

(No Model.)

A. TEST.
SOD CUTTER.

No. 272,496.

Patented Feb. 20, 1883.

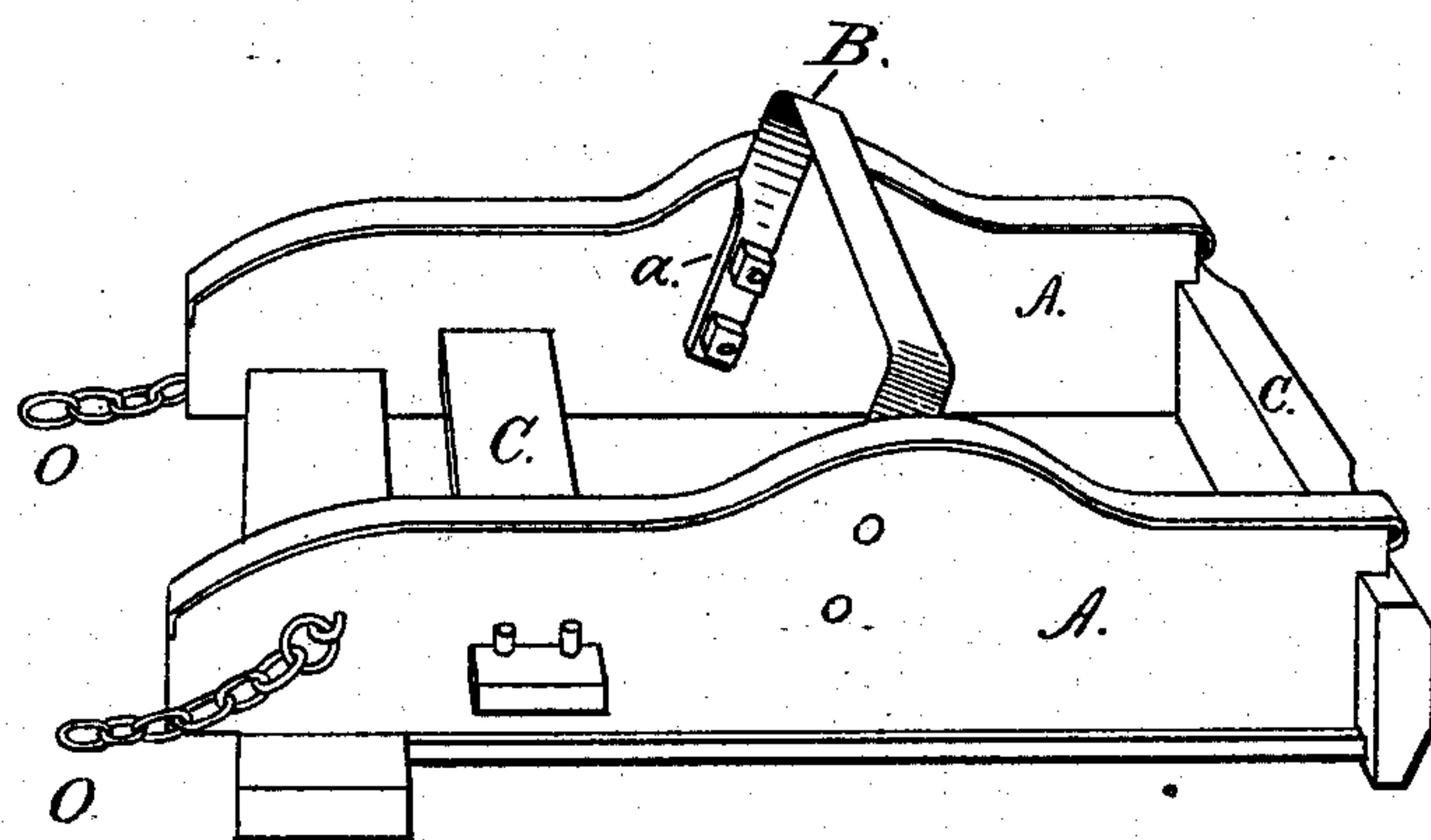


Fig. 1.

