

(No Model.)

T. C. GARLINGTON.

PLANTER.

No. 330,975.

Patented Nov. 24, 1885.

Fig. 1.

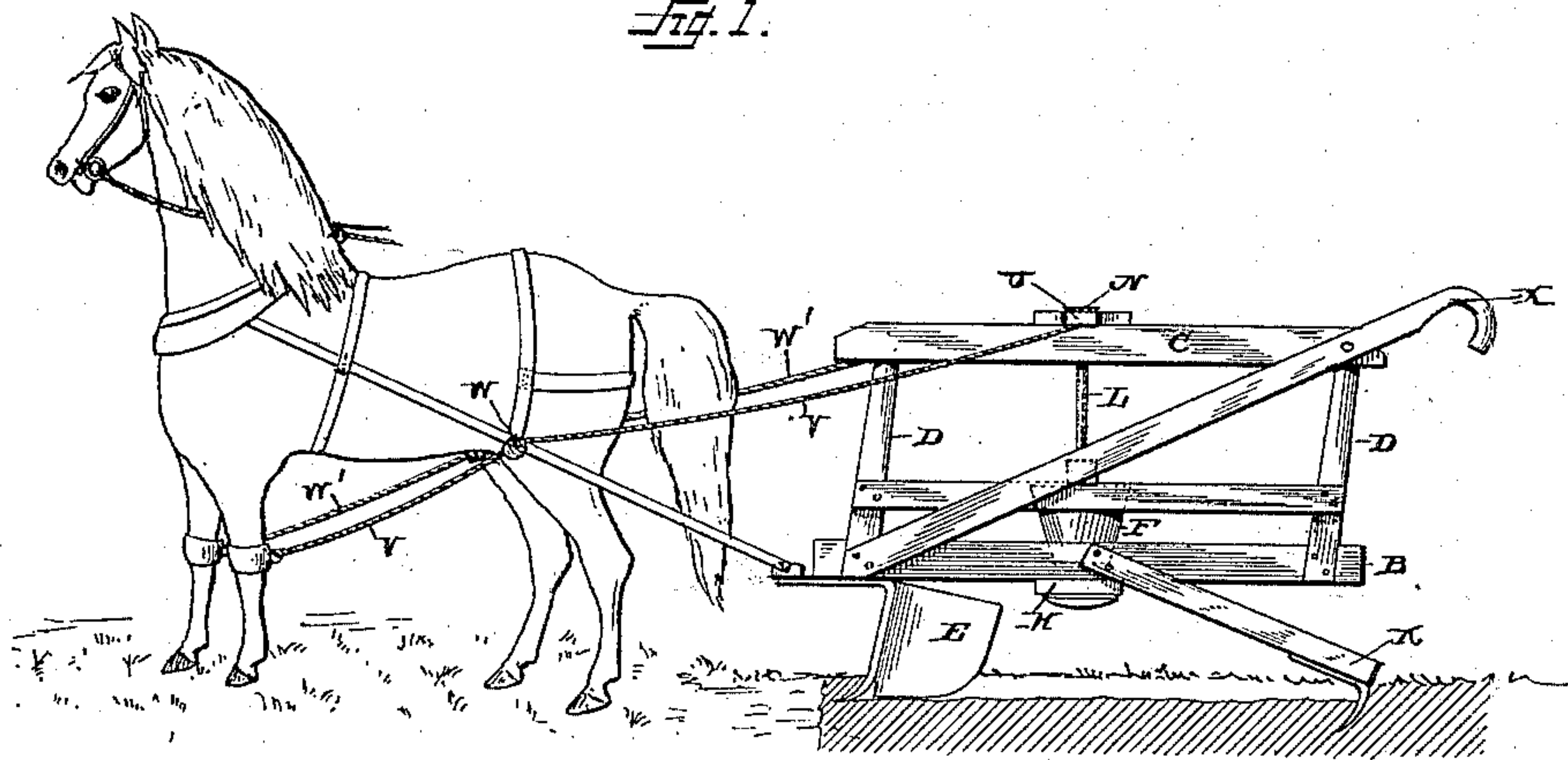


Fig. 2.

