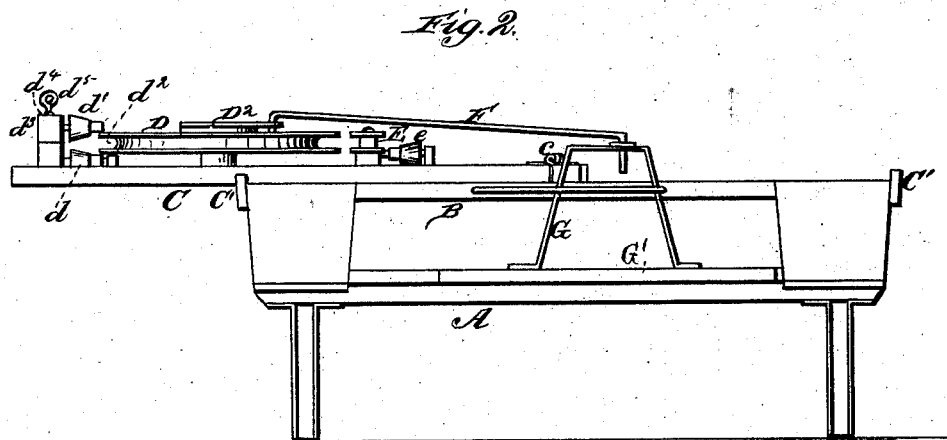
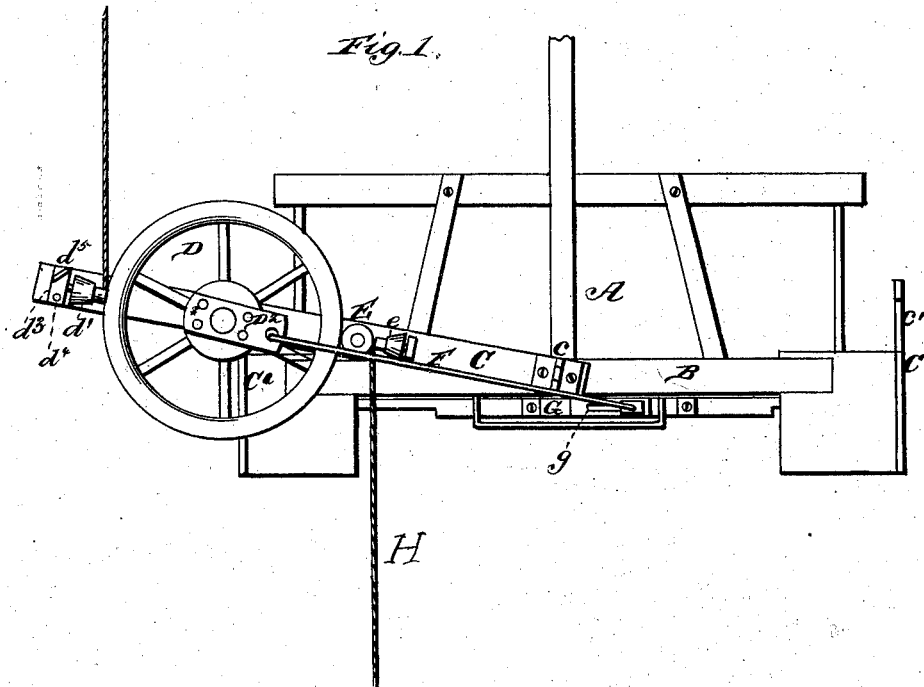


O. B. SEAMANS & J. H. GLEZEN.  
Corn-Planter.

**No. 216,226.**

**Patented June 3, 1879.**



WITNESSES

Robert Everett  
W. M. Severance

INVENTORS

Oscar B. Seamans &  
James H. Glezem  
Gilmors. Smith & Co.  
ATTORNEYS

# UNITED STATES PATENT OFFICE.

OSCAR B. SEAMANS AND JAMES H. GLEZEN, OF COALVILLE, IOWA, ASSIGN-  
ORS OF ONE-THIRD THEIR RIGHT TO EUGENE A. RANNEY, OF SAME  
PLACE.

## IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. **216,226**, dated June 3, 1879; application filed  
April 12, 1879.

*To all whom it may concern:*

Be it known that we, OSCAR B. SEAMANS and JAMES H. GLEZEN, of Coalville, in the county of Webster and State of Iowa, have invented certain new and useful Improvements in Corn-Planters; and we 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, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan of our corn-planter, and Fig. 2 is a side-elevation view of the same.

Identical parts in the drawings are designated and referred to by the same letters.

Our invention relates to that class of seeders or corn-plinters which are operated by a rope, each end of which is secured at opposite sides of the field; and it consists in a feeding-wheel, operated by the rope, located upon a hinged arm, so that the feeding-wheel may be changed from one side of the machine or planter to the other, and provided with guiding and return pulleys, in connection with the usual dropping devices, as will herein more fully appear.

A is a common corn-planter, to which our invention is attached. B is a transverse beam, connecting the hoppers, to which is centrally attached the arm C by the pivoted hinge *c*, which enables this arm to be raised to a perpendicular position and changed from one side of the planter to the other at will by the operator. Toward the outer end of this arm is a stud, *d*, having the pulley D.

Upon the outer end of the arm are two guide-pulleys, *d* *d*<sup>1</sup>, cone-shaped, located so that their apexes embrace the periphery of the pulley D, and serve as guides to keep the rope in the groove *d*<sup>2</sup> of the pulley D.

The guide-pulley *d*<sup>1</sup> is supported by a stud, which is located in the piece *d*<sup>3</sup>, which is pivoted by the pin *d*<sup>4</sup> to the support of the pulley *d*, and retained in position by the pin *d*<sup>5</sup>, so that the pulley *d*<sup>1</sup> may be swung off for the introduction of the rope, and the same retained by replacing the pulley *d*<sup>1</sup>.

E is a return pulley or idler, located on the

arm C near the periphery of pulley D, and opposite the guide-pulleys *d* *d*<sup>1</sup>, provided with a cam-guide pulley, *e*.

F is a connecting-rod, connecting the crank D<sup>2</sup> of the pulley D with the standard G. This standard has a slot, *g*, for the reception of the connecting-rod, of such length that the standard is moved by the crank D<sup>2</sup> only one-half of its sweep. This standard is attached to the feed-bar G', which is of common construction, and so arranged as to feed at each reciprocal motion.

By means of the slot in the standard the dropping of the seed is done quickly, avoiding a slow and pottering motion.

The usual stakes upon the opposite sides of the field are employed, and a rope, H, passes half-way around the pulley D, and returned by the return-pulley E in the direction in which it was trending before reaching the pulley D.

The arm C is supported alternately by the arms C', provided with the recesses *c'*, which retain the arms in their operative position.

Before the operator turns the planter at the end of a row he throws the rope upon the ground, lifts the arm C to an upright position, and thus avoiding hitting his team or parts of the planter, places it upon the opposite supporting-arm C', turns his planter, properly sets his stakes, attaches the rope, and proceeds, the connecting-rod F having first been removed before reversing the arm C, and returning it to position after the change has been made.

What we claim is—

In a corn-planter, the arm C, attached to the planter by the pivoted hinge *c*, and provided with the pulley D, the return-pulley E, the cam-guide pulleys *e* and *d*, and the pivoted cam-guide pulley *d*<sup>1</sup>, as and for the purposes substantially as set forth.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

OSCAR B. SEAMANS.  
JAMES H. GLEZEN.

Witnesses:

J. B. SCOTT,  
A. H. LEIGHTON.