

L. WERTENBERGER.
SULKY-PLOW.

No. 179,378.

Patented June 27, 1876.

Fig. 1

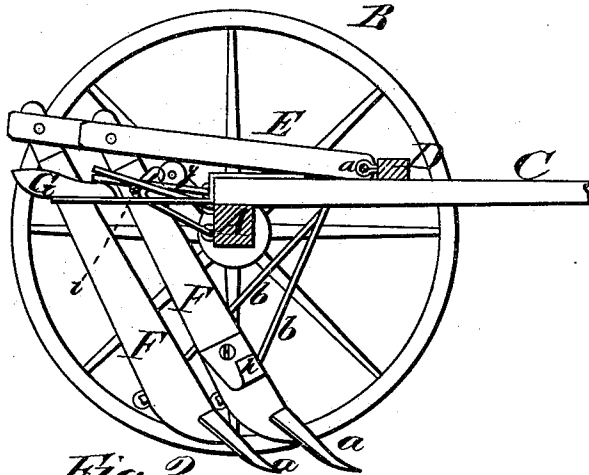


Fig. 2

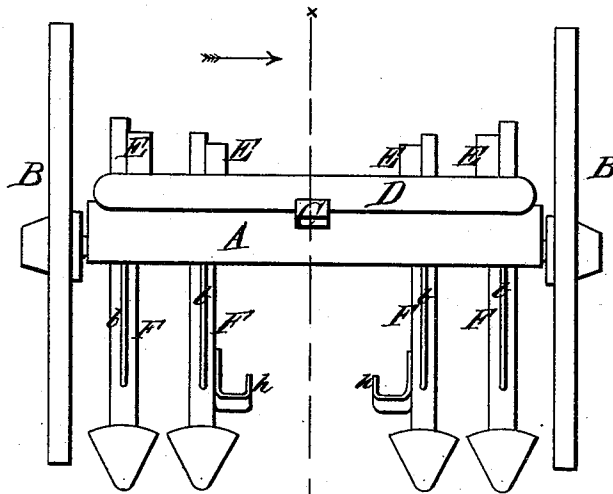
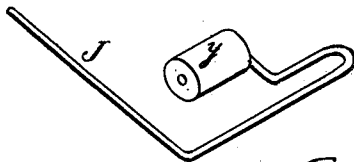


Fig. 3



WITNESSES

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LEVI WERTENBERGER, OF LAKETON, INDIANA.

IMPROVEMENT IN SULKY-PLOWS.

Specification forming part of Letters Patent No. **179,378**, dated June 27, 1876; application filed April 1, 1876.

To all whom it may concern:

Be it known that I, LEVI WERTENBERGER, of Laketon, in the county of Wabash and State of Indiana, have invented a new and valuable Improvement in Sulky - 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 annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a longitudinal vertical section of my sulky-plow, and Fig. 2 is a front elevation of the same. Fig. 3 is a detail view of my sulky-plow.

This invention has relation to sulky-plows or cultivators; and it consists in a novel mode of raising each one or all of a gang of shovels or plows, whereby the attendant can avoid obstructions in the path of the machine, as will be hereinafter explained.

In the annexed drawings, A designates the axles of two transporting-wheels, B B. To the axle A the draft-tongue C is rigidly secured, and to this tongue a beam, D, is secured. The letters E designate beams, which are hinged or pivoted at their front ends to the beam D, and prevented from lateral displacement by means of eyes *a*. The two intermediate beams E are shorter than those beams which are nearest to the transporting-wheels B B, and to all of the beams E shovel-carrying beams F are pivoted. These beams F are sustained against backward pressure by means of brace-rods *b*, which pass freely

through these beams, and have removable keys on their rear ends.

In backing, the machine slips upward on the braces *b*, and no injury will be done. In practice, turn shovels or teeth may be used on the intermediate beams E, and to these beams stirrups *h* are secured for the feet of the attendant sitting upon the seat G. The seat G is secured to a spring extending in rear of the axle A, on which spring is a looped support, *i*, pivoted to the axle, so that it will accommodate itself to the vibration of the seat-spring.

Under each beam E is an angular lever, J, which is shown by Fig. 3, and which has an anti-friction roller, *y*, on that end which is beneath the beam E. The handles or longest arms of the levers J rest upon the looped support *i* in close relation to the driver's seat.

It will be seen from the above description that the driver can raise any one or all of the shovels at pleasure. He can also guide the intermediate shovels.

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

In combination with the shovel-carrying beams of a sulky-plow, angular levers J, constructed and applied as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

LEVI WERTENBERGER.

Witnesses:

J. M. BURDGE,
JESSE ARNOLD.