

H. H. BALTZLY
Corn-Planter.

No. 197,200.

Patented Nov. 20, 1877.

FIG. 1.

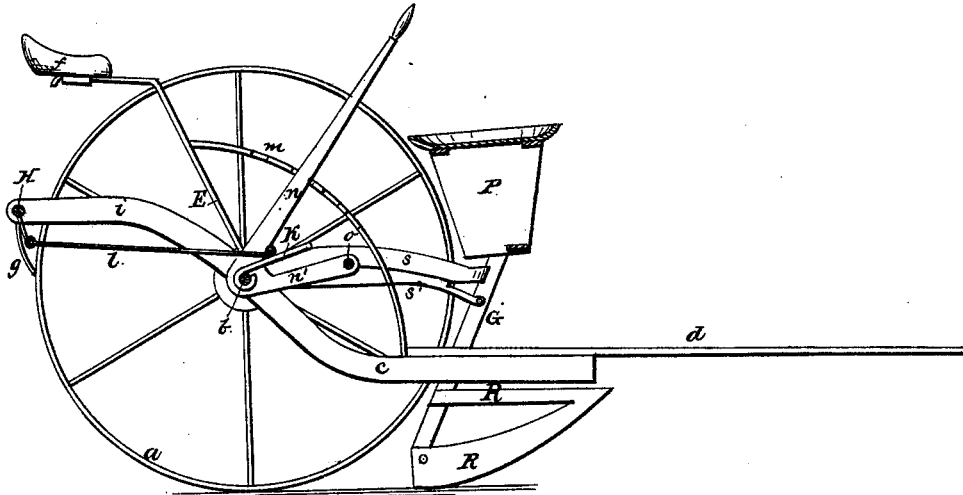
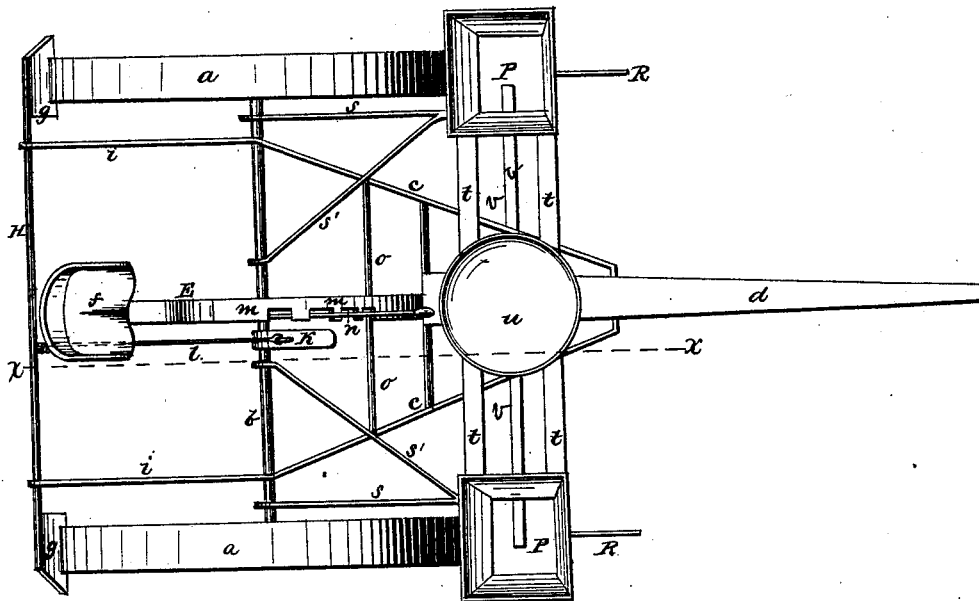


FIG. 2.



WITNESSES

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INVENTOR

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UNITED STATES PATENT OFFICE.

HENRY H. BALTZLY, OF ASSUMPTION, ILLINOIS, ASSIGNOR OF ONE-HALF HIS RIGHT TO RICHARD PECK, OF SAME PLACE.

IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. **197,200**, dated November 20, 1877; application filed August 27, 1877.

To all whom it may concern:

Be it known that I, H. H. BALTZLY, of Assumption, in the county of Christian and State of Illinois, have invented certain new and useful Improvements in Corn-Planters; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Figure 1 is a vertical longitudinal section of my corn-planter, and Fig. 2 is a plan of the same.

a a are the wheels, turning on the axle *b*, to which are rigidly fixed the hounds *c*, which support the tongue *d*. The hounds are slightly bent downward, as shown, to provide ample space for the vertical movements of the grain-boxes, hereinafter described.

E is a standard, having its lower end affixed rigidly to the axle *b*, and has its upper end bent back to a horizontal position, as shown, for a support for the sliding seat *f*.

g g are scrapers on a rod, *H*, turning in bearings in the rear ends of the arms *i*, which have their front ends affixed to the axle *b*. The scrapers are operated by a foot-lever, *K*, on the axle *b* and rod *l*, as shown.

m is a ratchet, secured to the standard *E* and the hounds *c*, for holding the lever *n*.

n is the lever, for raising or depressing the swinging frame which supports and carries the grain-boxes and cutters, as hereinafter described. It is composed of the longer arm *n* and shorter arm *n'*, and is hinged or pivoted to the axle *b*, as shown, the shorter arm *n'* being secured to the cross-bar *o* on the swinging frame, hereinafter described, and the longer arm, *n*, being arranged and adapted to engage with the ratchet *m*.

The boxes *P* and standards *G*, with their cutters *R*, are fixed to a frame composed of the arms *s* and *s'* and a cross-bar, *o*. It is pivoted or hinged to the axle *b*, with capability of a vertical movement independent of the motion of the tongue. The boxes *P* are connected by the rods *t*, on which is placed a seat, *u*.

v is the dropping-bar, for regulating the flow of seed from the grain-boxes.

It will be seen that in a corn-planter constructed according to my invention the entire weight of the dropping and planting devices is taken off the tongue, and, consequently, off the horses' necks.

It will be further seen that the cutters *R* may be set to any desired depth by raising or lowering the lever *n*, thereby raising or lowering the cutters and grain-boxes correspondingly, the whole being done independent of any movement of the tongue.

When it is desired to move the machine from one field to another, the swinging frame may be raised so as to lift the grain-boxes and cutters entirely clear of the ground, so that in moving they will not come in contact with stones or other obstructions which may be in the route.

The swinging frame may be locked and held in any desired position by the lever *n* engaging in the teeth or slots of the ratchet-bar *m*.

In this device the frame which supports the grain-boxes and cutters being pivoted directly to the axle, the force necessary to move the boxes and cutters is exerted in a direct line and immediately on said boxes and cutters through the arms of the frame. There are no intermediate pivoted levers liable to get out of order or break, and the frame and boxes, being wholly disconnected from the tongue, may be raised to any desired height, being unlimited in the extent of their movement.

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

In a corn-planter, the supporting-frame composed of the parts *s*, *s'*, *o*, and *t*, adapted to carry the boxes *P* and cutters *R*, and pivoted directly to the axle *b*, with capability of unlimited vertical movement above and independent of the tongue *d*, the bell-crank lever *n n'*, and ratchet-bar *m*, all arranged and operating substantially as and for the purposes set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

HENRY H. BALTZLY.

Witnesses:

HARRY T. PITZER,
RICHARD C. HASKEY,