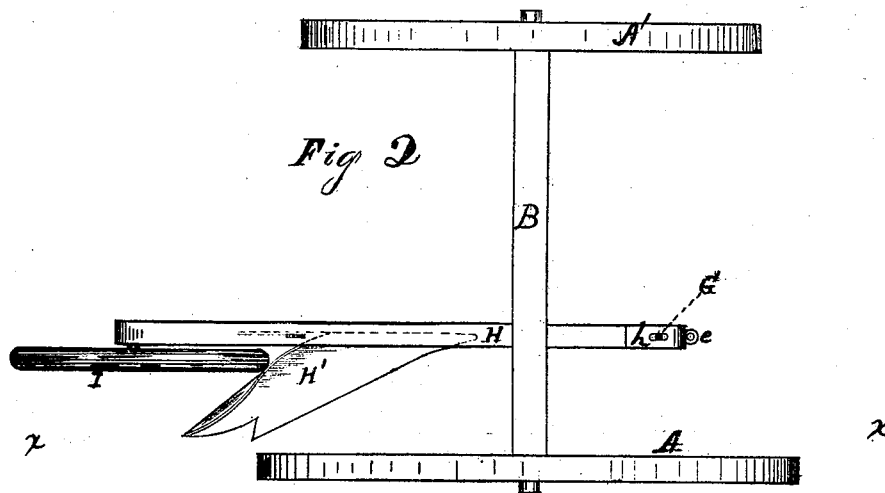
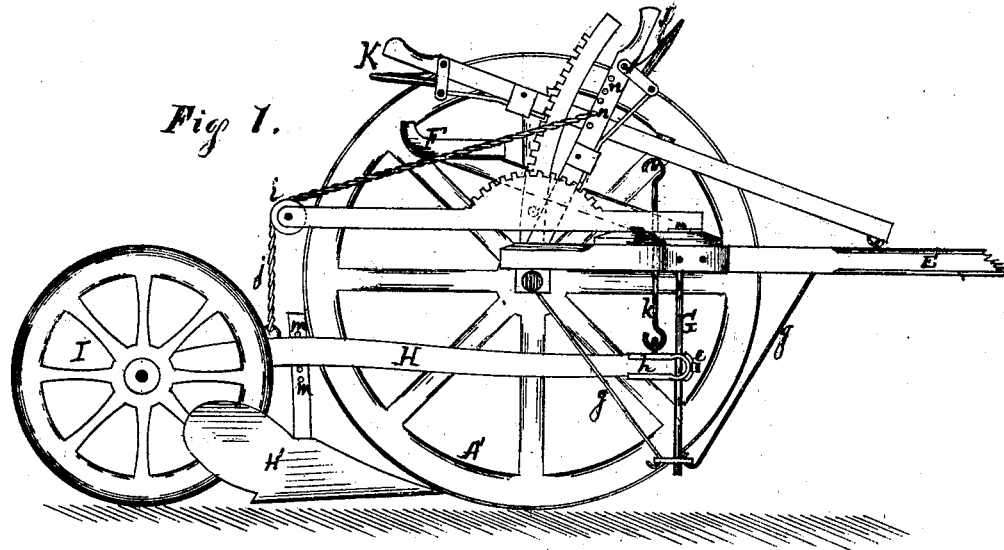


Meloy & Stanley,
Wheel Plow.

No. 111,366.

Patented Jan. 31. 1871.



Witnesses

G. H. Chubbuck
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UNITED STATES PATENT OFFICE.

EDWARD MELOY AND ABRAM R. STANLEY, OF SHULLSBURG, WISCONSIN.

IMPROVEMENT IN SULKY-PLOWS.

Specification forming part of Letters Patent No. 111,366, dated January 31, 1871.

To all whom it may concern:

Be it known that we, EDWARD MELOY and ABRAM R. STANLEY, both of Shullsburg, in the county of Lafayette and State of Wisconsin, have invented certain new and useful Improvements in Sulky - Plows; and we do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical section through line *x x* of Fig. 2; and Fig. 2 is a top view, the seat, platform, and levers being removed.

Similar letters of reference in the drawings indicate corresponding parts.

The object of this invention is to enable the driver to adjust the draft of the plows more perfectly and easily than heretofore, while at the same time our improved construction renders the whole apparatus lighter, stronger, and easier to handle than any other hitherto brought into public use.

In the drawings, *A A'* are the draft-wheels, the former of which runs in the furrow, being made larger than the latter, so that the axle-tree *B* is kept in horizontal position while at work. *D* is a platform supported upon hounds *d d*, which brace the rear end of the tongue *E*.

F is the driver's seat.

G is an elongated king-bolt, braced by rods *g g*.

H is the plow-beam, attached to the king-bolt by means of a clevis, *h*, and supporting the plow *H*, the rear end of the plow-beam being itself supported by a wheel, *I*.

J is a catch-lever, which, through the operation of a chain, *j*, and pulley *i*, serves as the means for raising and lowering the rear end of the plow-beam, and for raising the plow and wheel from the ground when going to and returning from the field, and *K* is another catch-lever, which, by means of the rod *k*, serves to raise and lower the clevis *h*, and thereby to elevate or depress the forward end of the plow and regulate its vertical draft.

The whiffletree is attached to the front end of the clevis *h*, which is provided with an eye or staple, *e*, to receive and hold the hook thereof.

The clevis, as will be observed from Fig. 1, is cast or formed in the shape of a bent plate, one end of which fits upon the upper and the

other end against the under side of the plow-beam.

The king-bolt works in an elongated vertical slot made through both parts of the plate, said slot being so narrow that it permits no lateral turning or twisting of the plow-beam, while by its length it allows the rear end of the beam to rise and fall freely without cramping and bending the bolt.

The plow may be vertically adjusted upon its beam by means of the series of holes *n n* in lever *J*. The operation of that lever may be regulated at pleasure.

A gang of plows may be employed, arranged either upon separate beams, separately adjustable each with its own clevis, bolt, wheel, and levers, or all upon a simple frame with one plow-beam, bolt, clevis, and set of levers, and with one, two, or more wheels *I I*, as may be preferred, arranged either in connection with the beam or frame.

The operation of the several parts of our improved sulky-plow will be understood from the above description.

It will be observed that either end of the plow-beam, or both at the same time, may be readily raised or lowered at pleasure according to the requirements of the work.

The wheels *I I* are to be constructed of some light but strong material, and are adapted to run either in the furrow or by the side of it, or partly in and partly out of it, as may be preferred.

The construction of the parts is such that the beams and rear wheels follow the draft-wheels and axle either in a straight or curved line, just like the rear wheels and reach of a common wagon.

Having thus described our invention, what we claim as new therein, and desire to secure by Letters Patent, is—

In combination with the plow-beam, the sulky-frame, and the king-bolt *G*, the levers *J K*, chain and pulley *j i*, and rod *k*, arranged to lift the front and rear ends of the plow-beam, substantially as described, for the purpose specified.

EDWARD MELOY.
ABRAM R. STANLEY.

Witnesses:

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