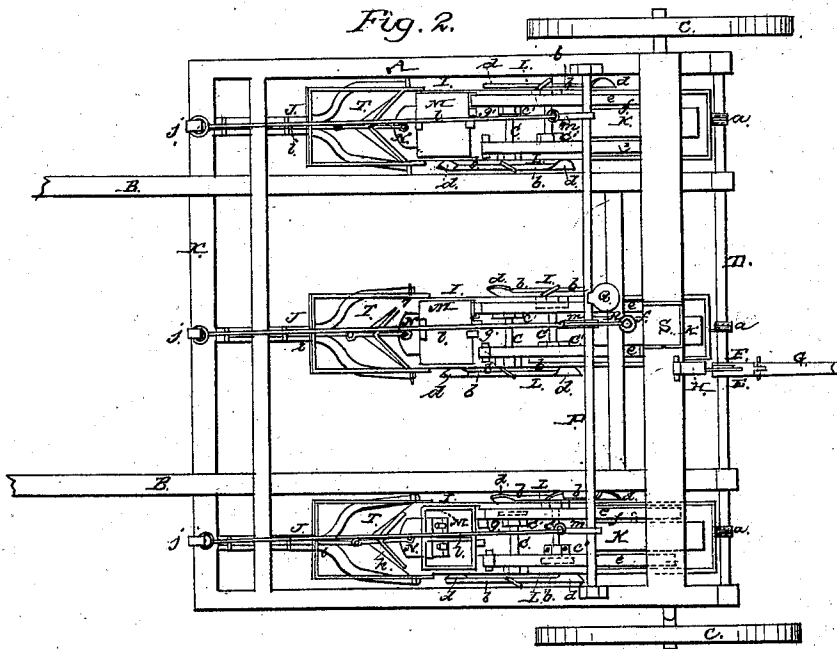
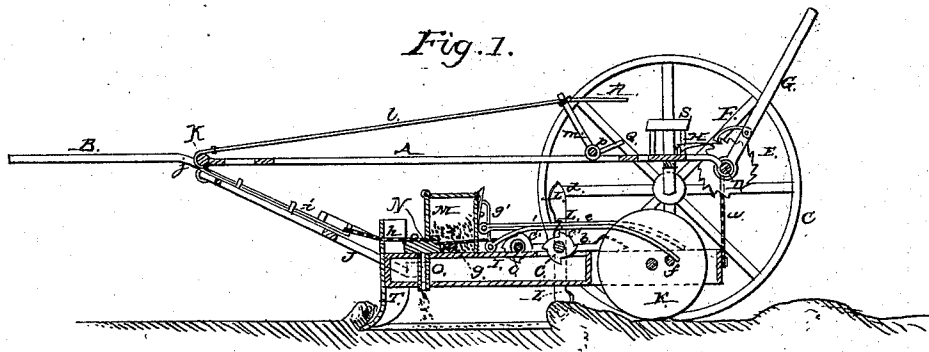


J. F. SEAMAN.

Corn Planter.

No. 15,822.

Patented Sept. 30, 1856.



UNITED STATES PATENT OFFICE.

JNO. F. SEAMAN, OF WALCOTT, NEW YORK.

IMPROVEMENT IN SEED-PLANTERS.

Specification forming part of Letters Patent No. **15,822**, dated September 30, 1856.

To all whom it may concern:

Be it known that I, JOHN F. SEAMAN, of Walcott, in the county of Wayne and State of New York, have invented a new and Improved Machine for Planting Corn and other Seeds; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a longitudinal vertical section of my improvement, the plane of section being through the center. Fig. 2 is a plan or top view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

To enable those skilled in the art to make and use my invention, I will proceed to describe it.

A represents a rectangular framing, to the front part of which shafts B B are attached. The back part of said frame is supported by two wheels, C C.

D represents a shaft, which is placed at the back part of the framing A, said shaft being allowed to turn freely in its bearings. On the shaft D a ratchet, E, is placed, into which ratchet a pawl, F, catches, said pawl being attached to a lever, G, which is fitted loosely on the shaft D.

H is a retaining-pawl, which is attached to the back part of the framing A and catches into the ratchet E.

I I represent frames the back parts of which are attached by cords *a* to the shaft D. The front ends of these frames rest on forked rods J, which are attached to the front end of the framing A.

In the back parts of the framing A rollers K are placed, and a rotary covering-share, L, is placed at each side of each of the frames I. These covering-shares are formed of radial arms *b*, attached to separate axes *c*, the ends of the arms having oblique shovels or blades *d* attached to them. Each axis *c* has a ratchet-stop, *c'*, at its end, into which a pawl, *e*, catches, and the ratchet-stops are freed altogether from the pawls *e* by means of pins *f*, attached to the sides of the rollers K.

On the front end of each frame I a hopper, M, is placed, each hopper having a perforated

sliding plate, N, fitted within it. These plates work through the front ends of the hoppers and over tubes O, (see Fig. 1,) placed within the front parts of the frames I. The back ends of the plates N are attached by cords *g* to springs *g'* on the back sides of the hoppers, and the front ends are attached by cords *h* to rods *i*, which are connected to straps *j*, which pass around the front cross-piece, *k*, of the framing A, said straps being attached to rods *l*, which are connected to arms *m* on a shaft, P, on the framing A. This shaft P has a treadle, Q, attached to it, and a handle or rod, R, is attached to one of the arms *m*, the handle and treadle being near the driver's seat S on the framing.

To the front end of each frame I a furrow-share, T, is attached, the shares being just in front of the tubes O.

The operation is as follows: The frames I are raised or lowered to the desired height by turning the shaft D by means of the pawl F and ratchet E. The seed is placed in the hoppers M, and as the machine is drawn along the shares T make the furrows, and the driver causes the seed to be deposited in the furrows at the desired points by turning the shaft P, by pressing the foot up on the treadle Q, or by operating the handle or rod R by hand. The rotary covering-shares L cover the seed, those on one side of the frame being stationary while covering the seed, while those on the opposite side are rotating in order that they may free themselves of weeds, grass, &c., the shares on the two sides of the frames turning alternately, so that all of them may be kept perfectly clean. The pins *f* raise the pawls *e* at the sides of the frames at the proper time, so that the shares may rotate when they are not required to cover the seed, the pins passing around free from the pawls, so that said pawls may descend and catch into the ratchets *c'* at the proper time, when the shares are to be stationary in order to cover the seeds.

The advantages of the above machine are—

First, the driver may drop the seed at the desired points, so that the seed will be in rows or in line in two directions.

Second, the seed is dropped directly into

the furrows and cannot become scattered, but will be planted in a uniform manner.

Third, the distributing device is simple, and the whole machine may be constructed at a reasonable cost.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The shares L, arranged substantially as shown, so that they may rotate intermittently in order to free themselves of weeds, grass, and other incumbrances.

JOHN F. SEAMAN.

Witnesses:

HIRAM P. JONES,
ISAAC MILLER.