G. M. TITUS.
Corn-Planter.

No. 210,225. Patented Nov. 26, 1878.

Fig. 1.

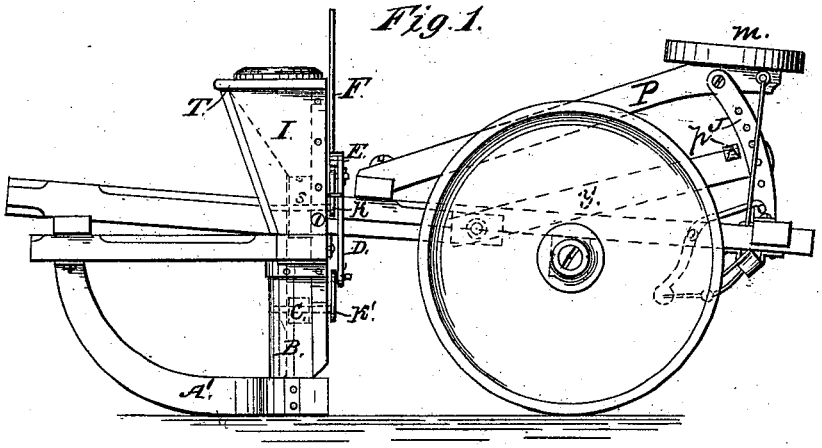
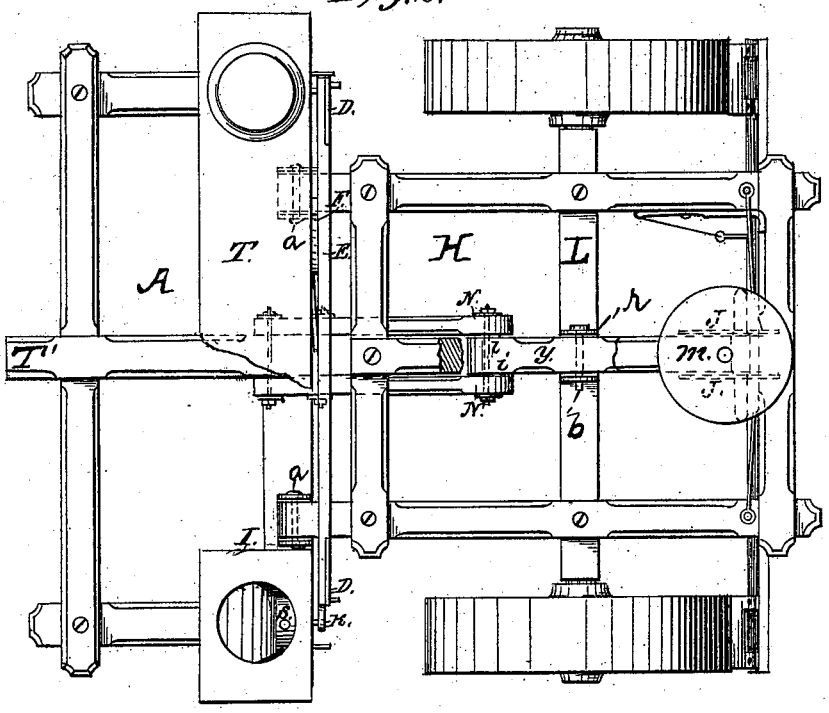


Fig. 2.



Witnesses

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GEORGE M. TITUS, OF ROCK FALLS, ILLINOIS.

IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. **210,225**, dated November 26, 1878; application filed July 7, 1876.

To all whom it may concern:

Be it known that I, GEORGE M. TITUS, of Rock Falls, Whiteside county, Illinois, have invented a new and useful Improvement in Two-Horse Corn-Planters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification.

This invention relates to corn-planters; and the novelty consists in the combination, with the tongue-frame, of side bars attached to the rear end of the tongue, to which and to the axle is pivoted a lever provided with stirrups, working between perforated segments, operated by the driver from his seat, as will be hereinafter more fully set forth.

In the accompanying drawings, Figure 1 is a longitudinal side view of my improved corn-planter. Fig. 2 is a plan view of the same.

In the annexed drawings, the letter A represents the forward frame, carrying the runners or furrowers A′, the tongue T′, and the planting mechanism, which consists of the hoppers I, having for their bottoms the vertical wheels *s*, journaled in the sides of the hopper, seed-conducting tubes B, communicating with the hoppers, and provided with the flat plate *c*, journaled in the sides of the conducting-tubes B, forming a valve, and operated by the cranks *k k′*, connected together by the pitman D, the whole operated by the lever F. The vertical wheel *s*, forming the bottom of the wedge-shaped hopper, is provided with a series of pockets or openings for the reception of the corn, which is discharged by the operating mechanism upon the plate *c*, where it remains until ready to be deposited, when it is discharged intermittently by the mechanism heretofore described. To plant two rows of corn at the same time, two hoppers with the same mechanism are employed, connected by the connecting-rod E, as shown in Fig. 2 of the drawings.

The letter H represents the rear frame, attached at its middle to the axle L, and pivoted at its front end to the rear part of the tongue-frame by means of the shackle *a*, as shown. To the rear end of the tongue are firmly secured the side bars N N, between the rear ends of which is pivoted the lever Y by the bolt *i*. This lever is fulcrumed in the chair *r* by the bolt *b*, and is also provided, at its rear end, with stirrups *p*. The lever Y, in its oscillation, passes between two segments, J, in the perforations of which is inserted a pin, where desired to limit the upward play of the lever. The rear frame, H, is provided with a centrally upward inclined bar, P, on the outer end of which is arranged the driver's seat *m*. This inclined bar P is supported at its outer end by the segments J.

The depth of the furrow is varied as follows: The driver being straddle of his seat, with his feet on the stirrups, if it is desired to deepen the furrow, the driver throws his weight upon the stirrups, lowering the rear end of the lever Y, which raises the rear end of the tongue-frame and its runners and forces the front ends of the runners into the soil to form deeper furrows.

What I claim as my invention is—

In a seed-planter, the combination, with the tongue and its side bars N N, of the lever Y, having stirrups *p*, and pivoted to the axle and to bars N, perforated segments J J, with a stop-pin, and seat *m*, substantially as and for the purpose set forth.

GEORGE M. TITUS.

Attest:
V. S. FERGUSON,
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