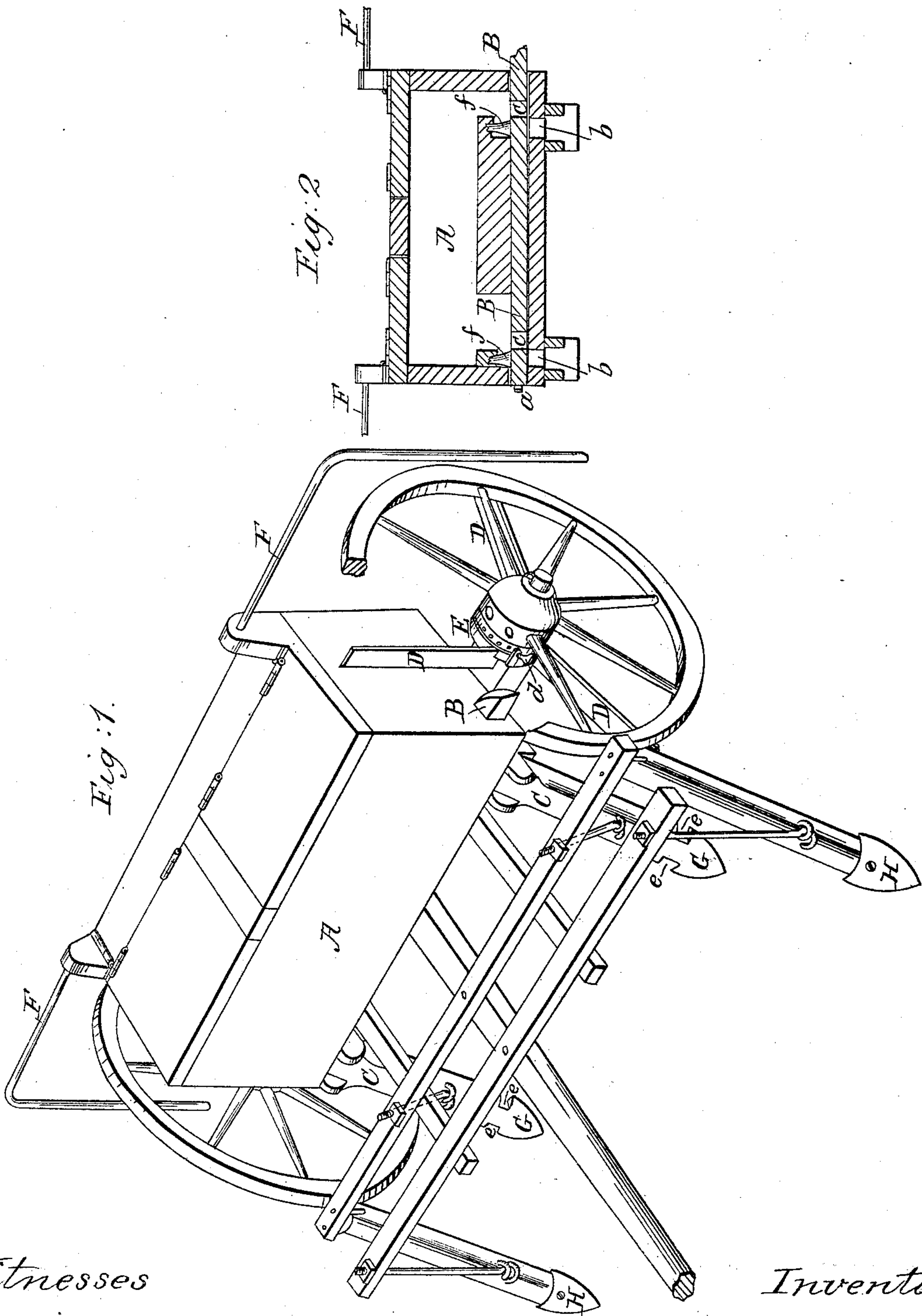


A. L. CROW.

Corn Planter.

No. 90,640.

Patented June 1, 1869.



Witnesses
G. F. Smith.
W. L. DuBois

Inventor.
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ABEL LEE CROW, OF PENNVILLE, INDIANA.

Letters Patent No. 90,640, dated June 1, 1869.

IMPROVEMENT IN CORN-PLANTERS.

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

To all whom it may concern:

Be it known that I, ABEL LEE CROW, of Pennville, in the county of Jay, and State of Indiana, have invented a new and useful Improvement in Corn-Planters; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view, and

Figure 2, a longitudinal vertical section, taken through the seed-box.

The nature of my invention consists in the manner of attaching the arms, which operate the seeding-slide, to the hub, and the shape of the shovels on the seeding-tubes.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the front, and at the bottom of the seed-box A, is a slide, B, one end of which is cut obliquely, and projects outside the end of the seed-box, as seen in the drawing.

At the other end of the seed-box is a spring, *a*, which presses against the end of the slide B, and keeps it in the position shown in the drawing, when not held back by force applied at the oblique end.

In the bottom of the seed-box A are holes *b b*, which are directly over the top of the tubes C C.

In the slide B are also two holes *c c*, of the same size as those in the bottom of the seed-box, but are only over them when the slide is forced back.

The slide B is operated by arms D, which are attached to a loose band, E, which is on the hub of the wheel.

This is held firmly to the hub by a thumb-screw, *d*.

At each end of the seed-box A is hinged a guide, F, which, while the machine is moving along, is kept over the row last planted, thus enabling the operator to keep the rows parallel.

At the lower end of the seeding-tubes O O are shovels G G, which make the furrow in which the corn is to be planted.

In each side of these shovels are notches or openings, *e e*, which allow the loose dirt to pass through and cover the corn.

The shovels H H, in front of the wheels, are for the purpose of levelling the ground, so that the machine will run smoothly.

When it is desired to move the machine without operating it, the set-screw *d* is loosened, allowing the wheel to revolve without moving the arms D. These arms, in their revolution, also mark the ground between the rows of corn.

As the arms D revolve, they successively come in contact with the oblique end of the slide B, (the holes *c c* being filled with corn.) It is forced backward a sufficient distance to bring the holes *c c* over the holes *b b*, which allows the corn to drop down into the tubes C C, and it is deposited in the ground.

As soon as one of the arms D has passed beyond the slide B, the said slide is forced back into its former position by the spring *a*.

Above the slide B, and directly over the holes *b b*, are brushes *f f*, which prevent the corn in the seed-box from running through the holes *b* and *c* while they are opposite each other.

Having thus fully described my invention,

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

The combination of the arms D, loose band E, and the hub, as shown and described.

ABEL LEE CROW.

Witnesses:

REUBEN CROW,
ABIJAH BOND.