

W. TAYLOR.

HARROW.

No. 178,686.

Patented June 13, 1876.

Fig. 1.

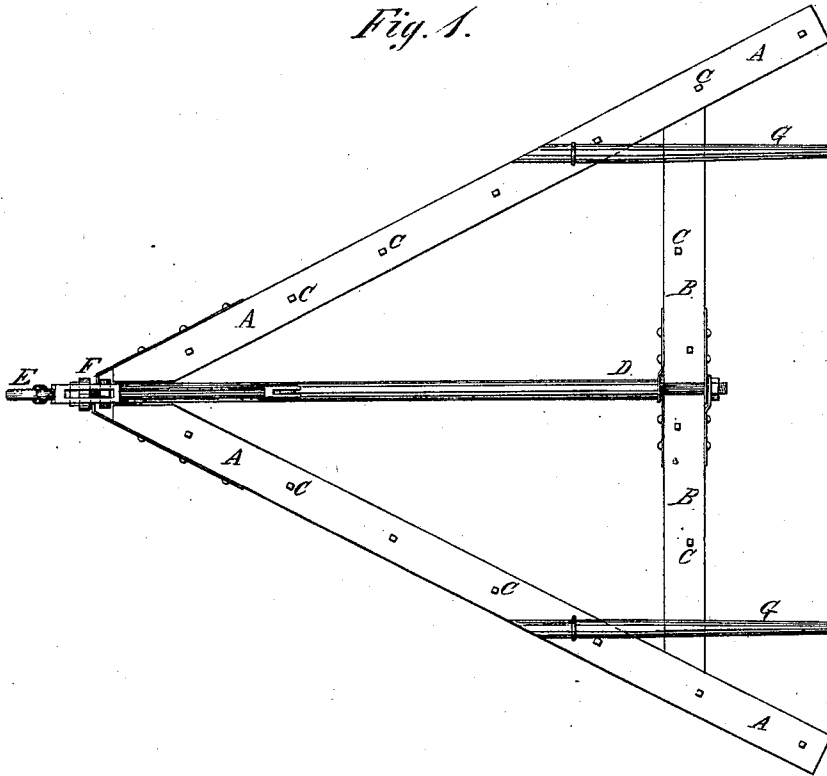
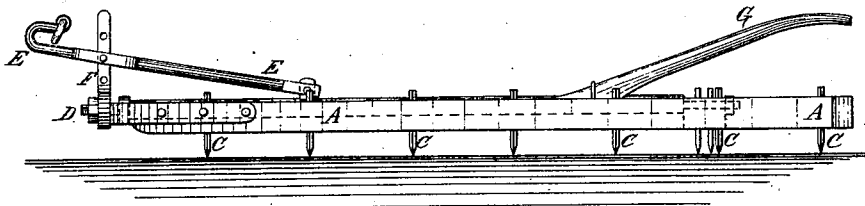


Fig. 2.



WITNESSES:

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INVENTOR:

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BY

Wm. H. [Signature]

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UNITED STATES PATENT OFFICE.

WILLIAM TAYLOR, OF ST. LOUISVILLE, OHIO.

IMPROVEMENT IN HARROWS.

Specification forming part of Letters Patent No. **178,686**, dated June 13, 1876; application filed April 4, 1876.

To all whom it may concern :

Be it known that I, WILLIAM TAYLOR, of St. Louisville, in the county of Licking and State of Ohio, have invented a new and useful Improvement in Harrows, of which the following is a specification :

Figure 1 is a top view of my improved harrow. Fig. 2 is a side view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved harrow which shall be so constructed that it will readily adjust itself to irregularities in the surface of the ground, and will allow either side to be raised to pass obstructions, and to clear it of rubbish.

The invention consists in the combination of the hinging-rod, the adjustable hinged draw-rod, and the adjusting-bar with the hinged bars of the harrow-frame, as hereinafter fully described.

A are the side bars, and B is the cross-bar, of the harrow. C are the harrow-teeth, which are attached to the bars A B. The forward ends of the side bars A meet at an angle, and are hinged to each other and to the forward end of the rod D. The cross-bar B is made in two parts, the outer ends of which are rigidly attached to the rear parts of the side bars

A, and their inner ends are hinged to each other and to the rear end of the rod D. To lugs formed upon the forward part of the rod D is hinged the rear end of a short bar, E, which has a hook formed upon its forward end for the attachment of the draft. The forward part of the draw-rod E has a slot formed in it to receive the bar F, the lower end of which is attached to the forward end of the rod D. The upper part of the bar F has a number of holes formed in it to receive the pin or bolt by which it is secured to the draw-rod E, so that by adjusting the said bar F and rod E the point of draft attachment may be raised and lowered, as may be desired. To the rear part of each of the side bars A is attached a handle, G, to enable either side of the harrow to be raised, as may be required.

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

The combination of the longitudinally-hinged harrow-sections A B A B with the bisecting rod D, hook-bar E, and perforated bar F, substantially as and for the purpose specified.

WILLIAM TAYLOR.

Witnesses:

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JOHN HUGHES.