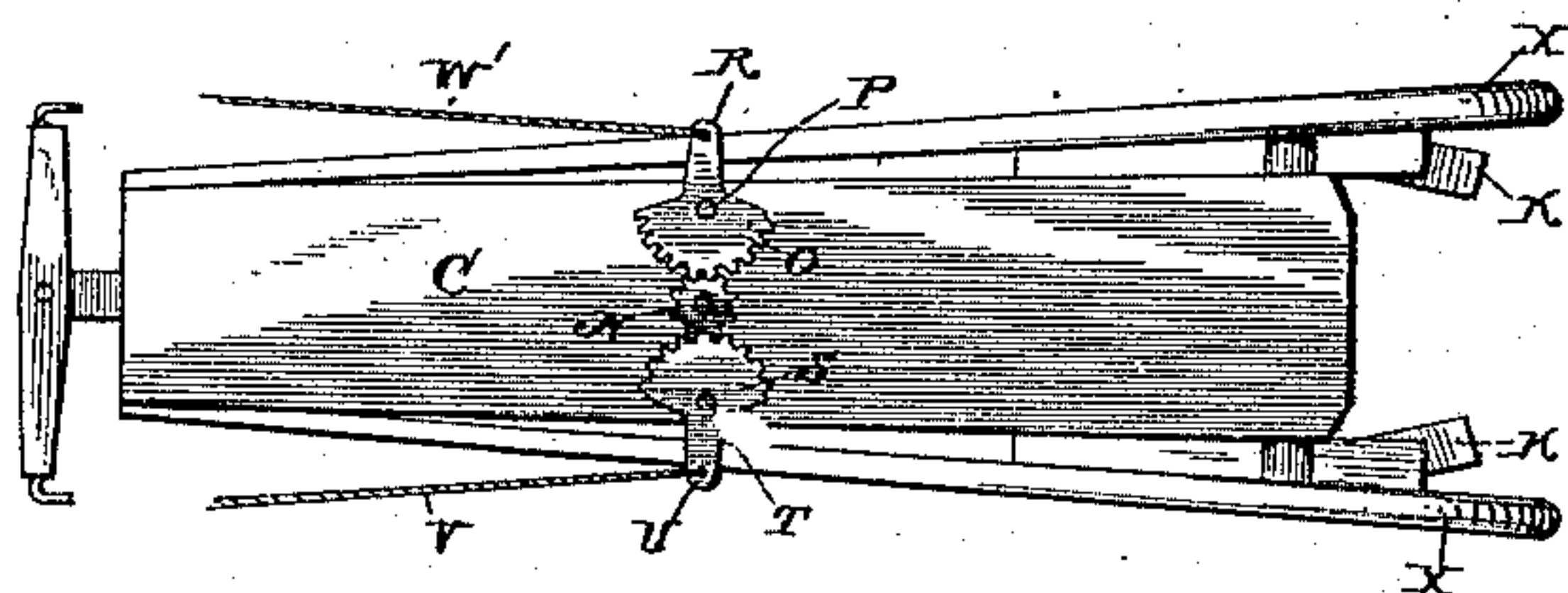
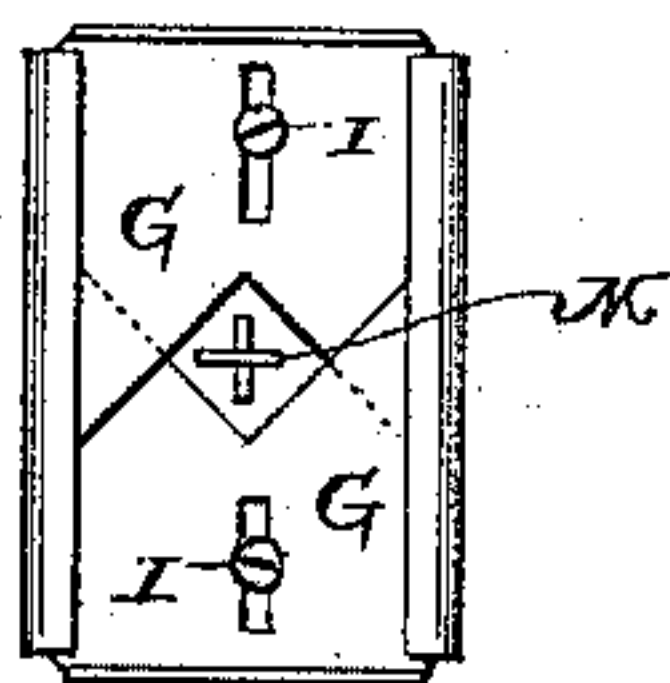


Fig. 3.



