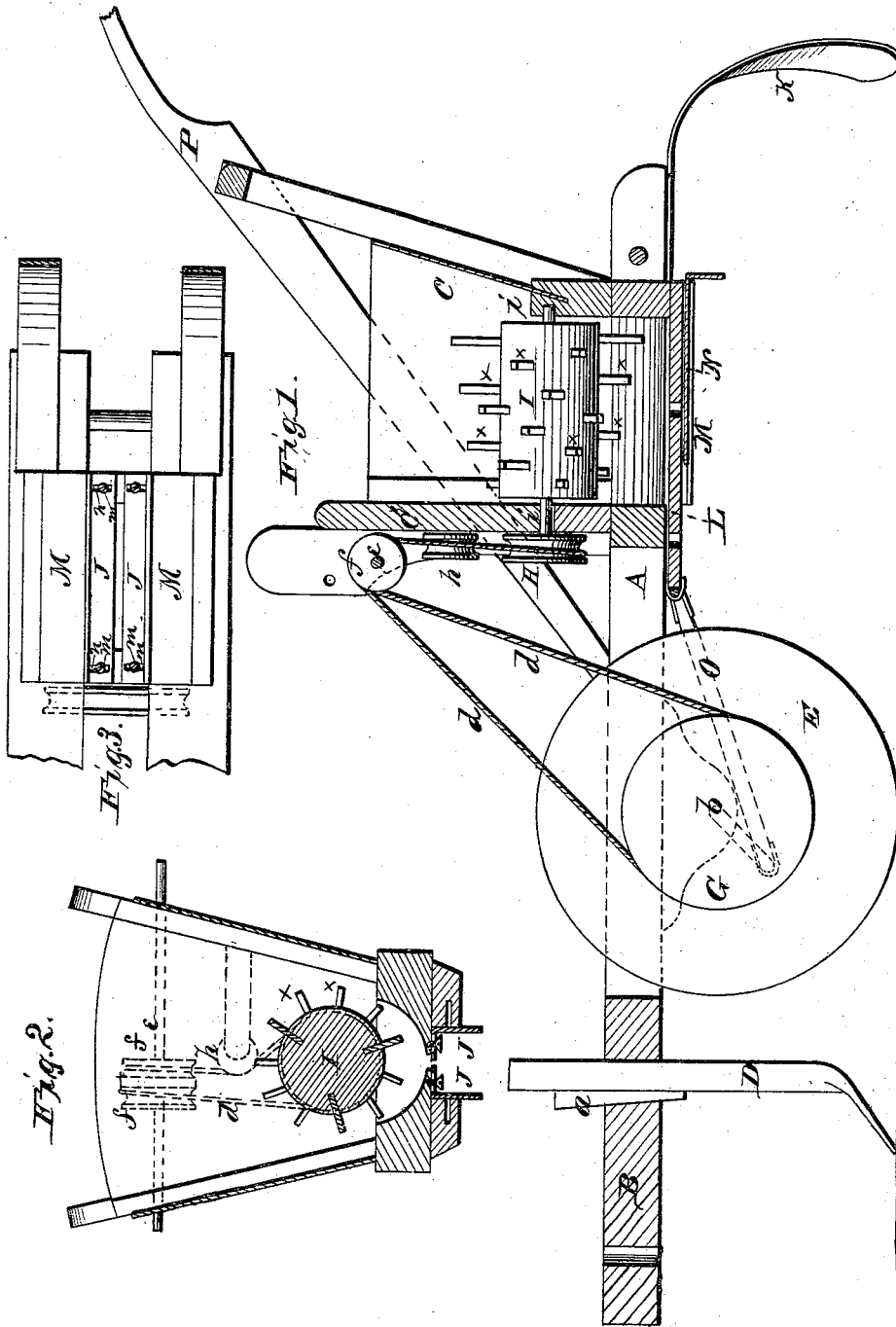


W. A. BRYANT & G. W. D. PARTRIDGE.
SEED-PLANTER.

No. 191,104.

Patented May 22, 1877.



WITNESSES
Frank L. Durand
C. L. Overh

INVENTOR
W. A. Bryant
G. W. D. Partridge
By
Alexander Mason
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM A. BRYANT AND GEORGE W. D. PARTRIDGE, OF GOOD WATER,
ALABAMA.

IMPROVEMENT IN SEED-PLANTERS.

Specification forming part of Letters Patent No. **191,104**, dated May 22, 1877; application filed
June 7, 1876.

To all whom it may concern:

Be it known that we, WILLIAM AUGUSTUS BRYANT, and GEORGE WASHINGTON DOME PARTRIDGE, of Good Water, in the county of Coosa, and in the State of Alabama, have invented certain new and useful Improvements in Seed-Planter; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of our invention consists in the construction and arrangement of a corn and seed planter, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a longitudinal section of our invention. Fig. 2 is a transverse vertical section through the seed-box. Fig. 3 is a bottom view of the same.

A A represent two parallel bars or beams, held a suitable distance apart by having the tongue B fastened between their front ends, and the bottom of the box or hopper C fastened between their rear ends.

In the rear end of the tongue B is fastened the furrow-opener D. The shank of the furrow-opener is passed through a mortise in the tongue, and held by a wedge-shaped key, *a*, by which means the opener can be easily and quickly adjusted up or down, as required.

Immediately back of the tongue A, between the beams A A, is a driving-wheel, E, mounted upon a shaft, *b*, and provided on one side with a pulley, G. Around this pulley is passed a cord, *d*, which runs over pulleys *f f* and rod E in the projecting side pieces of the box or hopper C, and thence around a pulley, H, on the journal of a cylinder, I, so as to impart motion to said cylinder. *h* is an idle roller or pulley, arranged as shown in Fig. 2, simply to guide the cord *d* from the pulley H.

The cylinder I is located in the lower part of the seed-box C, longitudinally with the frame A, with its journals *i i* in the front and back thereof, the front journal passing through the box and provided with the pulley H.

The cylinder I is provided with a number of spikes, *x x*, for agitating the seed, which is then dropped through an elongated longitudinal slot or opening in the bottom of the hopper. Under this bottom are two flanged plates, J J, adjusted to or from each other by screws *m* passing through slots *n* in the plates, whereby the opening in the bottom of the seed-box may be made wider or narrower, as required, for dropping more or less seed.

To the rear end of each beam A is attached a coverer, K.

When this machine is to be used as a corn-drill, the front C' of the hopper is first removed, when the cylinder I is easily removed, and the cord *d* taken off, and the front C' put back in place. The adjustable plates J are then also removed, and between guides M M, under the bottom of the hopper, is placed the dropping-slide L, held between them by a slide, N, inserted in grooves in the inner sides of the guides M. The front end of the dropping-slide L is then, by a pitman, O, connected with a crank on the shaft *b*, or with an eccentric thereon, whereby the slide L obtains the required reciprocating motion to drop the corn at regular intervals.

Pease may also be dropped by this device.

P P are the handles fastened to the beams A and arranged in any suitable manner.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In combination with the frame A and hopper C, provided with longitudinal slot in its bottom, and the laterally-adjustable plates J J, the longitudinally-placed spiked cylinder I, having pulley H, pulleys *f f*, endless cord *d*, and the driving-wheel E, provided with pulley G, all constructed substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 22d day of May, 1876.

WILLIAM AUGUSTUS BRYANT.
GEORGE WASHINGTON DOME PARTRIDGE.

Witnesses:
E. R. WARE,
JOHN F. VARDEMAN.