2 Sheets—Sheet 1.

W. K. GARRISON.

Corn-Planter.

No. 61,661. Patented Jan. 29, 1867.

Fig. 1.

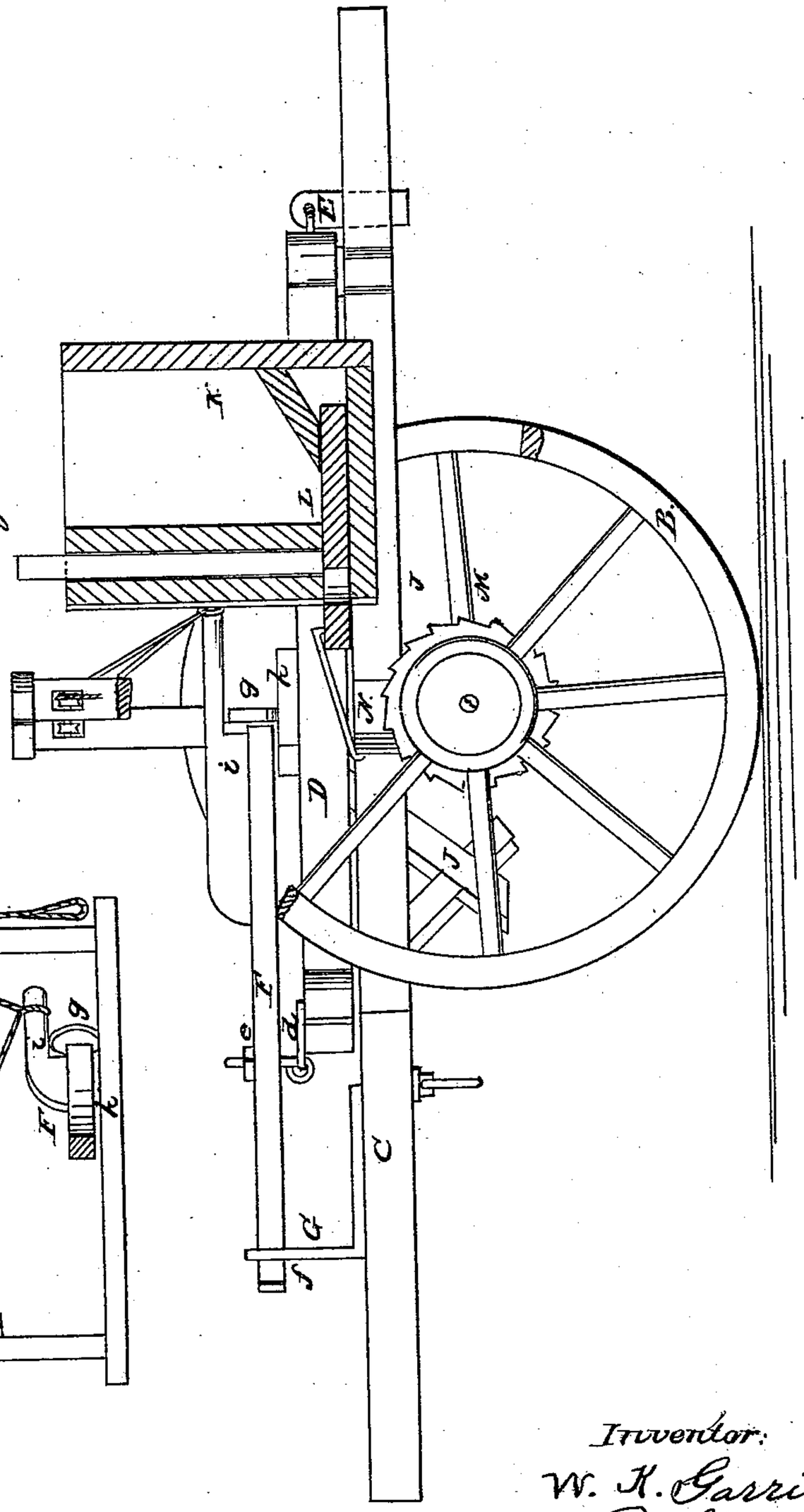
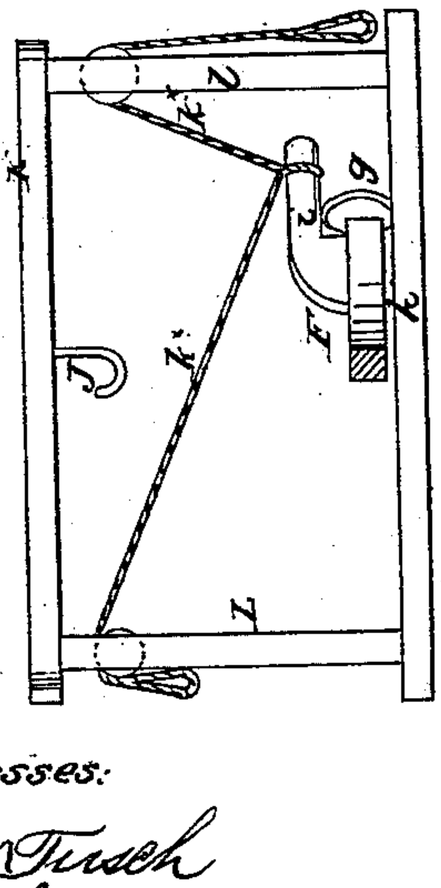


