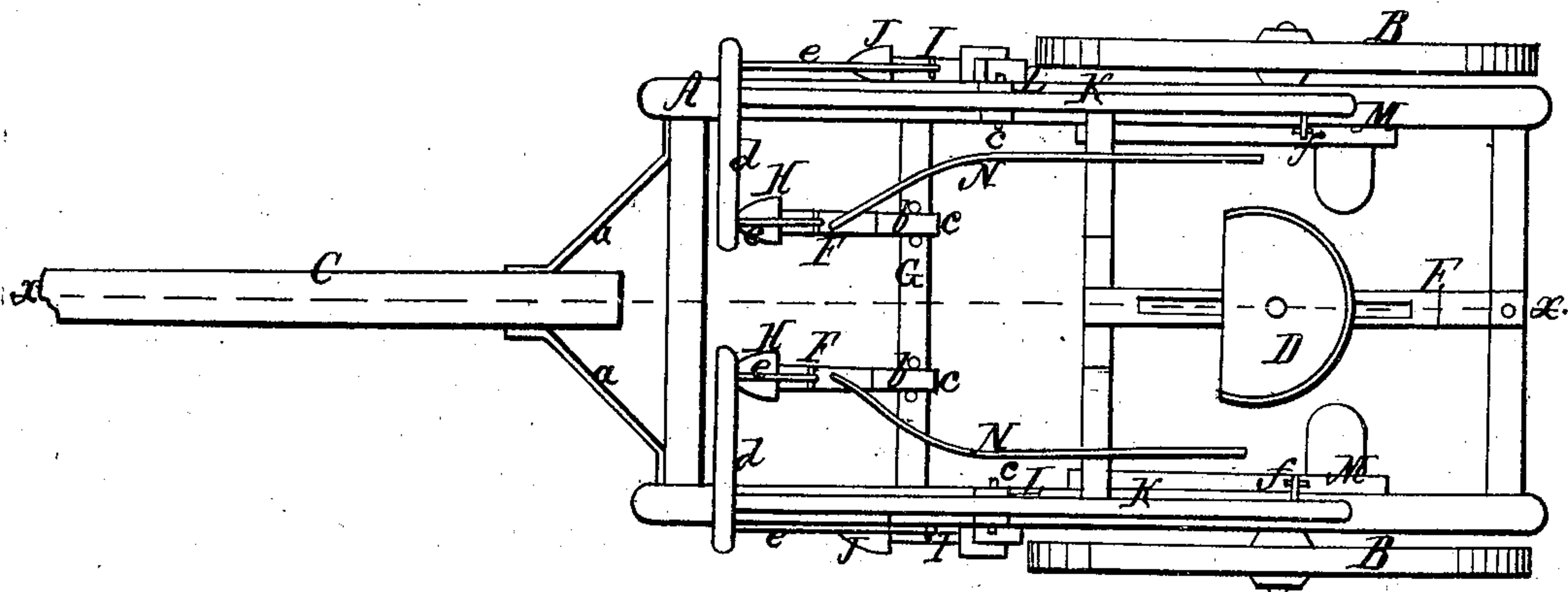


Fig. 2.



Witnesses;

J. A. Jackson
Theo. Fusch

Inventor;

C. F. Megquier
Per Munnell
Attorney

United States Patent Office.

C. F. MEGQUIER, OF EUREKA, ILLINOIS.

Letters Patent No. 62,868, dated March 12, 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. F. MEGQUIER, of Eureka, Woodford county, and State of Illinois, have invented a new and improved Cultivator; 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 drawing, forming part of this specification, in which—

Figure 1 is a side sectional view of my invention, taken in the line *x x*, fig. 2.

Figure 2, a plan or top view of the same.

Similar letters of reference indicate like parts.

This invention relates to a new and improved arrangement of the ploughs or the mode of hanging and operating the same, whereby the driver will have entire control over the implement, and, with the greatest facility, raise and lower all the ploughs whenever necessary, and move the innermost ones laterally towards and from the plants.

A represents a rectangular frame, supported near its rear end by two wheels, B B. C is the draught-pole, attached by hounds *a a* to the frame A, and D is the driver's seat, which is secured to a support, E, on the rear part of the frame A, and in such a manner as to be adjustable. F F represent two plough standards, the upper ends of which are secured by pivots *b*, in metal straps *c*, which encompass loosely a shaft, G, fitted transversely in the frame A. By this means the standards F are rendered capable of being moved up and down, and also in a lateral direction. Ploughs H are attached to the lower ends of the standards F, and these ploughs, as the machine is drawn along, work by the sides of the growing plants. I I represent plough standards, which are secured to the outer sides of the frame A, one at each side, and a little at the rear of the standards F, ploughs J being attached to the lower ends of the standards I I. K K are levers, which have their fulcrum *e* in uprights L, one at each side of the frame A. The front ends of these levers have cross-bars, *d*, attached, which are connected by rods *e e* to the plough standards F I. These levers may be operated by hand, as they extend back within convenient reach of the driver on seat D, or they may be operated by treadles M, which are secured one to each side piece of the frame A and connected by rods *f* to levers K. By operating these levers it will be seen that the ploughs H J may be raised and lowered at the will of the driver, and all the ploughs raised so as to conform to the sinuosities of the rows of plants by having rods N attached to the standards F F, said rods extending back to within reach of the driver on seat D.

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

The plough standards F F, pivoted at their upper ends in metal straps *c*, which encompass loosely the shaft G, in the frame A, so that said standards, and the ploughs H attached, may be moved vertically and laterally, in combination with the plough standards I I pivoted to the outer sides of the frame A, the levers K K, to which the plough standards are connected, and the rods N attached to the plough standards, all being arranged to operate in the manner substantially as and for the purpose set forth.

Witnesses:

R. B. DICKINSON,
J. J. RASMUSSEN.

C. F. MEGQUIER.