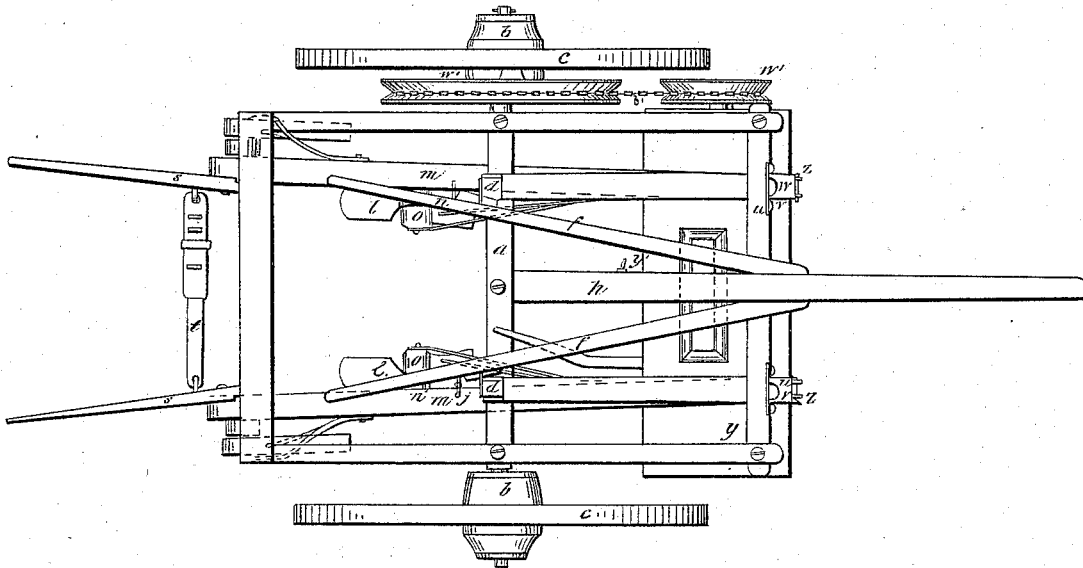


D. WILDE.  
Grain Drill.

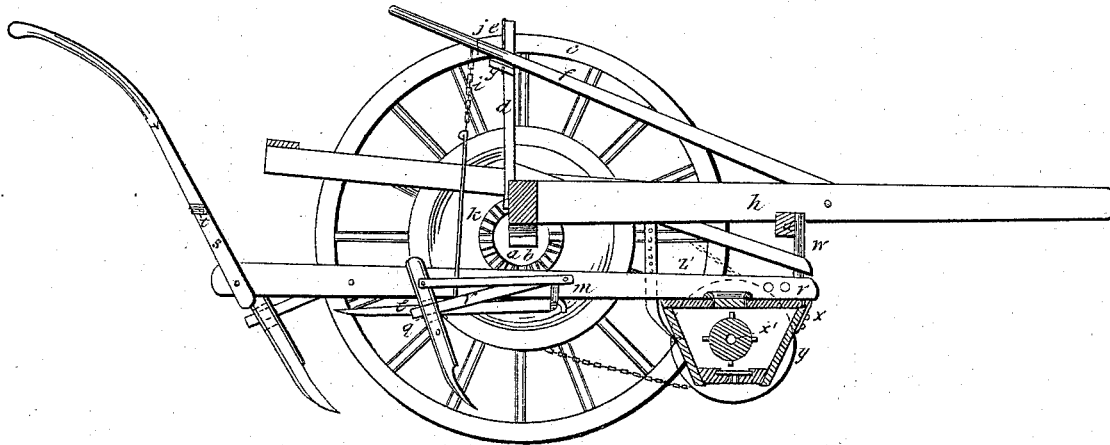
No. 54,800.

Patented May 15, 1866.

*Fig. 1.*



*Fig. 2.*



**Witnesses:**

*J. Smith*

*L. Jones*

**Inventor:**

*Daniel Wilde*

*By Atty Thos. T. Everett*

# UNITED STATES PATENT OFFICE.

DANIEL WILDE, OF WASHINGTON, IOWA.

