

J. Root.

Sulky Plow.

Nº 85,768.

Patented Jan. 12, 1869.

Fig. 2.

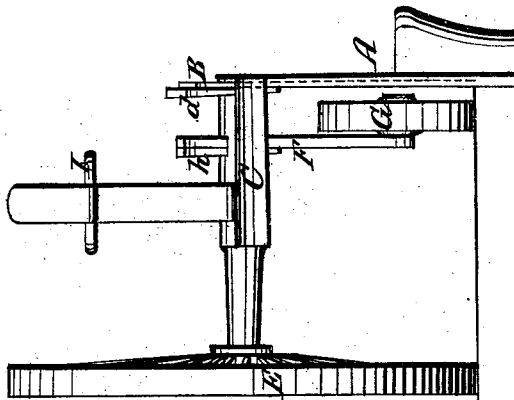
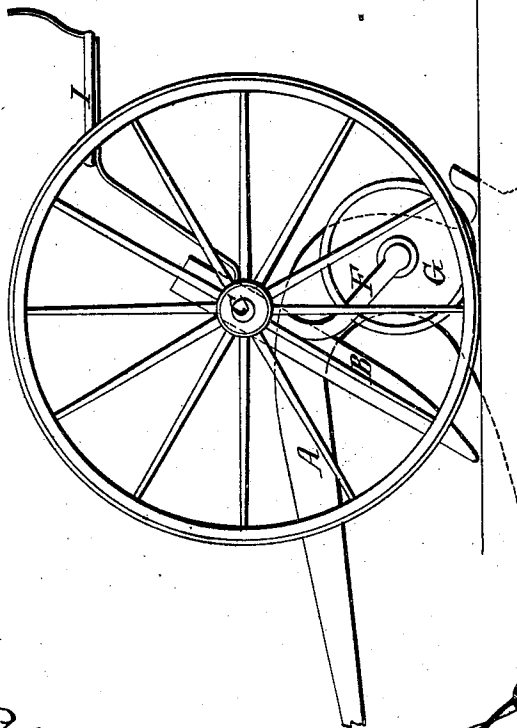


Fig. 1.



Witnesses.

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United States Patent Office.

JOHN ROOT, OF HARTLAND, NEW YORK.

Letters Patent No. 85,768, dated January 12, 1869.

IMPROVEMENT IN SULKY-PLOWS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOHN ROOT, of Hartland, in the county of Niagara, and State of New York, have invented a new and improved Sulky-Plow; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, in which—

Figure I is a front elevation, and

Figure II, a rear elevation thereof.

Like letters of reference designate like parts in both of the figures.

My invention consists of the combination and arrangement, with a plow, of two wheels, one mounted on the end of an axle extending laterally at right angles from the plow, and the other, on the end of an arm pendent from the axle, near the plow, whereby a self-guiding sulky-plow is produced.

In the drawings—

A is the plow.

B is the coulter, attached firmly to the beam, the upper end extending above the latter.

C is an axle, one end of which is attached to the upper end of the coulter, the end of which passes up through the former, which is secured and made adjustable vertically by means of a wedge, *d*, or equivalent.

On the opposite end of this axle, which extends from the plow toward the land a distance of about four feet, is mounted one of the wheels E of the sulky.

From the axle, near the plow, descends an arm, F,

curved or declining backward, on the lower end of which is mounted a lesser wheel, G.

This arm F passes through a mortise in the axle, and is retained in place by a wedge, *h*.

I is the driver's seat, attached to the axle in any suitable manner.

The operation of my improvement is as follows:

The depth of the furrow is first regulated by adjusting the axle on the end of the coulter, and the arm F in the former, by means of the wedges *d h*, as above described. The plow is then ready for operation. The arrangement of the wheel G is such as to support the weight of the plow, and thereby prevent that friction on the bottom, which ensues when no such means are employed. This greatly lessens the draught or power required to draw the plow, and is a matter of great importance. The weight of the driver on the seat keeps the plow steady, while the sulky maintains it in its proper vertical position, without the aid of an attendant.

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

The combination and arrangement, with a plow, of the wheels E G, axle C, and arm F, substantially as set forth.

JOHN ROOT.

Witnesses:

JAMES H. POLLARD,
ABRAHAM MAILE.