

(Model.)

J. NEFF, Jr.
HILLSIDE PLOW.

No. 299,250.

Patented May 27, 1884.

Fig. 1.

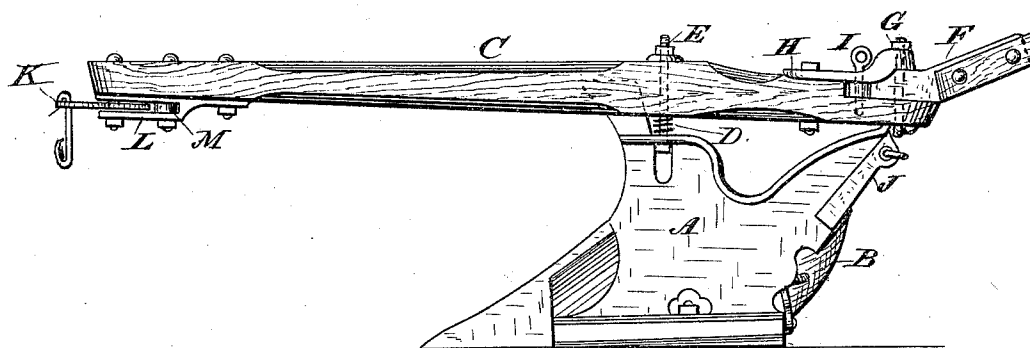
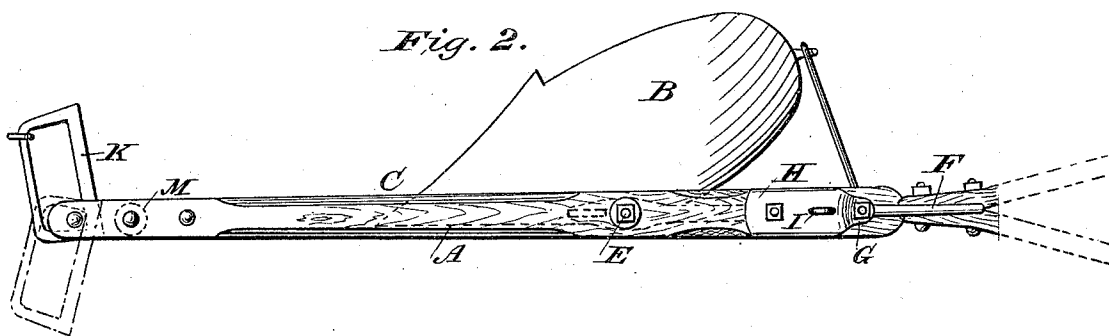


Fig. 2.



WITNESSES

John S. Lewis.
J. C. Brecht.

INVENTOR

John Neff, Jr.
by Charles Ketchum
Attorney

UNITED STATES PATENT OFFICE.

JOHN NEFF, JR., OF PULTNEY, NEW YORK.

HILLSIDE-PLOW.

SPECIFICATION forming part of Letters Patent No. 299,250, dated May 27, 1884.

Application filed September 15, 1881. (Model.)

To all whom it may concern:

Be it known that I, JOHN NEFF, JR., of Pultney, New York, have invented a new and useful Hillside-Plow, of which the following is a specification.

My invention consists in improvements in hillside-plows with an ordinary mold-board and point made reversible, an adjustable beam having a spring to raise it up against the nut of the bolt that holds it to the standard of the plow, a clevis at the forward end of the beam, a spring to which the hook that holds the mold-board in place is attached, and the means used to adjust the handles; and the object of my improvements is to provide an adjustable beam for the plow that may be adjusted by the nut of the bolt that holds the beam to the plow-standard, to have a spring attached to the rear part of the plow to hold the hook that holds the mold-board in position, and to make the handles and the devices that hold them so that the handles may be turned to the right or left away from a grape-trellis or fruit-trees. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side view, and Fig. 2 a top view.

Similar letters refer to similar parts throughout both views.

The landside A of the plow has its lower part made in the ordinary manner, and has the mold-board B attached to it. The upper and rear part is made to hold the hind end of the beam, and is provided with a bolt, G, having a cross-head that passes up through it and the beam, handle-supporter, and cap that aids in holding it. The upper forward part or standard is made to receive a bolt up through it, as shown in Fig. 1, and has a tenon that extends up into the beam to hold the beam, as shown in the same figure by dotted lines on the side of the beam.

The mold-board B may be made in any ordinary manner, and is provided with a hook at the rear end to receive the hook that holds it in place, which is preferable to having holes for said hook to hook into.

The beam C may be made of wood or metal. To the forward end the clevis K is applied. The rear end is made to receive the handle-support and rest upon the rear portion of the

landside, and is held to it with a bolt, so that the forward end may be raised or lowered without loosening this bolt. The part above the standard has a mortise to receive the tenon on the standard, and must be large enough to allow the forward end of the beam to be raised or lowered freely. It also has a hole for the bolt to pass up through, and a chamber for a spring that is placed upon the bolt to hold the upper side of the beam up to the nut and washer on the top end of the bolt.

D is a spring that is put on the bolt E. The lower end rests upon the standard, and the upper end extends to the upper part of the chamber in the beam. Its use is to hold the beam to whatever position it may be adjusted with the nut on the bolt E.

The handle-support F is made for the handles to be bolted to it. It is made to rest upon the rear end of the beam, and is held to it by the bolt G. The forward part has a hole for the bolt or pin I to pass down through it when the handles are desired to be held straight with the beam, and a notch in each side for the pin to turn the handles to the right or left to pass grape-trellises or fruit-trees.

H is a clasp placed upon the hind end of the beam. The forward end is held by a bolt to the beam. The rear end is made to fit the top of the handle-support F, and has the bolt G go through it.

The bolt or pin I is made tapering to hold the handles firmly when in either position by passing down through the clasp H and the hole in the handle-support on either side of it and into the beam.

J is the spring that holds the hook for holding the mold-board. The lower end is fastened to a projection at the rear of the landside, as shown in Fig. 1. The upper end has a hole for the hook. The use of this spring is to cause the hook to hold the mold-board continuously to the landside to prevent rattling and to keep the hook in place.

The clevis K may be made any size or strength required. Its shape is represented in Fig. 2, and it is held in position by the clasp L at the under side of the beam, with a bolt before and the roller M behind it. Its use is to change the line of draft when the mold-board is changed.

The clasp L is made of iron and applied to the under side of the beam, as shown in Fig. 1, and is held to the beam by the same bolts that hold the clevis.

5 The roller M should be made of a diameter about the same as the thickness of the beam, and as thick as the rear part of the clevis. Its use is to make the clevis move from one side to the other freely.

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

The combination of the handle F and beam C, clasp H, bolt G, and pin I, with the bolt E, having spring D, and the slot in the land side A, 15 to allow said bolt E to move up and down, as and for the purpose herein specified.

JOHN NEFF, JR.

Witnesses:

JOHN L. LEWIS,
CHARLES KETCHUM.