WITNESSES

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THOMAS C. GARLINGTON, OF LAFAYETTE, ALABAMA.

PLANTER.

SPECIFICATION forming part of Letters Patent No. 330,975, dated November 24, 1885.

Application filed April 18, 1885. Serial No. 162,684. (No model.)

To all whom it may concern:

Be it known that I, THOMAS C. GARLINGTON, a citizen of the United States, residing at Lafayette, in the county of Chambers and State of Alabama, have invented a new and useful Improvement in Planters, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to an improvement in cotton-planters; and it consists in the peculiar construction and combinations of devices that will be more fully set forth hereinafter.

In the accompanying drawings, Figure 1 is a side elevation of a corn-planter embodying my invention. Fig. 2 is a top plan view of the same; Fig. 3, a detail view of the bottom of the hopper.

A represents the frame, which consists of the longitudinal beams B, and the beam C, supported above the beams B by the knees or standards D. To the front end of this frame is secured a furrow-opener, E, in rear of which, between the beams B, is secured an inverted conical-shaped hopper, F, having an opening in its lower end. This opening is adapted to be enlarged or partly closed by means of slides G, which are secured to a cross-beam, H, that forms the bottom of the hopper, by means of set-screws I, which pass through slots formed in the slides, as shown in Fig. 3. The slides G, two in number, move in suitable ways or guides, and have their outer ends turned down to provide a finger-hold, and their inner ends formed with a V-shaped groove or notch. When the slides are placed together, with their inner ends lapped over each other, the corresponding V grooves or notches form a rectangular opening or space between the slides for the passage of the seed. The diameter or width of this opening or space may be increased as desired by adjusting the slides farther outward in the manner well known. To the rear of the frame are secured coverers K, which work in rear of the furrow-opener and of the hopper.

L represents a vertical shaft, which is journaled in the frame A, and which extends down through the center of the hopper. To the lower end of this shaft are secured stirring devices M, and to its upper end, above the beam C, is fixed a spurred pinion, N.

O represents a segmental spurred gear-wheel, which is fulcrumed to the beam C, as

at P, and meshes with the pinion N. An arm, R, extends out from one side of the segmental gear O.

S represents a similar segmental gear-wheel, which is fulcrumed to the beam C, as at T, and is provided with an outwardly-extended arm, U. The gear S also meshes with the pinion N.

To the front of the frame is attached a draft-animal in the ordinary way, and to one of the four legs of the animal is attached a cord, V, which passes through a sheave, W, secured to one of the traces, and extends back and is connected to the arm U. A similar cord, W', connects the opposite fore leg of the animal in a similar manner with the arm R. As the animal advances the motion of his fore legs is imparted to the segments S and O, and through them to the pinion N, which causes the shaft L, having the stirrers in the hopper, to rotate first in one direction and then in the contrary direction, and thereby agitate the seed in the hopper and cause them to be dropped through the opening in its bottom into the furrow.

Handles X are secured to the frame in the usual way.

A cotton-planter thus constructed is exceedingly cheap and simple, and is thoroughly efficient in operation.

Having thus described my invention, I claim—

1. The combination of the frame, the furrow-opener, the hopper, the stirring-shaft located in the hopper, the pinion N, secured to said shaft, segment-gears S O, meshing with said pinion, and having the arms R and U, said arms being adapted to be operated by being attached to the legs of the draft-animal, substantially as shown and described.

2. The hopper, in combination with the stirrer-shaft, the pinion N on the latter, the gears meshing with the pinion, cords or chains V W', connecting with the gears, pulleys W, fitted to the traces, and through which the cords pass, the ends of the cords or chains being attached to both the fore legs of a draft-animal, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

THOMAS C. GARLINGTON.

Witnesses:

C. H. GREER,
J. W. LAWS.