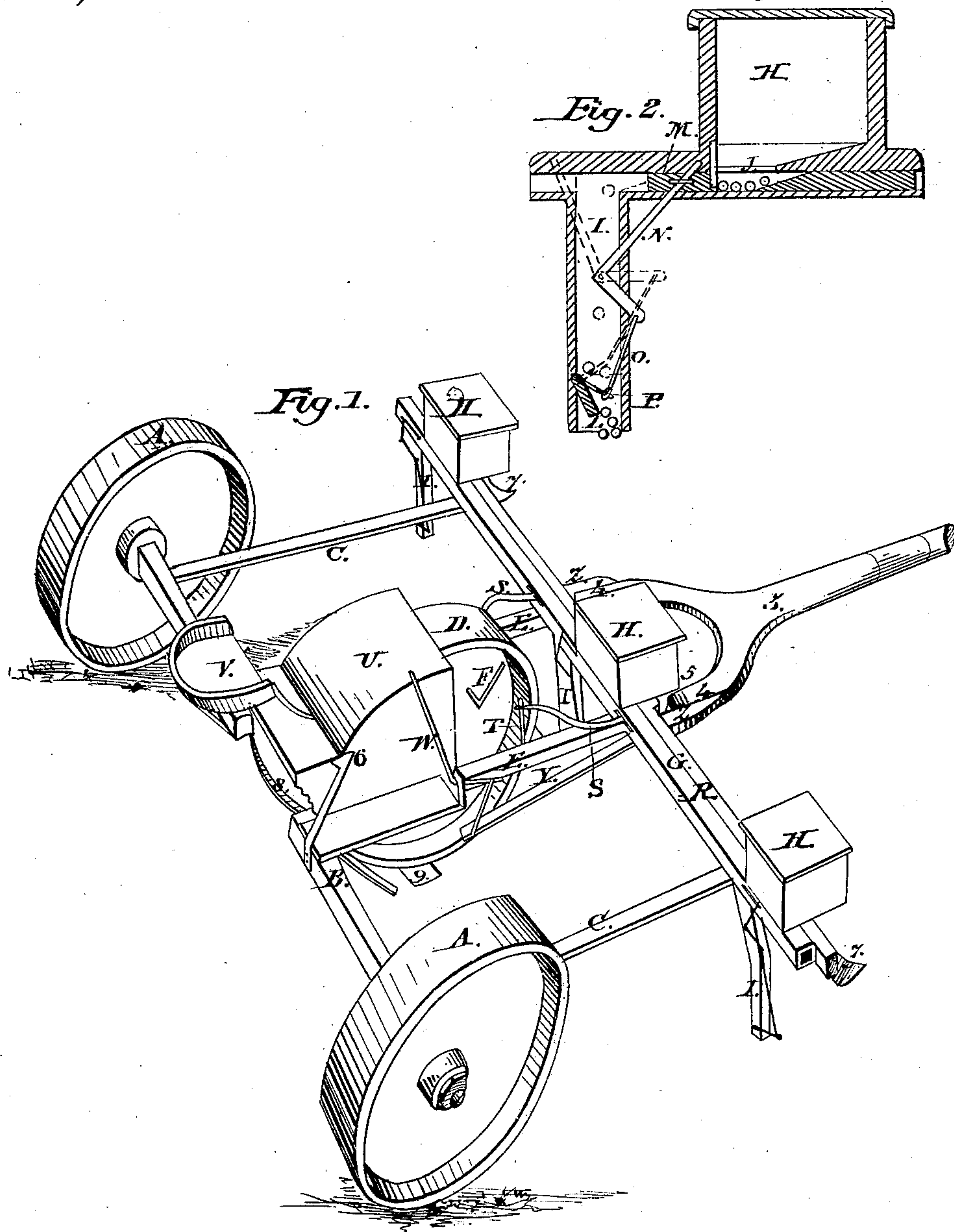


*G. F. Partridge,*

*Corn Planter,*

*N<sup>o</sup> 82,155.*

*Patented Sep. 15, 1868*



*Witnesses:*  
*H. F. Eberts*  
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*Per attorney*  
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# United States Patent Office.

GEORGE F. PARTRIDGE, OF ADRIAN, MICHIGAN.

