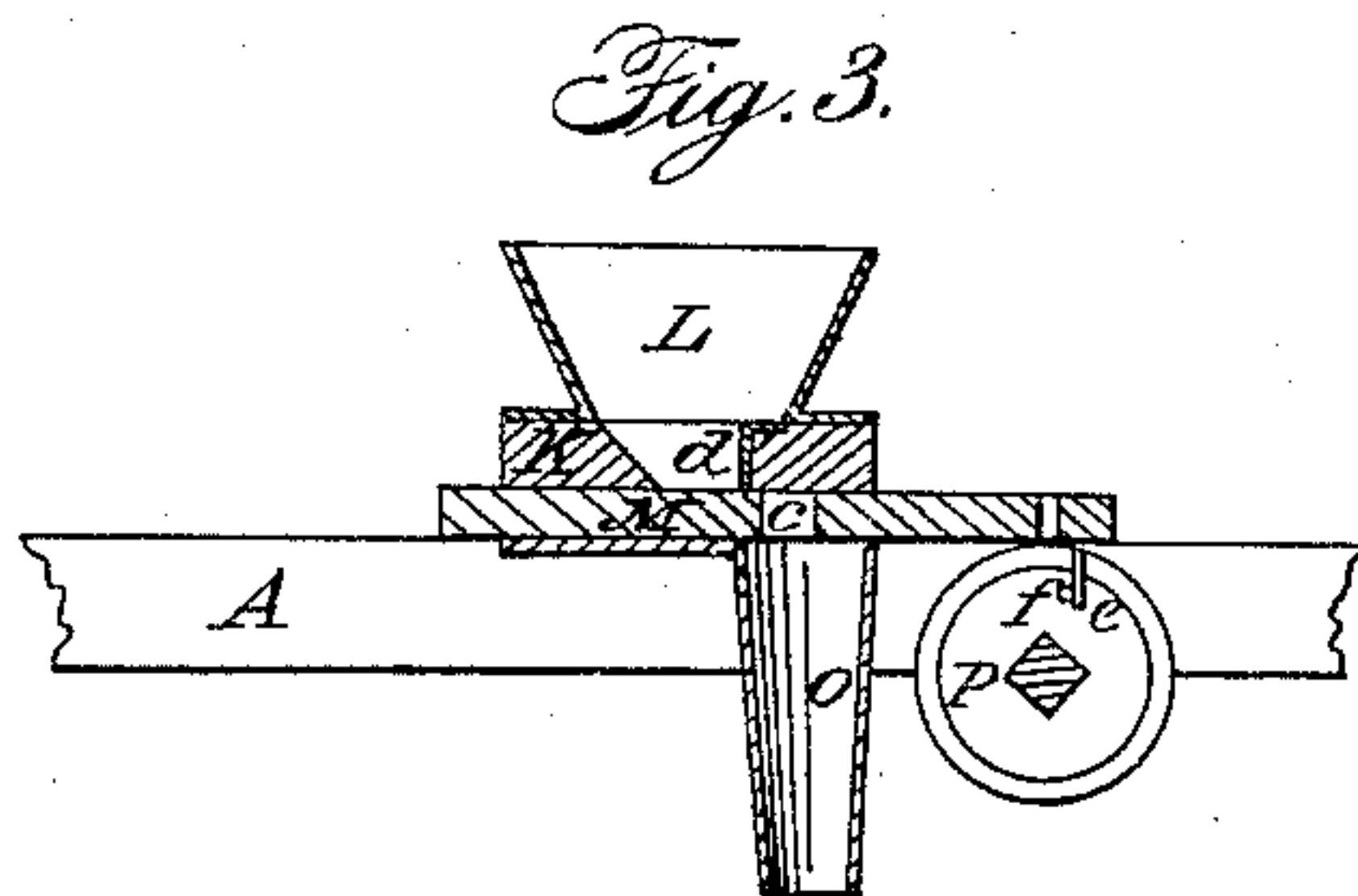
