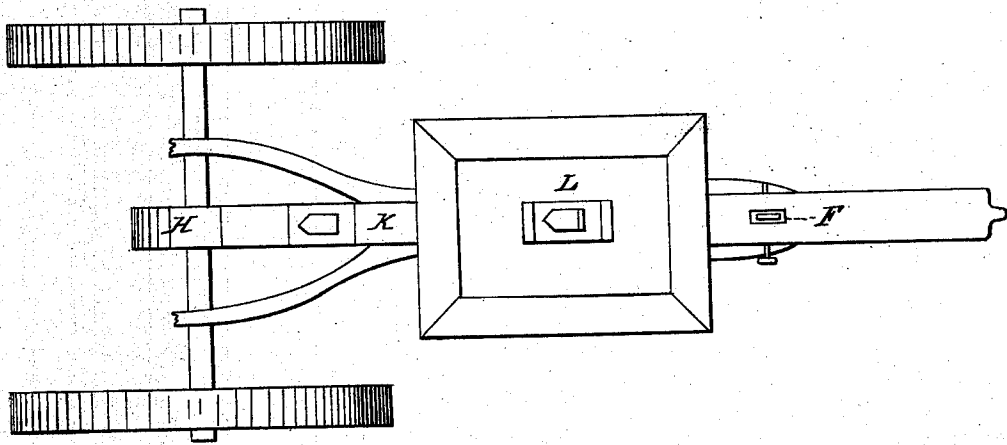
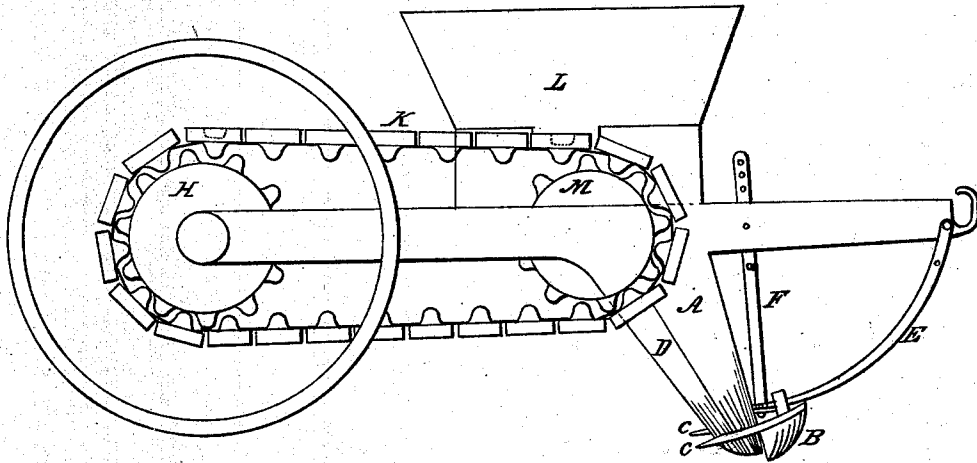


W. E. VERNON.

Corn Planter.

No. 103259.

Patented May 17, 1870.



Witnesses:

Wm. H. Eccles
By Williams

Inventor:

William E. Vernon
by Otto Leising his
Atty

UNITED STATES PATENT OFFICE.

WILLIAM E. VERNON, OF FRANKLIN COUNTY, MISSOURI.

IMPROVEMENT IN CORN-PLANTER.

Specification forming part of Letters Patent No. 103,259, dated May 17, 1870.

To all whom it may concern:

Be it known that I, WILLIAM E. VERNON, of Franklin county, State of Missouri, have invented a new and useful Improvement in Corn-Planters; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and letters of reference marked thereon.

Let Figure 1 represent my invention.

I construct two wheels permanently on a shaft, and to this shaft I attach the gearing and machinery herein described in the ordinary way, so as to be carried by the two wheels.

A is a plow-neck running down from the gearing, to the lower end of which are attached the colter B and flanges C C. D is a tube running down in the rear of the plow-neck, and serves to conduct the corn from the dropper to the rear of the colter B and flanges C C. C C are two metal flanges, commencing at the point of the colter B and running on either side back and inclining downward at the rear. This serves to gage the depth of the colter B and the corn to be planted.

E is an iron brace running from the end of the beam to the point of the colter B, and works on a hinge-joint at the beam, and is fastened, not permanently, to the point of the colter, but passes through a square hole in the point of the colter B, so as to admit the colter's being shoved up or down it at ease. F is a brace working on a hinge-joint at the lower end of the brace E, and passing up through the beam at right angles with the beam. On the upper end of this brace that passes through the beam are a number of holes, and through the beam, so a pin may be passed through, and the colter B by this means may be gaged up or down, as the case may require. The brace E is also supplied with a pin and pin-hole a short distance from the upper end, which serves to hold the colter B up.

When you wish to remove the machine from place to place, run the colter up the brace E

past the pin-hole and stick the pin in below the colter. Then run the brace F down and put the pin in the beam through the last hole of the brace F, and this will shove the lower end of the brace E below the end of the plow-neck A, and will protect it from the ground, while the colter B will be lifted from the ground, and you can move the machine from place to place in this way without injury to it.

H is a cogged wheel fastened on the shaft of the wheels about midway, and serves to move the dropper K, which is an endless strap composed of square blocks, each having a cog, and every third one having an excavation on top to carry the corn from the hopper L, and held together by means of a strap passing through under the cogs. This passes over a wheel, M, situated just above the tube D. These can be taken off at any time and the droppers strung on farther apart or nearer, as may be desired, thus making the hills farther apart or nearer together.

The hopper L is an ordinary hopper, with an opening in the bottom to let the corn through, in the ordinary way.

Of course I do not claim the hopper L as new, nor the application of the bristles or sweeps in the bottom, as applied to dropping corn. Neither do I claim as new the endless belt and wheels, in combination, in a seed-planting machine, for these are old and have been used; but

I claim—

1. The particular construction of the belt K, of wooden or metal blocks strung onto a leather strap, for the purpose of dropping corn.

2. Also, the colter B, with its flanges C C, in combination with the braces F and E, to gage the depth of the neck A in the ground, in a corn-planter.

WILLIAM E. VERNON.

Witnesses:

WM. M. ECCLES,
B. J. WILLIAMS.