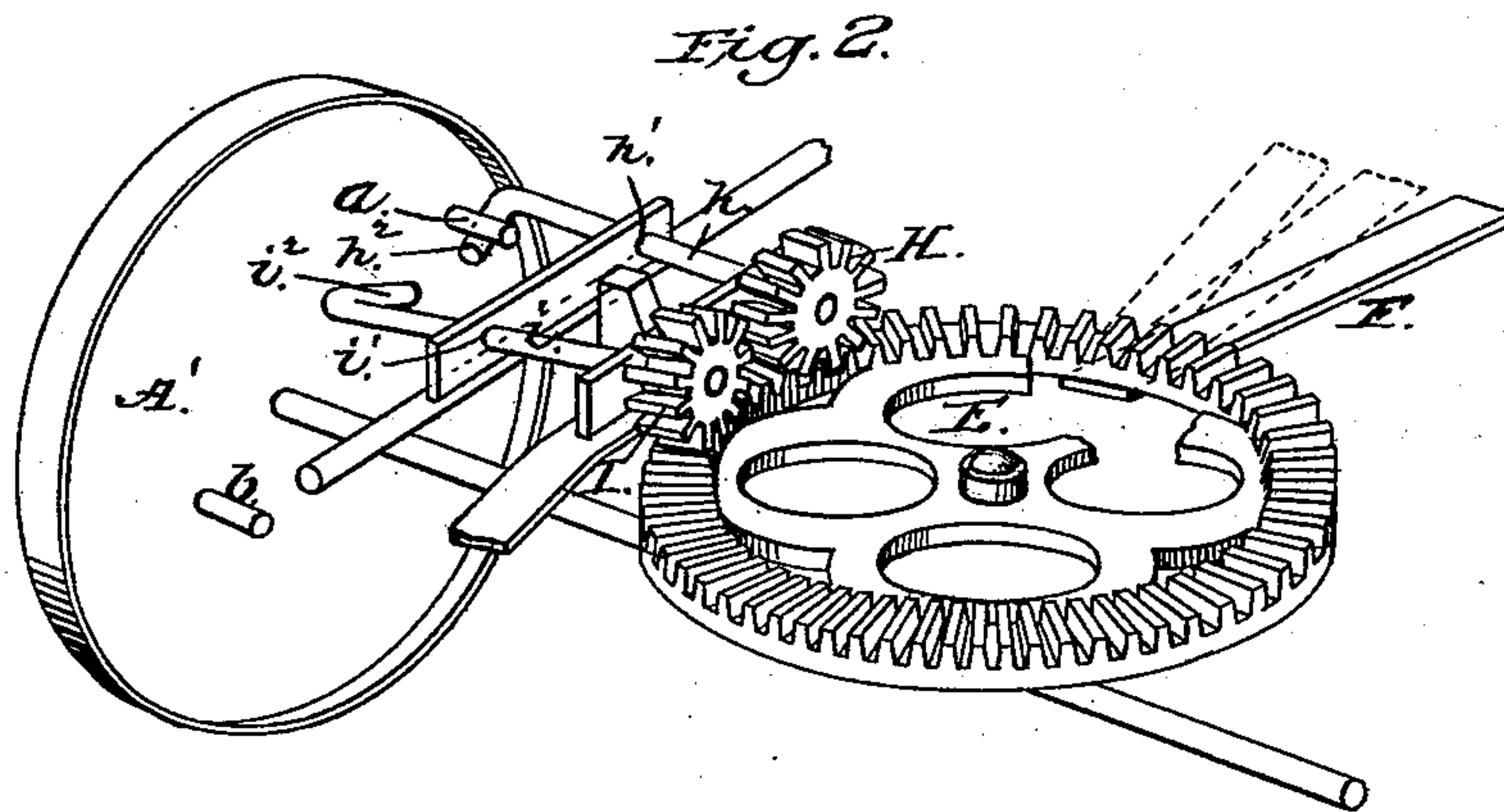
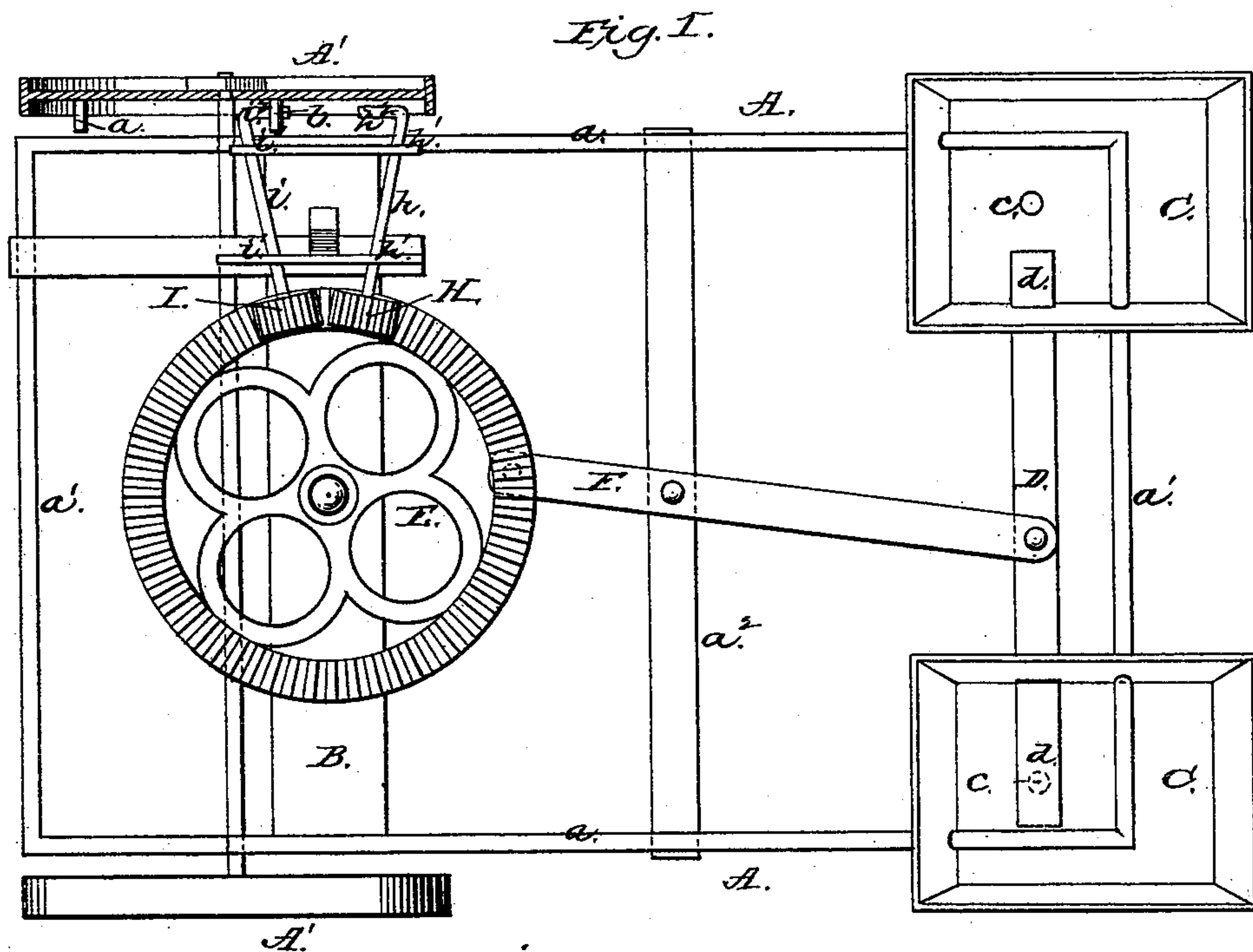


