

Mowing-Machine.

No. 159,496.

Patented Feb. 9, 1875.



Witnesses,
E. H. Bates
Robert Everett

Inventor.
Penrose W. Brownback,
Chipman & Osmer & Co,
Attys.

UNITED STATES PATENT OFFICE.

PENROSE W. BROWNBACK, OF LIMERICK, PENNSYLVANIA.

IMPROVEMENT IN MOWING-MACHINES.

Specification forming part of Letters Patent No. **159,496**, dated February 9, 1875; application filed September 12, 1874.

To all whom it may concern:

Be it known that I, PENROSE W. BROWNBACK, of Limerick, in the county of Montgomery and State of Pennsylvania, have invented a new and valuable Improvement in Mowing-Machine; 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, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a vertical sectional view of my mowing-machine. Fig. 2 is a bottom view of the same.

This invention relates to mowing-machines, and especially to those parts of such machines which communicate reciprocating motion to the sickle. The novelty of my invention consists in adapting the well-known lever-escapement to the accomplishment of the object named, as will be hereinafter explained.

In the annexed drawings, A designates a draft-frame, which is mounted on the axle C of two transporting-wheels, B B. D designates a pallet-wheel, which is keyed on the axle C, with which wheel the escapement-lever E engages. The lever E is pivoted at a to a pendant, A', and to this lever a rod, F, is rigidly secured. G designates a horizontal

rod, which is jointed to the lower end of rod F, and also to the longest arm of an angular lever, L. Lever L has its fulcrum on a stirrup, J, depending from the frame A, and the short arm of this lever is connected by a short rod, r, to the sickle H. The finger-bar is hinged to the stirrup J and a pendant, J', which latter has a ground-wheel, g, applied to its lower end. The outer end of the finger-bar is supported by a wheel, g', in the usual manner, and this bar can be turned up in a vertical position by means of a hand-lever, K, and a rope or chain, c.

It will be seen from the above description that a very rapid motion will be transmitted to the sickle when the machine is drawn along.

What I claim as new, and desire to secure by Letters Patent, is—

In a mowing-machine, the wheel D on axle C, in combination with lever E, rods F G, lever L, rod r, and sickle H, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

PENROSE W. BROWNBACK.

Witnesses:

G. E. BROWNBACK,
R. BROOKE EVANS.