*Letters Patent No. 82,155, dated September 15, 1868.*

## IMPROVEMENT IN CORN-PLANTERS.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO WHOM IT MAY CONCERN:

Be it known that I, GEORGE F. PARTRIDGE, of Adrian, in the county of Lenawee, and State of Michigan, have invented a new and useful Improvement in Corn-Planting Machines; and I do hereby declare that the following is an accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and making a part of this specification.

Figure 1 is a perspective view of my machine, looking from the rear.

Figure 2 is an interior view of one of the hoppers and spout partly in section.

The same letters indicate like parts in each figure.

The nature of this invention is to secure, by proper mechanism, the accurate dropping of corn in planting in one or more rows, as may be desired.

In order to accomplish this object, I attach, in the ordinary way, the wheels A to the axle B, to which is attached the frame C, which carries the working parts of the machine. Forward of the axle, and midway between the wheels A, works or rotates the wheel D, upon a proper shaft, whose journals work in suitable boxes or holes in the parallel bars E. This wheel D is provided with projections F upon its sides, set at required distances apart, to govern the distance between the hills. Upon each end of the front bar G, and also in the centre of its length, I fasten the hopper H, provided with a horizontal and perpendicular spout, I. Fitted to and working in the horizontal part of this spout, is a slide, K, provided with a suitable slot or opening, J, of sufficient size to receive as many kernels of corn as is proper to be planted in one hill. Near the lower end of the perpendicular part of the spout, I pivot the valve L, which, when closed, entirely fills the interior of the spout. At one end of the slide K, I fasten a staple, or other proper device, M, which holds and governs the motion of the bent or elbowed lever N, to which is attached the connecting-rod O, which gives motion to the bell-crank P, to which is rigidly attached the valve L. To the opposite end of the slide K is attached a connecting-rod, which passes under the shield R, and which connecting-rod is attached to the arms S, upon the outer ends of which are hung the bent or elbowed levers T, which, at the elbow, are pivoted to the bars E, in such a manner that the shorter arms of the levers will engage with the projections F on the wheel D.

By this arrangement, the forward motion of the wheel D compels the projections F on its sides to engage with the bent or elbowed levers T, giving motion, a vibrating one, to the arms S, the connecting-rods under the shield R, and the slide K, so that, as the slot J is under the hopper H, it is filled with the proper proportion of seed. The reverse motion of the above parts causes the slide K to move in the opposite direction, carrying the slot J along the horizontal, to and over the perpendicular part of the spout I, when the seed drops through the slot into the valve L, which is closed. When the slide K returns to the hoppers for a fresh supply of seed, it compels the bent or elbowed lever N, by means of the connecting-rod O and bell-crank P, to open the valve L, and allows the seed to drop so short a distance to the ground that the seed will not be scattered.

Attached to the axle B, and to the parallel bars E, and surmounting the same, is placed the shield U, to which is attached the driver's seat V. To the front part of the shield is pivoted the bent or elbowed lever W, which is connected, by a proper rod, X, to the ends of the bars Y, the other ends of which are attached rigidly to the bends Z of the pole 3, which is attached to the hounds 4 by the rod 5 in the usual manner.

This last-described apparatus is for the purpose of raising the wheel D and the entire front part of the machine from the ground, when desired, and the lever W may be held in position by the hooked standard 6, which is firmly fastened to the axle B.

7 are cultivator-teeth, attached to the front bar G, in any proper way, so that they will open the ground directly in front of the spouts I, while all the wheels, A and D, are so arranged that they will track upon the furrows opened by the teeth 7, and cover the seed when dropped.

8 is a diagonal scraper, firmly fastened to the axle B, in such a manner as to keep clean the face of the wheel D.

9 are lugs upon the sides of the face of the wheel D, and their impression upon the ground, as the wheel passes over it, marks the position of the rows planted.



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

1. The hopper H, horizontal and perpendicular spout I, slide K, valve L, lever N, connecting-rod O, bell-crank P, arms S, levers T, all being operated by the projections F upon the sides of the wheel D, when constructed and arranged substantially as herein set forth.

2. The lever W, rod X, bars Y, in connection with the bends Z, pole 3, hounds 4, and rod 5, when operating substantially as and for the purpose herein described.

3. The combination and arrangement of the above-named parts with wheels A and D, axle B, frame C, parallel bars E, front bar G, standard 6, cultivator-teeth 7, scraper 8, lugs 9, when constructed, arranged, and operating substantially as and for the purposes herein specified.

GEO. F. PARTRIDGE.

Witnesses:

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