C. C. HUNTER.
Seed Planter.

No. 243,564.

Patented June 28, 1881.



WITNESSES
Villette Anderson.
Philip C. Masai.

INVENTOR
C. C. Hunter
by Anderson & Smith
his ATTORNEYS

UNITED STATES PATENT OFFICE.

CHRISTOPHER C. HUNTER, OF JUNCTION CITY, KANSAS.

SEED-PLANTER.

SPECIFICATION forming part of Letters Patent No. 243,564, dated June 28, 1881.

Application filed October 30, 1880. (Model.)

To all whom it may concern:

Be it known that I, CHRISTOPHER C. HUNTER, of Junction City, in the county of Davis and State of Kansas, have invented a new and valuable Improvement in Seed-Planters; and I 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 plan view. Fig. 2 is a perspective detail.

This invention relates to devices for planting seed; and it consists in the construction hereinafter specified.

In the annexed drawings, A is a frame suitable to contain the operating mechanism, having side pieces, a a , end pieces, a' a' , and a cross-brace, a^2 , and platform B. At the rear corners the frame A supports seed-hoppers C C, having openings c c in the bottom, covered by the ends d d of a slide, D.

Journaled to the middle of the upper face of platform B is a crown-gear wheel, E, connected by a rod, F, pivoted to brace a^2 , to the middle of slide D, the said connecting-rod F in its normal position being parallel to the sides of the frame A.

Meshing with the cogs on crown-gear wheel E are two pinions, H I, whose shafts h i turn in bearings h' i' , and having their outer ends h^2 i^2 turned at right angles to their main stems.

One of wheels A' A' upon the side of the frame on which are located the pinions H I has upon its inner surface two studs, a b , the

former located near its periphery, the latter near its center, the position of said studs a b with relation to ends h^2 i^2 of pinion-shafts h i being such that as the wheel revolves stud a will strike end h^2 , and stud b will strike end i^2 , and the studs being arranged diametrically opposite upon the wheel causes such striking to take place alternately and at each half-revolution. By this construction as the wheels revolve through the pinions and crown-wheel the slide D is reciprocated, and the openings c c in the bottom of hoppers C C are alternately opened and closed by ends d d .

I am aware that reciprocating seed-slides have been long known and have been operated in various ways, and I desire to be protected only in the construction herein shown and described.

I claim—

In a seed-planter, the combination with the seed-slide D, hoppers C C, and pivoted connecting-rod F, of the crown-wheel E, connected with the rod F, and the pinions H I, working in bearings h i , engaging the crown-wheel E, and having the bends h^2 i^2 , and the driving and supporting wheel A', having pins a b , for imparting a rocking motion to the crown-wheel E, substantially as set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHRISTOPHER C. HUNTER.

Witnesses:

J. H. MILLER,

FRANK PATTERSON.