

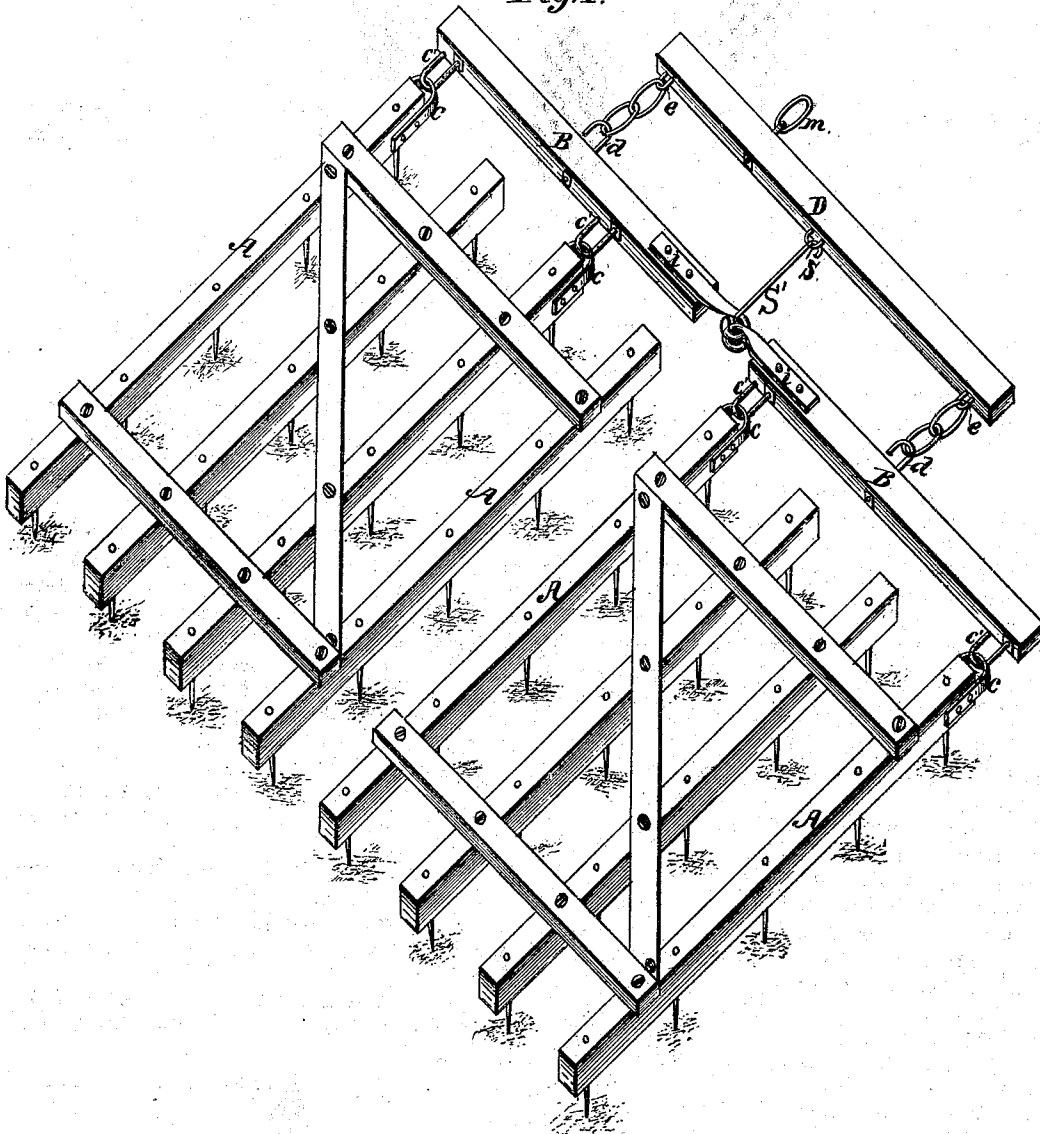
G. M. TITUS.

HARROW.

No. 173,743.

Patented Feb. 22, 1876.

Fig. 1.



Witnesses.

W. J. Ferguson
H. F. Batcheller

Inventor.

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UNITED STATES PATENT OFFICE.

GEORGE M. TITUS, OF ROCK FALLS, ILLINOIS.

IMPROVEMENT IN HARROWS.

Specification forming part of Letters Patent No. **173,743**, dated February 22, 1876; application filed November 27, 1875.

To all whom it may concern:

Be it known that I, GEORGE M. TITUS, of Rock Falls, Whitesides county, State of Illinois, have invented a new and useful Improvement in Harrows; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification.

This invention consists of a harrow constructed in the usual manner, and made of two sections, A A A A, which are hinged and united to each other by the hinge or joint in the center of the draft-beam B B. The sections are, respectively, attached to the draft-beam by means of the hasps, as shown at *c c c c*, hooked into the open hooks in the draft-beam, as seen at *c' c' c' c'*. The hinge or joint marked *i* unites the two parts of the draft-beam, and allows the harrow to adapt itself to any unevenness of the ground, and permits one section to be raised from the ground upon one corner without in any manner affecting the operation of the other section. D is a second draft-beam or evener, attached to the first draft-beam B B by links extending to and hooking into the open hooks *d d* from *e e*.

The brace S', which extends from the joint *i* to S, is hinged to or in the hinge *i* in the draft-beam B B, thence extending to the second draft-beam or evener D, attaching to the same by an eye into the open hook, as seen at S. This brace, thus extending from the joint at *i*, and attaching to the second draft-beam or evener D at S, keeps the first draft-beam B B in a straight line throughout its length. The team is hitched at *m*.

I claim—

1. The draft-beam consisting of two parts, B B, hinged at the center *i*, substantially as set forth.
2. I claim the brace S', extending from the joint *i* to the second draft-beam or evener at S, in combination with the jointed draft-beam B B, substantially as and for the purpose specified.
3. I claim the draft-beam or evener D, in combination with the brace S' and the jointed beam B B.

GEORGE M. TITUS.

Witnesses:

V. S. FERGUSON,
H. F. BATCHELLER.