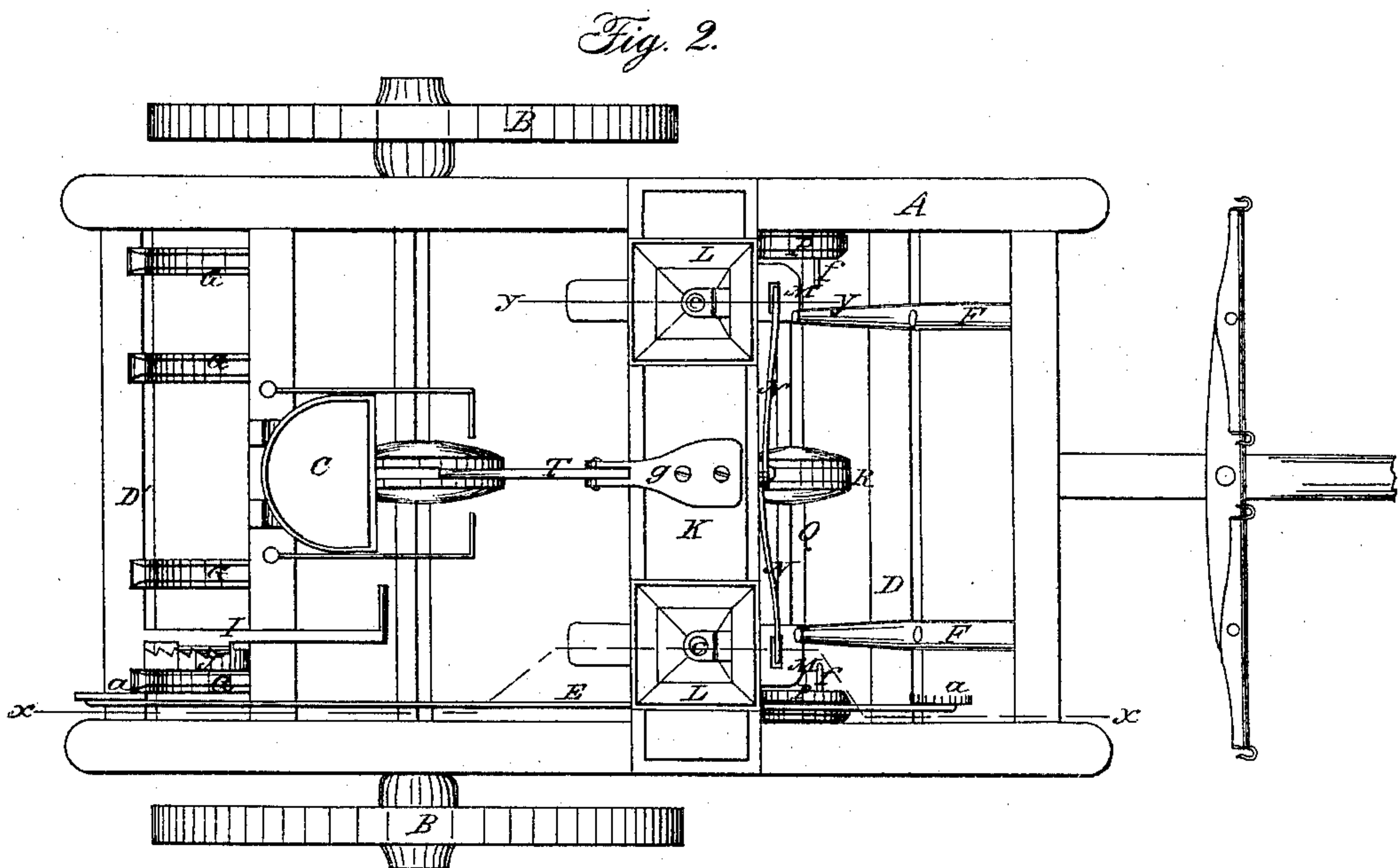