## IMPROVEMENT IN CORN-PLOWS.

Specification forming part of Letters Patent No. 54,800, dated May 15, 1866.

*To all whom it may concern:*

Be it known that I, DANIEL WILDE, of Washington, in the State of Iowa, have invented a certain new and useful Improvement in Corn-Plows; 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 accompanying drawings and to the letters and marks thereon.

Of the drawings forming part of this specification, Figure 1 is a top view of a corn-plow having my improvement as a part thereof, and Fig. 2 is a longitudinal sectional view of the same.

In each of these figures where like parts are shown like letters and marks are used to indicate the parts.

The axle *a* of this corn-plow, a short distance from the inner end of the hubs *b* of the wheels *c*, has an inclination upward, so that more room is given for the movements of the parts of the plow below than if the axle was, as is usually the case, in a horizontal line with the center of the hub.

To the axle are attached two upright rests, *d*, having notched plates *e* for the adjustment of the inner ends of the levers *f*, which levers have plates *g*, for fitting into the notches of the plates *e*, and thus holding up the inner ends of the levers. These levers *f* are at their front ends so pivoted to the pole or tongue *h* as to have play, allowing of the upward and downward movements of the levers.

To the levers *f* are connected, by chains *i* and hooks *j*, rods *k*, which, at their lower ends, are affixed to the treaders *l*, the treaders being held at their forward ends by hooks and eyes to the under side of the plow-beams *m*. When plowing these treaders will bear against the blocks *n*, lying between the plow-beams *m* and the shovel-stakes *o*. This arrangement of the levers *f* with the rods *k* and upright rests *d* allows of the adjustment of the levers to the point desired for operating upon the plow-beams by the foot and for elevating them close up to the recessed surface of the axle whenever this may be required.

The shovel-stakes *o* are pivoted at their upper ends by a pin passing through the blocks *n* and the plow-beam, and have a slot, *q*, in them through which the bar *r* passes, so that the stakes may be adjusted on the bar and the shovels be set lower or higher for deep or shallow plowing; and so, also, that the inside shov-

els can be set to plow the same depth as the outside shovels, or deeper or shallower, as may be wished.

The handles *s*, for managing the plow-beams by hand, are affixed to the beams, as indicated by the drawings. A shackle or jointed bar, *t*, passes from one handle to the other, so constructed as to be readily lengthened or shortened, bringing the plow-beams and shovels nearer to or farther off from each other, to allow of closer or wider plowing, and admitting of the raising or lowering of the one beam and its shovels to a certain degree and extent independent of the other beam and shovels. The beams at their front ends are so constructed and united to the front cross-bar, *u*, as to permit considerable play, the front ends being divided or having a space between plates *v* for a pin or rod, *w*, which is secured at the upper end to the cross-bar *u*, and at the lower end being headed to hold up the end of the beams.

The seeder is attached to the plow by hinge-straps *x*, affixed to the seeder *y* at their lower ends, and by an eye at their upper ends, through which a pin *z* passes, which pin also passes through the end plates, *v*, of the beams *m*. This manner of affixing the seeder allows of its horizontal adjustment by means of the connecting-bar *z'* and the pin *g'* on the pole or tongue.

The feeding part of the seeder is operated by the shaft *x'*, pulley *w'*, chain or cord *v'*, and pulley *u'* on the axle of the main wheels.

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

1. Adjusting the shovel-stakes and shovels by means of the slots *q* and bars *r*, as and for the purposes herein recited.

2. In combination with the shackle-bar *t* between the handles, and connected thereto, the slotted or space-plated front end of the beams *m*, affixed to the front bar, *u*, substantially as described, as and for the purposes herein set forth.

3. Connecting the seeder to the plow-frame by means of the hinged straps *x* and bar *z'* and pin *g'*, as described.

This specification signed this 10th day of March, 1866.

DANIEL WILDE.

Witnesses:

S. L. CORBIN,  
ALVIN TUTTLE.