

G. W. HURST.
Reversible Harrow-Teeth.

No. 140,198.

Patented June 24, 1873.

Fig. 1.

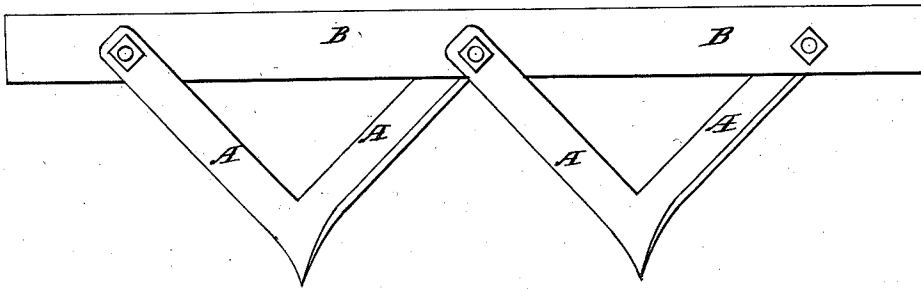
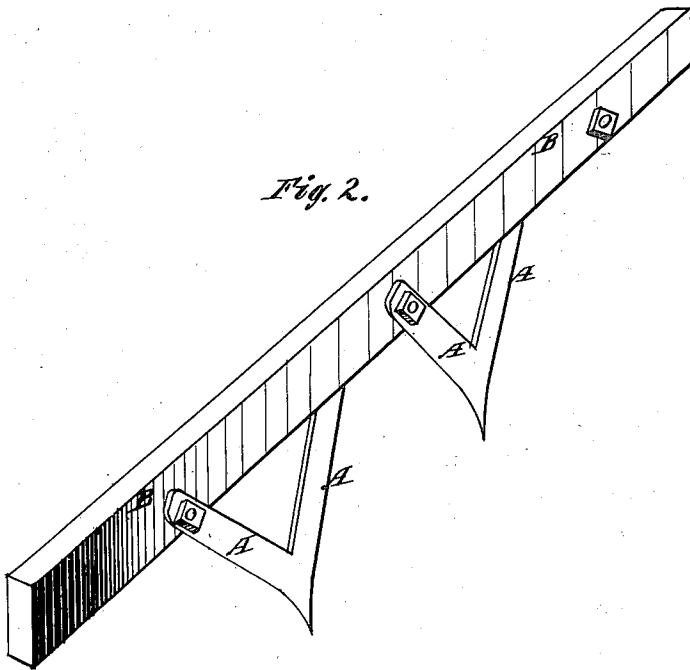


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE W. HURST, OF AVON, OHIO.

IMPROVEMENT IN REVERSIBLE HARROW-TEETH.

Specification forming part of Letters Patent No. 140,198, dated June 24, 1873; application filed April 12, 1873.

To all whom it may concern:

Be it known that I, GEORGE W. HURST, of Avon, in the county of Lorain and State of Ohio, have invented a new and useful Improvement in Reversible Harrow-Tooth, of which the following is a specification:

Figure 1 is a side view of two of my improved harrow-teeth, shown as applied to a beam of a harrow-frame. Fig. 2 is a perspective view of the same.

Similar letters of reference indicate corresponding parts.

The invention consists in providing a harrow-tooth with two arms or shanks, which form an angle with the tooth, are attached on different sides of the longitudinal bar of harrow-frame, and thus brace it in two directions, as hereinafter described and claimed.

A are the teeth, which are made V-shaped, as shown in Figs. 1 and 2, and with their points or angles somewhat elongated. The outer edges of the arms of the teeth A are beveled off upon their opposite sides, so that they may pass through the ground readily. The ends of the arms of the teeth A are placed

upon and bolted to the opposite sides of the beam B of the harrow-frame, and are slightly bent, so that they may fit squarely against the sides of said beams. This construction enables the teeth A, when worn, to be readily reversed. The inclination given to the teeth A, by attaching the ends of their arms to the opposite sides of the beam B, enables them to readily pass obstructions, and the inclination of their edges, and their narrowness or thinness, prevents them from tearing up and turning the furrows when drawn across them.

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

A harrow-tooth having two shanks slightly bent in opposite directions from each other, to enable them to be securely fastened on opposite sides of bar B, and thus brace each other in the manner set forth.

GEORGE W. HURST.

Witnesses:

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