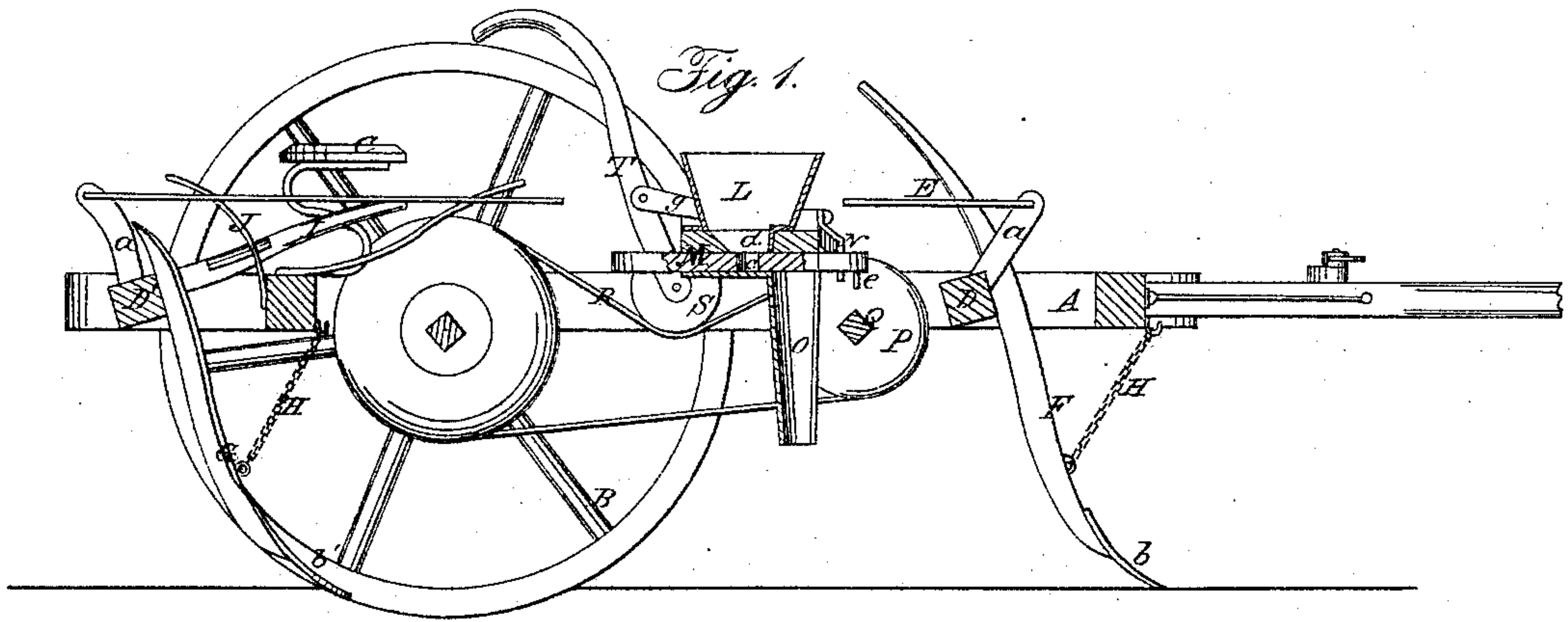


