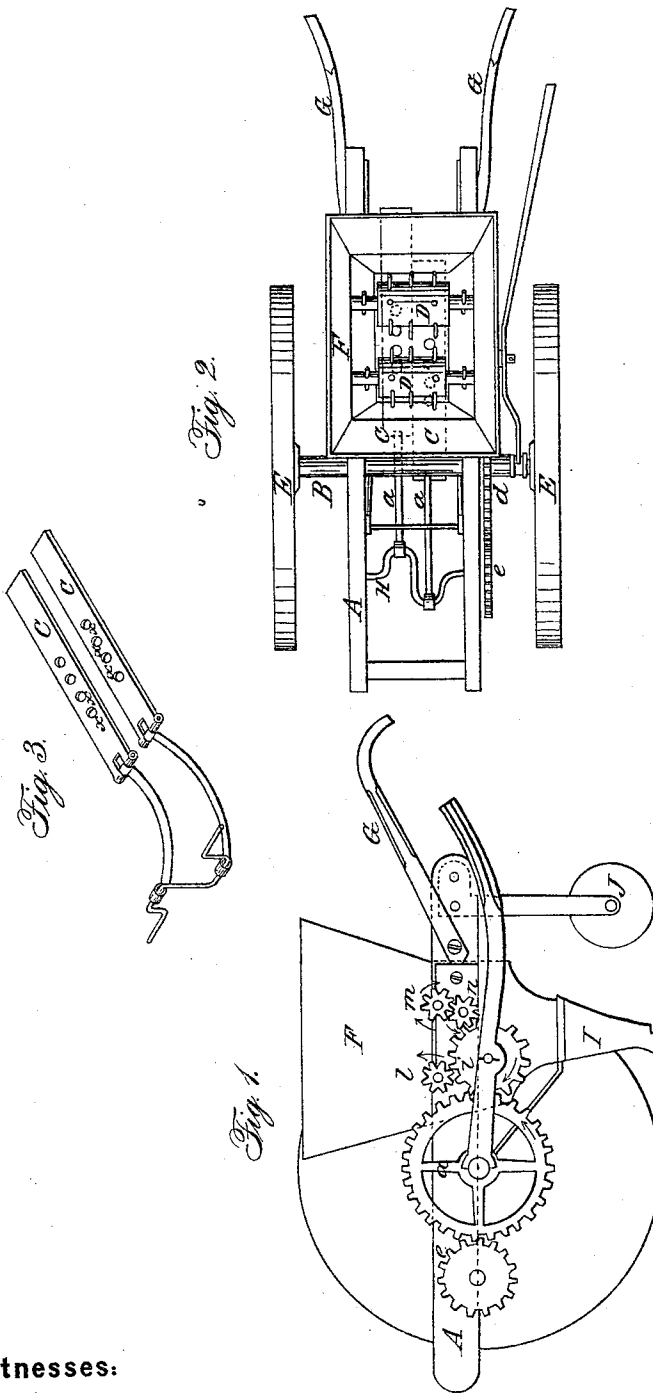


B. OWEN.
Cotton-Planter.

No. 28,896

Patented June 26, 1860.



Witnesses:

C. M. Alexander
Attestman

Inventor:

Benj Owen

UNITED STATES PATENT OFFICE.

BENJAMIN OWEN, OF DAYTON, OHIO.

IMPROVEMENT IN COTTON-SEED PLANTERS.

Specification forming part of Letters Patent No. 28,896, dated June 26, 1860.

To all whom it may concern:

Be it known that I, BENJAMIN OWEN, of Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful improvements in Cotton-Seed Planters; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the arrangement together of those devices which will be hereinafter particularly described.

In the annexed drawings, Figure 1 represents a side elevation with one of the driving-wheels removed. Fig. 2 is a plan view of the machine. Fig. 3 is a perspective of the slides.

In the figures, A represents a frame, which is constructed in any convenient manner, and which is supported upon an axle, B, said axle being supported by means of two driving-wheels, E E, which are secured upon it.

F represents a seed-hopper, which is secured upon the frame A. Across the seed-hopper are placed two cylinders, D D, which are provided with teeth, as represented in Fig. 2. These cylinders are revolved in different directions by means of the gear-wheels. (Seen in Fig. 1.)

d is a large gear-wheel, attached to shaft B, which works into a wheel, e, on one side, which is secured upon crank-shaft H, and into an idle-wheel, i, on the other. The idle-wheel i gears into a pinion, l, which drives one of the cylinders, being upon its shaft, and also into another idle-wheel, n, which gears into a pinion, m, which serves to drive the other cylinder.

H is a crank-shaft placed across the frame

A, and which is driven by the gear-wheel e, as seen. This shaft H is provided with two cranks, which connect with the slides C C by means of connecting-rods a a. When the shaft H turns a reciprocating motion is communicated to the slides C C. These slides are secured immediately under the cylinders and serve to form the bottom of the seed-hopper. They are, moreover, provided with seed-openings x x x, which carry the seed out into the discharge-spout I as it is cut and worked into the said holes by means of the teeth on the cylinders D D.

The seed to be distributed is placed in the hopper, and, being carried between the cylinders D D, it is worked into the seed-openings in the slides, is thence dropped into the discharge-spout, from which it falls to the ground, and is covered by the wheel J or any equivalent device.

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

The arrangement of the cylinders D D with the slides C C, when said cylinders are provided with teeth and revolve in opposite directions to each other, and when the slides are provided with seed-apertures and have an alternate reciprocating motion under the cylinders, substantially as and for the purpose herein specified.

BENJ. OWEN.

Witnesses:

GEO. M. YOUNG,
I. R. YOUNG.