Fig. 3.



Witnesses:
Theo. Tusch
J. A. Serrie

Inventor:
W. K. Garrison
Per Munn & Co.
Attorneys.

2 Sheets—Sheet 2.

W. K. GARRISON.

Corn-Planter.

No. 61,661. Patented Jan. 29, 1867.

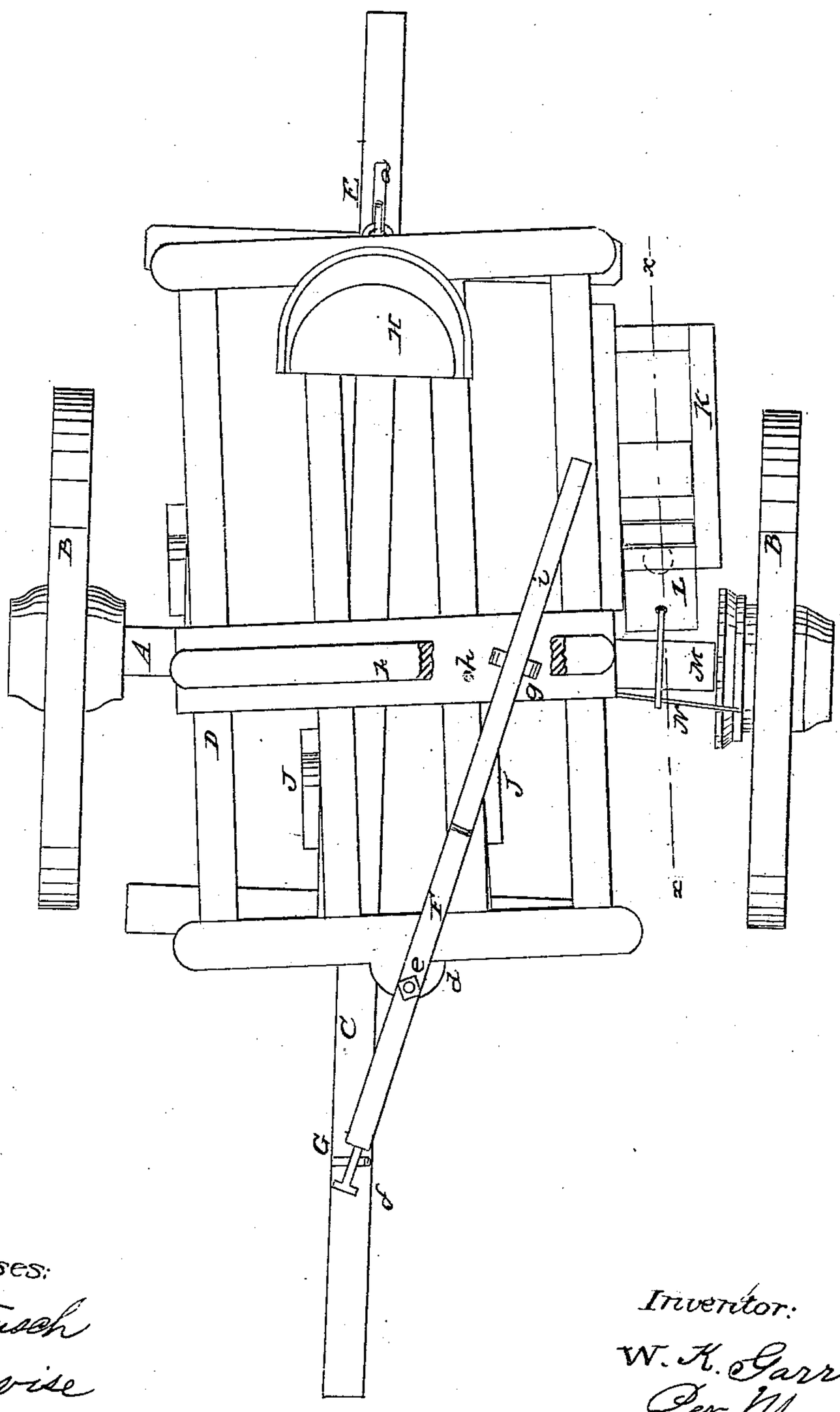


Fig. 2.

Witnesses:

Theo. Tusch

J. A. Service

Inventor:

W. K. Garrison

Per Munn & Co

Attorneys.

United States Patent Office.

W. K. GARRISON, OF ABINGDON, ILLINOIS.

Letters Patent No. 61,661, *dated January* 29, 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, W. K. GARRISON, of Abingdon, in the county of Knox, and State of Illinois, have invented a new and improved Cultivator and Seeding Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those 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 sectional view of my invention, taken in the line *x x*, fig. 2.

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

Figure 3, a detached view of a lever and frame pertaining to the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new and improved cultivator and seeding machine, and it consists in a novel construction and arrangement of a movable or adjustable frame with a lever and main frame or draught-pole, as hereinafter fully described, whereby the device is placed under the complete control of the operator when used either as a cultivator or seeding machine.

A represents an axle, having a wheel, B, on each end of it, and a draught-pole, C, attached centrally, the draught-pole, extending back of the axle A a considerable distance, to serve as a support for a rectangular frame, D, the rear end of which has a pendent bar, E, attached by a staple to the bar passing through an oblong slot, *a*, in the rear part of the draught-pole, directly back of a cross-bar, *b*, attached thereto. F is a lever, the fulcrum-pin *e* of which is attached to the front end of the frame D, the lower end of said pin passing through a plate, *d*, and bent or curved to form a loop joint, as shown in fig. 1, the upper part of the pin passing through the lever, and having a screw-nut, *e*, upon it. The front end of the lever F has a T-head, *f*, attached, which is fitted in the upper end of a slotted bar, G, attached