W. Blessing.

Seed Planter.

No. 48,150. Patented Jun. 17, 1865.

Fig. 1.

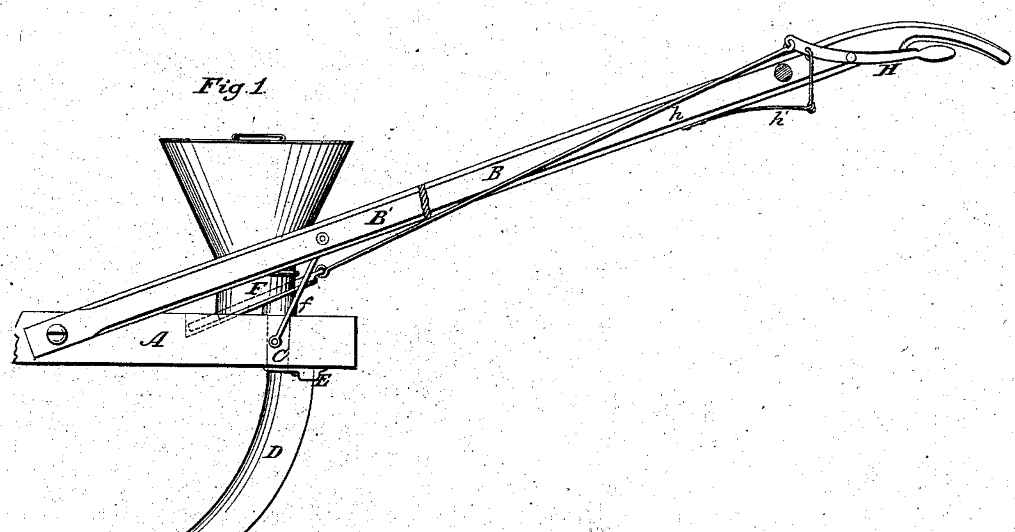

Fig. 2.

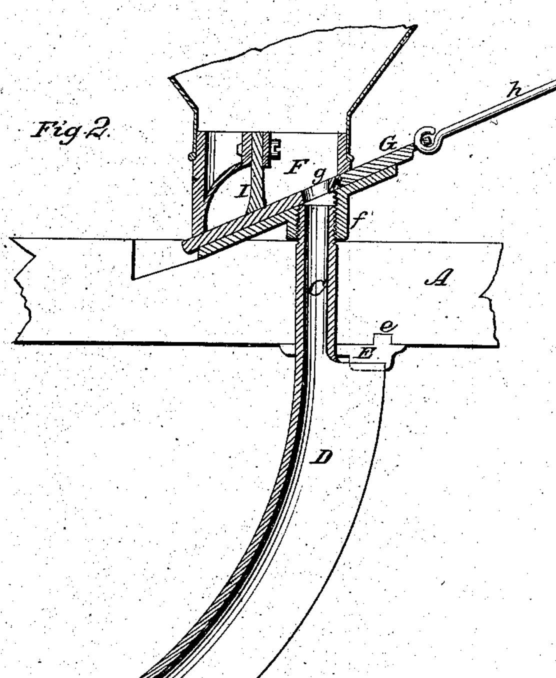

Fig. 3.

Witnesses.
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UNITED STATES PATENT OFFICE.

WM. BLESSING, OF JEFFERSONVILLE, OHIO.

IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. **48,150**, dated June 13, 1865.

To all whom it may concern:

Be it known that I, WILLIAM BLESSING, of Jeffersonville, Fayette county, Ohio, have invented a new and useful Corn-Planter; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

My invention relates to the class of corn-planters adapted to be drawn forward by a horse or other animal, and to be both guided and operated by a person who walks behind the implement; and my invention consists in devices for combining compactness and simplicity of construction with facility and effectiveness of operation.

Figure 1 is a side elevation of a planter embodying my improvements. Fig. 2 is a longitudinal section of the seeding mechanism, drawn to twice the scale of Fig. 1. Fig. 3 is a top view of the slide.

A represents the rear portion of the beam. B and B′ represent, respectively, one handle and a portion of the other. The beam A is perforated vertically to receive the tubular shank C of my tooth D, whose portion below the beam is open rearward, as shown. The tooth D has a shoulder-plate, E, whose stud *e* enters a suitable depression in the under side of the beam. The tubular shank C extends above the beam and is screw-threaded exteriorly to fit the interiorly-screw-threaded boss *f*, which projects obliquely from the bottom of my seed-box F, so as to present the slide in plane with the trigger H, the seed-box F being slotted at different elevations, front and rear, with the same object.

h is a rod, which connects the slide G to the trigger H. *p* is a spring, which restores the said trigger, rod, and slide to their resting position.

The grain-opening *g* of the slide may be provided on one side with a dovetailed notch or mortise to receive a plug, K, of lead or other soft metal, to enable the operator to readily enlarge the opening, if necessary, by means of a pocket-knife or other instrument.

It will be perceived that the tooth and the seed-box are secured to each other and are at the same time made fast to the beam by the simple act of screwing the box onto the tubular shank or prolongation of the tooth. It is also manifest that the reciprocation of the slide G in the precise plane of the trigger enables the same to be worked by a very slight pressure of the operator's thumb, while the slant of the upper surface of the slide enables the cut-off to operate with more ease and certainty in separating surplus grains or kernels.

I claim herein as new and of my invention—

1. The tooth C D and seed-box F *f*, secured to each other and to the beam by the operation of a single screw, substantially as set forth.

2. The obliquely-floored seed-box F, connected to the tooth by the oblique boss *f*, and having its slide reciprocated in the plane of the trigger, substantially as set forth.

In testimony of which invention I hereunto set my hand.

WM. BLESSING.

Witnesses:

GEO. H. KNIGHT,

JAMES H. LAYMAN.