R. B. WRIGHT.

Corn Planter.

No. 62,461.

Patented Feb. 26, 1867.



Witnesses:

Theo. Fische
J. A. Service

Inventor:

Robt B Wright
Per Munroe
Atty.

United States Patent Office.

ROBERT B. WRIGHT, OF VERMILLION, ILLINOIS.

Letters Patent No. 62,461, dated February 26, 1867.

IMPROVEMENT IN PLANTING MACHINES.

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, ROBERT B. WRIGHT, of Vermillion, in the county of Edgar, and State of Illinois, have invented a new and improved Seed-Planting Machine; 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 a new and improved seed-planting machine of that class which are mounted on wheels, and have their seed-distributing mechanism operated from the axle of the wheels on which the machine is mounted. The object of the invention is to obtain a seed-planting machine of the class specified, which will be simple in construction, not liable to get out of repair, and under the complete control of the operator while sitting or riding upon the machine. In the accompanying sheet of drawings—

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 vertical section of one of the seed-boxes and its seed-distributing device, taken in the line *y y*, fig. 2.

Similar letters of reference indicate like parts.

A represents a rectangular frame, which is mounted upon wheels B B, the latter being permanently attached to the axle which is fitted in suitable bearings at the under side of the frame A. C is the driver's seat, on the rear part of the frame A, and D D' are two shafts, one, D, being placed in the front part of the frame A, and the other, D', placed at the rear part thereof. These two shafts have arms, *a a*, attached, projecting upward and connected at their upper ends by a rod, E, which insures a simultaneous turning movement of the two shafts. To the front shaft D there are attached two plough standards, F F, having ploughs, *b*, at their lower ends, of the usual or any proper construction, and to the rear shaft D' there are attached four standards, G, having ploughs, *b'*, at their lower ends. These ploughs, it will be seen, may all be raised out of the ground by turning the shafts D D', and the depth of the penetration of the ploughs into the earth may be regulated by taking up or letting out chains, H, which are attached to the lower parts of the plough standards and to the frame A, as will be fully understood by referring to fig. 1. The ploughs may be elevated to plough at a less depth than the chains H will allow, by engaging a lever, I, attached to the rear shaft D', with a notched segment-bar, J, on the frame A. On a cross-bar, K, on the frame A, there are placed two seed-boxes, L L, underneath each of which there is a reciprocating slide, M, having a hole, *c*, made through them. These slides M work in grooves in the under side of the cross-bar K, and openings, *d*, are made in K to admit of the seed passing down to K, as will be fully understood by referring to fig. 3. The front ends of the slides M M are attached to springs, N N, which are attached to the front edge of the cross-bar K, and these springs have a tendency to keep the slides M pressed backward, so that their holes *c* will be in line with the openings *d* in K. O O are seed-spouts attached to the frame A, underneath the cross-bar K, and a trifle in front of the openings *d* in K, and each slide M is provided at its front end with a pendent pin, *e*, with which pins, *f*, on wheels, P, engage as the machine is drawn along, the wheels P being on a shaft, Q, in the front part of the frame A, which shaft is rotated by a belt R, from the axle of the wheels B B. This belt R may be made tight or loose by means of a friction-roller, S, fitted in the lower end of a lever, T, the fulcrum of which is an arm, *g*, attached to the centre of the cross-bar K. By this means the seed-dropping mechanism may be rendered inoperative at any time simply by actuating the lever T so that the roller S will not press upon the belt R. As the machine is drawn along, the front ploughs *b* make the furrows to receive the seed, said furrows being in line with the seed-spouts O O, and the seed is discharged from the same each time the slides M M are moved forward under the action of the pins *f*, on the wheels P, against the pendent pins *e* of the slides M, the holes *c* in the slides, at the termination of their forward movement, being brought over the spouts O so that the seed in *c* will be discharged in O, and said holes *c* filling with seed each time the springs N N force the slides back. The seed is covered by the rear ploughs *b'*, which work one at each side of the furrows made by the front ploughs *b*, and throw the earth into the furrows upon the seed. It will be seen from the above description that the seed-distributing device, as well as the ploughs, are under the complete control of the operator or driver on his seat C.

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

1. The two shafts D D', connected by the rod E, and provided with standards F G, having ploughs *b b'*

respectively attached, whereby the ploughs of both standards may be simultaneously raised by the operator or driver, substantially as set forth.

2. The rotating of the shaft Q, from the axle, by means of a belt, R, arranged in connection with a friction-roller S, substantially as and for the purpose specified.

3. The seed slides M M, in combination with the springs N N, and the wheels P P, provided with the pins *ff*, all arranged to operate in the manner substantially as and for the purpose set forth.

The above specification of my invention signed by me this 27th day of November, 1866.

ROBERT B. WRIGHT.

Witnesses:

C. H. SHOWALTER,

T. M. WHITEHEAD.