to the draught-pole C, some distance in front of the frame D, and to the rear part of said lever a roller, *g*, is attached, which works or rests on a cross-bar, *h*, on frame D. The lever *f* has a handle, *i*, attached to it, which is within convenient reach of the driver on seat H, the latter being on the upper end of an elastic support secured to the draught-pole C. The frame D has plough standards, J, attached to it at its front and rear, and has also a seed-box, K, secured to its left-hand side; said seed-box having a seed-slide, L, in its lower part, which is operated by a cam, M, on one of the wheel hubs, and a spring, N, to which the seed-slide is connected, and which is actuated by the cam. From the above description it will be seen that the driver, from his seat H, may with the greatest facility turn the frame D, and consequently the ploughs, which are attached thereto, and the ploughs, when the device is used as a cultivator, made to conform to the sinuosities of the rows of plants; and it possesses the advantage of having the front ploughs which are close to the row of plants move a much greater distance laterally than the rear ploughs, which are not necessarily required to have any lateral movement at all, as they work in the centre of the spaces between the rows of plants. The ploughs may be raised up out of the ground when required, by placing the handle *i* in a hook, *j*, which is in the under side of a cross-bar, *k*, attached to the upper ends of uprights, *l l*, at each side of the frame D. If necessary or desired, the handle *i* of the lever F may have cords, $k^{\times}$ $k^{\times}$, attached to it, passing over pulleys in the uprights *l l*, with loops at their lower ends to receive the driver's feet, (see fig. 3.) The lever F can, when the driver prefers walking to riding, have a long handle, *i*, attached to extend beyond the rear of frame D.

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

The frame D, in combination with the lever F, arranged and applied to the machine substantially in the manner as and for the purpose herein set forth.

W. K. GARRISON.

Witnesses:

J. H. GARRISON,

J. H. SMART.