

Hand Plows.

No. 112,497.

Patented Mar: 7. 1871.

Fig: 1.

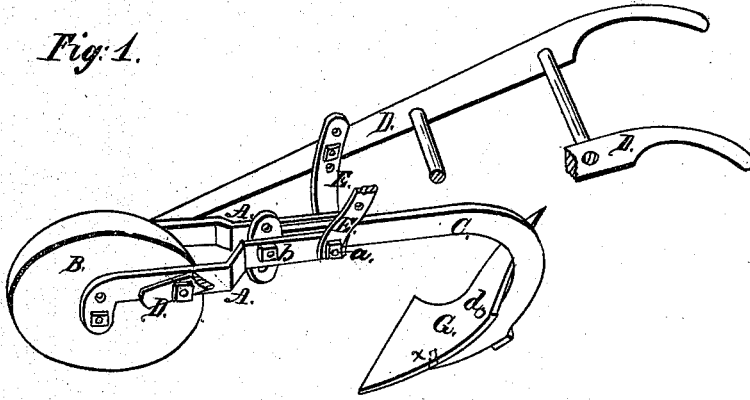


Fig: 2.

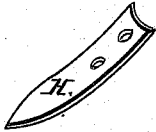


Fig:3.

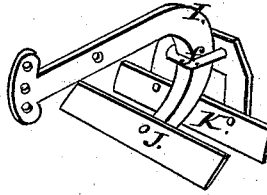


Fig. 4.

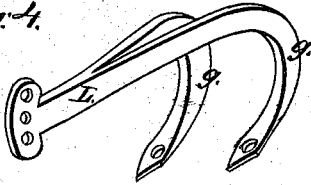


Fig: 5.



Witnesses.

Harry King
C. L. Cuert,

Inventor:

Nelson Rue
per Alexander Macdonald
Attys.

UNITED STATES PATENT OFFICE.

NELSON RUE, OF HARRODSBURG, KENTUCKY.

IMPROVEMENT IN HAND-PLOWS.

Specification forming part of Letters Patent No. 112,497, dated March 7, 1871.

To all whom it may concern:

Be it known that I, NELSON RUE, of Harrodsburg, in the county of Mercer and in the State of Kentucky, have invented certain new and useful Improvements in Hand-Plow; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a hand garden-plow with various attachments, as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of my garden implement with turning-plow attached. Fig. 2 is a perspective view of a shovel to work on the same beam. Fig. 3 is a perspective view of an attachment for shaving walks; and Figs. 4 and 5 show a double-shovel attachment.

A A represent two bars of suitable length, the front ends of which are turned downward at right angles, and have a series of holes through them. Between these turned-down ends of the bars A A is placed the wheel B, which is adjusted to any height desired by changing the bolt which forms the axle for the wheel in the different holes in the front ends of the bars.

Back of the wheel B the bars A A are turned inward and then toward the rear again, so that the rear ends will be sufficiently far apart that, when the beam C is inserted between them, the front ends will allow the wheel B to turn freely.

The handles D D are pivoted one to each bar A at a suitable point between its front end and the point where it bends inward, and they are adjusted to any desired height upon the stays E E, which are secured by the same bolt *a* which pivots the beam C between the rear ends of the bars A A.

The bars A A, wheel B, handles D D, and stays E E form the main portion of my garden implement, to which the various devices are attached.

The beam C is, as above mentioned, pivoted by the bolt *a* between the rear ends of the bars A A, and its front end is extended above and below, as shown. In this extension is a series of holes, through one of which, and through the bars A A, another bolt, *b*, is passed to hold the beam firmly in place. By changing the bolt *b* in either one of the other holes in the front end of the beam, the plow will be regulated to run deeper or shallower, as may be desired.

The lower end of the beam C is made round at *x*, and turned up so as to form, as it were, a pin or rivet of the same length as the thickness of the turning-plow G. This pin is passed through a hole in said plow, and the plow further secured by a bolt and nut, *d*, at its upper end.

H represents a shovel-plow, to be attached to the beam C in precisely the same manner as the turning-plow G when this has been removed.

I represents a beam of somewhat similar shape to the beam C, and which is to be adjusted and fastened between the bars A A in precisely the same manner. At the lower end of the beam I is secured the knife J, which cuts or shaves the walk.

K is an adjustable gage attached to the beam I and moving in rear of the knife. It answers the double purpose of a scraper and a gage to regulate the cutting thin or thick. It is fastened by means of a loop or stirrup, *f*, surrounding the beam, and tightened by nuts on its ends on the rear side of the gage.

When a single-beam shaver is used it can be employed as a hoe without the gage. Either a broad or narrow one can be used as a hoe to cut weeds when the gage is off.

In Fig. 1 I have represented a double-shovel attachment, being a single beam, L, with two prongs, *g g*, to which the shovels *h* are attached. The beam L is adjusted and attached to the bars A A in precisely the same manner as

above described for the beams C and I. A circular revolving colter may be attached to the bars A A for cutting weeds, vines, &c., that run on the ground.

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

The within-described hand-plow, composed of the bent bars A A, wheel B, perforated plates E E, and handles D D, adapted to re-

ceive either of the plow-beams C, L, or I, all constructed substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of July, 1870.

NELSON RUE.

Witnesses:

Z. MCBRAYN,
JOHN LITSEY.