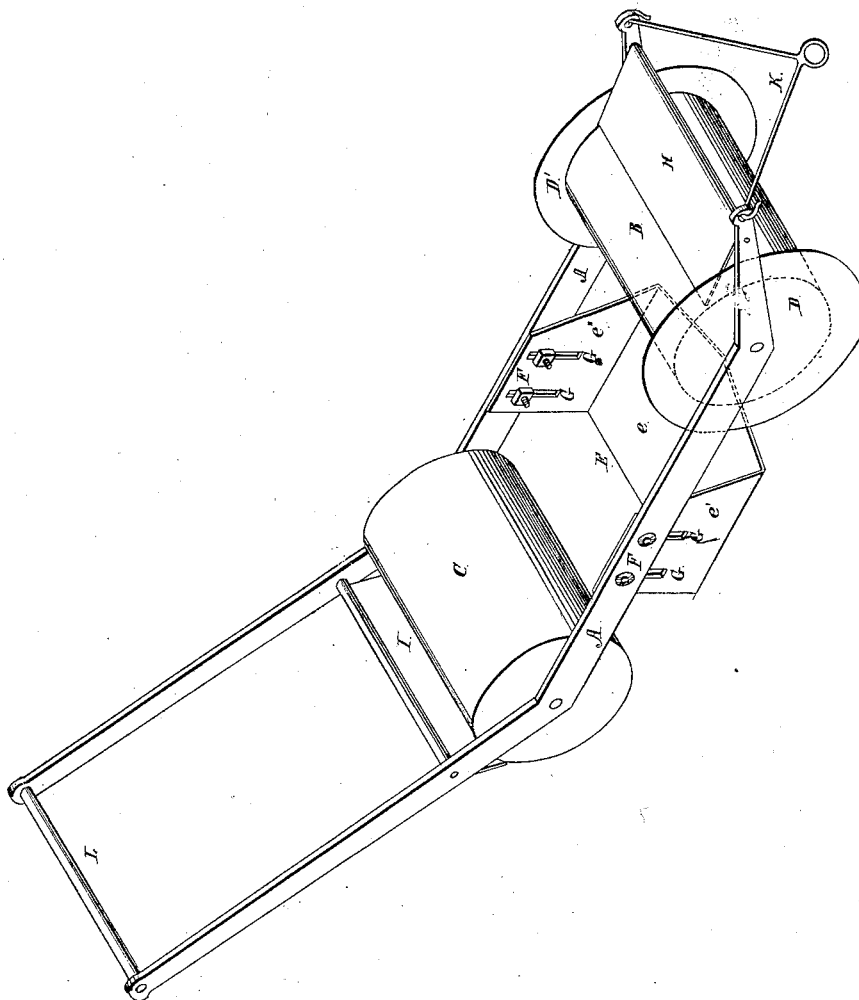


W. A. L. KIRK.
SOD CUTTER.

No. 45,926.

Patented Jan. 17, 1865.



Attest:

James H. Layman.

C. H. Ashurst

Inventor:

W. A. L. Lick
by Knight & Sons
Attys.

UNITED STATES PATENT OFFICE.

WM. A. L. KIRK, OF HAMILTON, OHIO.

IMPROVED SOD-CUTTER.

Specification forming part of Letters Patent No. 45,926, dated January 17, 1865.

To all whom it may concern:

Be it known that I, WILLIAM A. L. KIRK, of Hamilton, Butler county, Ohio, have invented a new and useful Implement for Cutting and Spading Sods; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification.

A is a frame, having two rollers, B C, journaled transversely at its front and rear, respectively. The roller B is armed at its ends with circular cutters D D', which in the operation of opening up the first slice act both of them to incise the sod. In cutting subsequent sods one cutter acts to incise, while the other, merely traveling in the previous incision, fills the office of a guide.

Attached to and depending from the frame is a steel blade, E, having sharp front edges. The horizontal portion *e* of the said blades is brought to an oblique point at its center, and the vertical portions *e'* *e''* of said blade have their cutting-edges inclined backward.

The effect of the above-described shape and position of the cutting-edges of the said blade is to give it a carving action on the roots and other obstructions and to enable a complete disconnection of the slice with a minimum expenditure of power. In addition to the above functions, the different parts *e* *e'* *e''* of said blade act in conjunction with the rollers B and C to hold the implement to its proper course and depth, the vertical portions *e'* *e''*

acting also in co-operation with the cutters D D' to detach the edges of the slice.

The blade E may be attached to the frame by means of screw-bolts F, and may be capacitated for vertical adjustment by the provision of slots G in the vertical portions *e'* *e''*.

H and I are scrapers for the removal of dirt and trash from the rollers.

K is a clevis for attachment of the team.

L is a handle.

I have selected to illustrate my invention a form which practical test induces me to prefer; but I do not desire to confine myself to the precise arrangement herein described so long as I effect the purpose by means substantially equivalent. For example, the vertical parts *e'* *e''* of the blade E, being maintained at a cutting-edge, may be made to do all of the incising necessary, so as to dispense with the circular cutters.

I claim herein as new and of my invention—

1. The arrangement of frame A, rollers B and C, and sod-cutting blade E *e* *e'* *e''*, substantially as set forth.

2. The parts A, B, C, D, D', E, *e*, *e'*, *e''*, F, G, K, and L, as herein arranged and combined.

In testimony of which invention I hereunto set my hand.

WM. A. L. KIRK.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.