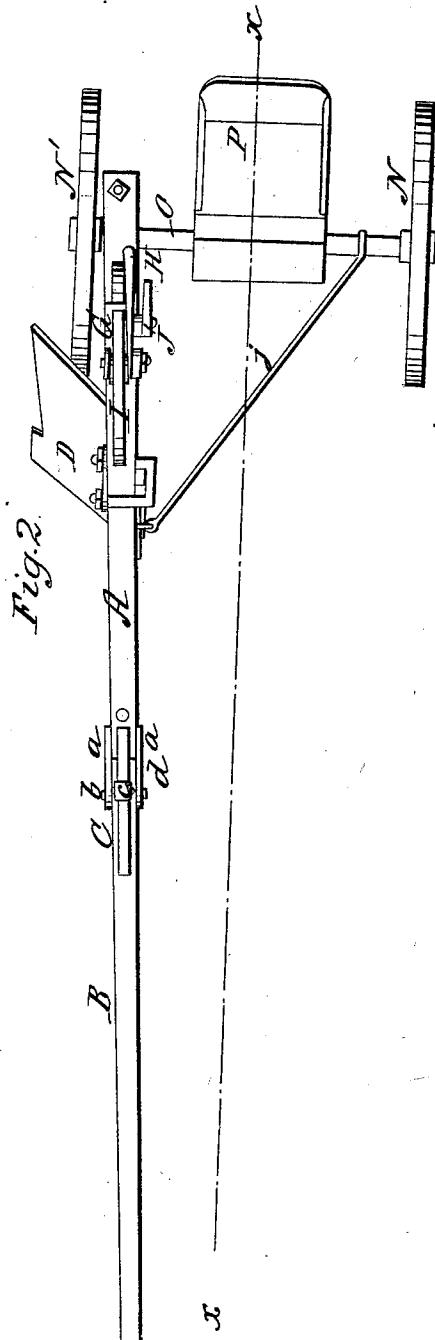
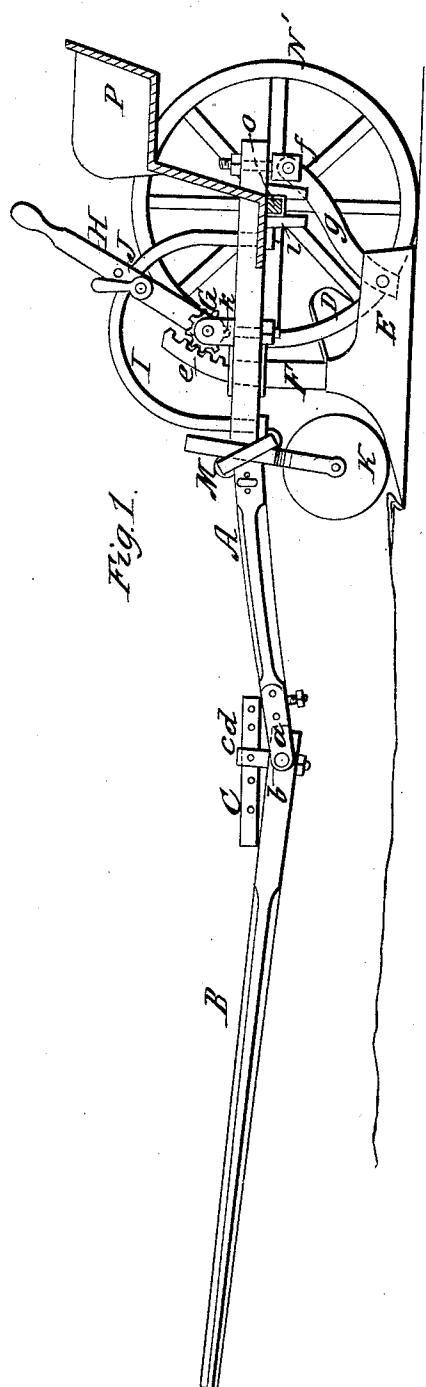


B. B. SCOFIELD.

Wheel Plow.

No. 21,630.

Patented Sept. 28, 1858.



# UNITED STATES PATENT OFFICE.

B. B. SCOFIELD, OF ANDOVER, ILLINOIS.

## IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 21,630, dated September 28, 1858.

*To all whom it may concern:*

Be it known that I, B. B. SCOFIELD, of Andover, in the county of Henry and State of Illinois, have invented a new and useful Improvement in Implements or Devices for Plowing, and which I term a "Sulky-Plow;" and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a side sectional elevation of my improvement, taken in the line  $x x$  of Fig. 2. Fig. 2 is a plan or top view of the same.

Similar letters of reference denote like parts in both figures.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents a plow-beam of ordinary construction, and B is a draft-pole attached thereto. The draft-pole is attached to the beam by placing its inner end between two metal plates,  $a a$ , through which and the beam a bolt,  $b$ , passes. To the upper surface of the pole B a metal loop,  $c$ , is attached, through which passes a short bar, C. This bar is secured in the loop  $c$  at any point desired by a pin,  $d$ , and it will be seen by referring to Fig. 1 that by adjusting the bar C the pole B may be allowed to rise to a greater or less degree to suit the size of the team.

D represents a mold-board, and E a landside. These parts are of the usual construction. The standard F, however, instead of being attached to the beam by a nut or key, as usual, passes up through the beam, and has a rack,  $e$ , formed at one side of it, the rack being slightly curved, forming a segment of a circle of which the pivot  $f$  is the center. The said pivot connects a bar,  $g$ , to the back part of the beam A, the lower end of the said bar being attached to the back end of the landside E.

G is a pinion, the axis of which is fitted in a suitable upright,  $h$ , on the beam A. The axis of this pinion has a lever, H, attached to it, and to the beam A, a semicircular bar, I, is secured, to which the lever H may be attached

at any desired point by means of a clamp, J. The pinion G gears with the rack  $e$ .

K is a rotary colter, which is fitted in the lower part of a bar, L, said bar being secured by a dip, M, to the beam A. The colter K is directly in front of the landside E.

N N' are two wheels, and O is the axle of said wheels. This axle is of square form, and the back end of the beam A is attached thereto by means of a forked bar,  $i$ , a prong passing down each side of the axle, as shown clearly in Fig. 1.

To the axle O a seat, P, is secured, and a brace,  $j$ , is attached to the said axle O and beam A. The "off" wheel, N', is somewhat larger than the other wheel, N, and the off wheel runs in the furrow, said wheel being directly behind the mold-board D.

The driver in the seat P merely drives the team, and with his right hand may actuate the lever H and raise and lower the front end of the mold-board or share, so as to regulate the depth of the furrow, as desired, and the share may be raised entirely above the ground, so that no furrow will be made when none is required, as in moving from place to place. The pole B may be adjusted so as to suit the height of the team by adjusting the bar C.

By this improvement land may be plowed equally as well as by the usual hand-plow, and with but little or no labor. The draft of the implement will be also much less than that of the ordinary plow, as the pressure of the sole on the bottom of the furrow is obviated by the wheels N N' sustaining the plow.

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

The arrangement and combination of the pivoted bar  $g$ , share D, landside E, standard F, curved rack  $e$ , pinion G, and lever H, as and for the purposes herein shown and described.

B. B. SCOFIELD.

Witnesses:

I. D. MARSTON,  
JOHN ANTHON.