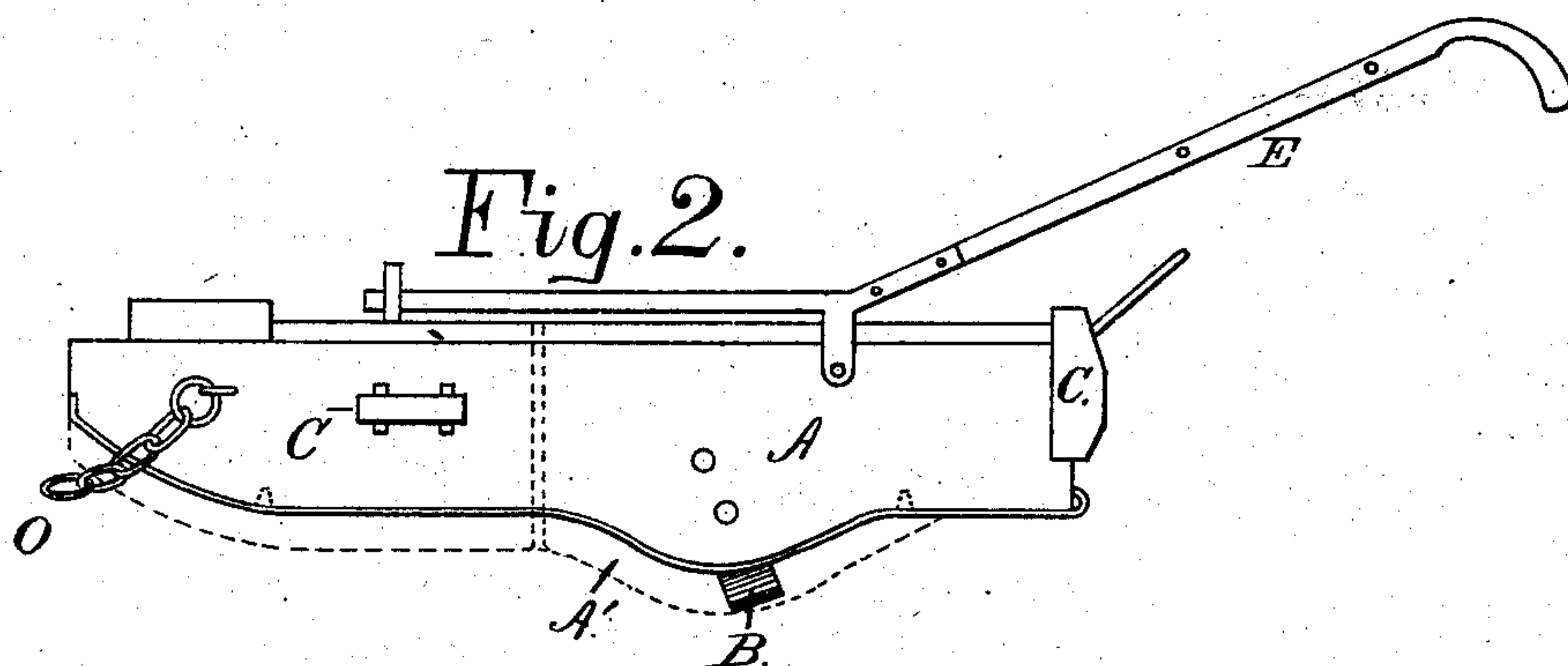


Fig. 2.

Witnesses,
Adison H. Study.
W. J. Dennis

Inventor,
Alphus Test

UNITED STATES PATENT OFFICE.

ALPHEUS TEST, OF RICHMOND, INDIANA.

SOD-CUTTER.

SPECIFICATION forming part of Letters Patent No. 272,496, dated February 20, 1883.

Application filed November 8, 1882. (No model.)

To all whom it may concern:

Be it known that I, ALPHEUS TEST, a citizen of the United States, residing at Richmond, in the county of Wayne and State of Indiana, have invented certain new and useful Improvements in Sod-Cutters, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to sod-cutters which are provided with sled-runners; and it consists in the combination of a supplemental removable runner or shoe with the runners first referred to, the removable shoe being fastened to the bearing-face of either of the said runners.

In the drawings which accompany this specification, forming a part of the same, Figure 1 represents the lower portions of my improvement when placed upside down. Fig. 2 is a side elevation of the same.

Like letters of reference refer to like parts.

A A, Fig. 1, represent the runners or bearers, which are similar in form to the common sleigh-runner, the bottoms or bearing-edges of which are formed with curves, making elevations and depressions from a straight line. These curves or swells are alike in both runners. These runners are placed at a suitable distance from each other parallel, and secured or fastened together by means of the cross-pieces C C, or in any other suitable manner. The bottoms of the runners A A are formed to receive a supplemental bearing or shoe which is detachable and secured by bolts or other suitable means, the purpose of which is to constitute one runner higher than the other to compensate for the furrow cut by the passing of the cutter in a previous bout, the thickness of the supplemental bearing or runner being equal to the thickness of the ribbon of sod previously cut, and arranged so as to be adjustable, producing a level cut and a ribbon of uniform thickness in its whole width. These supplemental bearings or runners A' can be constructed to fit the whole length of the runner A, or made to fit any portion of the bearing-surface required.

B is a stirrup-shaped cutter, placed at right angles to the plane of the runners and projecting below the lower edges of the same, the ends of which are turned up at right angles to the cutting-edge, forming arms *a a*, which are secured in any suitable manner to the inner surfaces of the perpendicular sides of the runners A A. These arms *a a* are set at an angle sufficient to give the cutting-edge of the knife sufficient pitch or inclination to insure a draft or hold upon the ground, thereby producing a uniform thickness of sod, which may be increased or diminished by raising or depressing the cutter B. The curves on the bottom edge of the runners A permit the cutter to accommodate itself to irregularities of the surface of the ground over which it is operated, and by this means a uniform thickness of ribbon lineally is secured.

E is a guide-rod or handle, by which the lateral motion of the cutter is controlled, and is attached to the forward upper portion of either runner, as may be desired.

A' is a supplemental runner or shoe, constructed to fit a part or the whole length of the lower edge of the runner A, and composed of any suitable material, and secured to the runner by bolts or otherwise, so as to be removable at pleasure.

o o represent chains or other devices for the purpose of attaching horse or other power.

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

In a sod-cutter, the runners A, having bearing-faces curved as described, in combination with the detachable supplemental runner of corresponding shape, adapted to be secured to either of said bearing-faces, for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ALPHEUS TEST.

Witnesses:

W. T. DENNIS,
C. J. GEIER.