

GEORGE W. TISCHER.

Improvement in Lawn-Mowers.

No. 126,102.

Patented April 23, 1872.

Fig. 1.

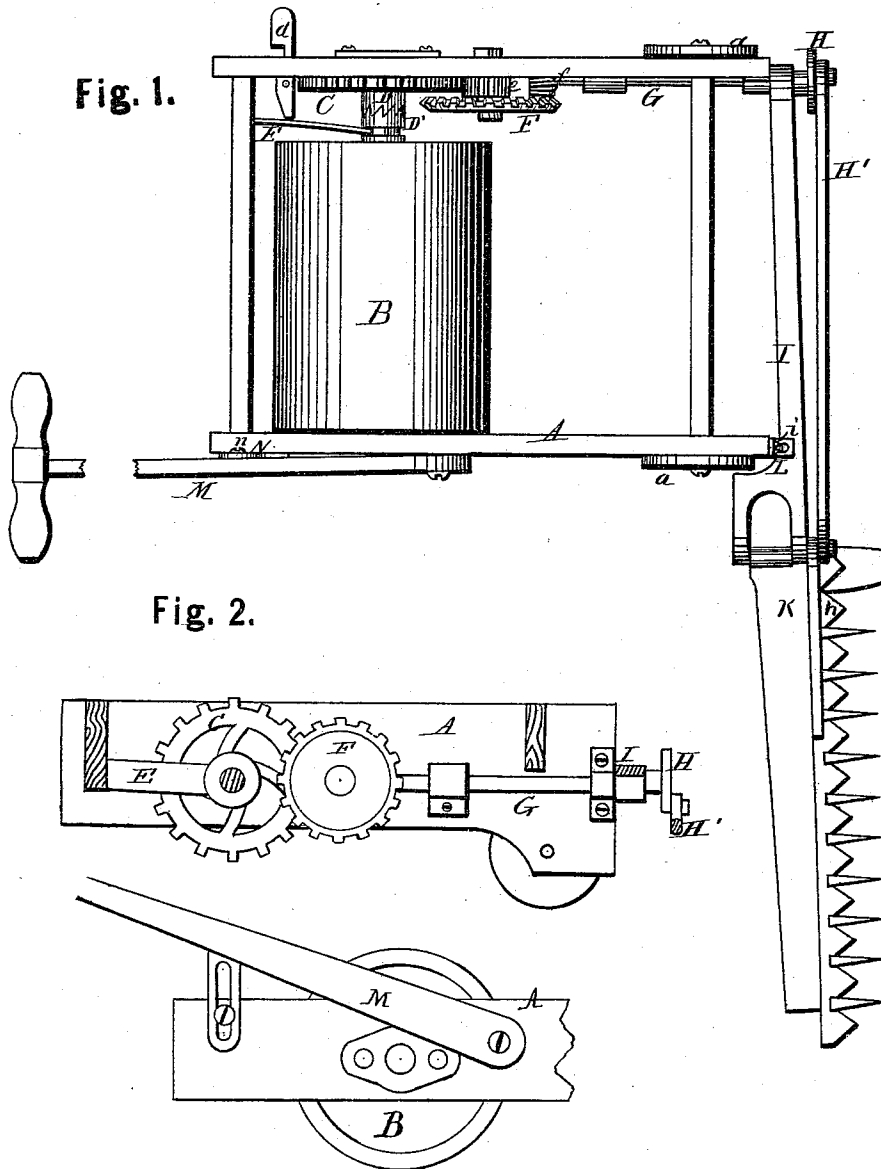


Fig. 2.

WITNESSES.

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UNITED STATES PATENT OFFICE

GEORGE WILLIAM TISCHER, OF DAYTON, OHIO.

IMPROVEMENT IN LAWN-MOWERS.

Specification forming part of Letters Patent No. 126,102, dated April 23, 1872.

To all whom it may concern:

Be it known that I, GEORGE W. TISCHER, of Dayton, in the county of Montgomery and State of Ohio, have invented a new and valuable Improvement in Lawn-Mowers; 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 drawing 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 top-plan view of my invention. Figs. 2 and 3 are detailed views of the same.

This invention has relation to lawn-mowers; and consists in the novel construction and arrangement of devices for making the machine more effective in operation, all as hereinafter described.

In the accompanying drawing, A represents a rectangular frame, supported in front by two small side wheels, *a*, and in the rear by the driving-roller B. Upon the shaft of said roller is placed a loose spur-wheel, C, from the inner face of which projects a clutch-block, D, which fits another clutch-block, D'. The clutch-block D' is arranged to slide along the shaft, and by means of key-and-groove fastening is made to turn with it. The teeth of the clutch-blocks are beveled, so that said blocks will work together as the roller moves forward. A forked spring-bar, E, or yoke attached to the rear end of the frame A, serves to keep the clutch-block in position. This block may at any time be detached from its mate by means of a pin, *d*, passing through the side of the

frame A and touching the bar E. The spur-wheel C engages with a pinion, *e*, on the shaft of which is a beveled tooth-wheel, F, engaging with a pinion, *f*, on the inner end of a horizontal shaft, G, which is journaled to the side of the frame A. H designates a crank-plate or wheel on the outer end of said shaft; H', a pitman connecting said crank to the cutter-bar *h*. I is a bar hinged to the shaft G, and also to the finger-bar K. A slotted standard, L, is attached to said bar I, and renders the bar I and finger-bar adjustable, a pin, *i*, being used to hold the standard L at any desirable point. M represents the handle by which the lawn-mower is propelled. This handle is pivoted to one side of the frame, and has attached to it a slotted standard, N, which renders said handle adjustable. The pin *n* fastens the standard N to the frame. The standard may be removed when desired, and the handle thrown forward and used in pulling the mower.

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

A lawn-mower, constructed substantially as described, consisting of the frame A, driving-roller B, wheels C *e* F *f*, clutches D D', shaft G, crank-wheel H, pitman H', and cutter-bar *h*, with the spring E and pin *d*, substantially as specified.

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

GEORGE WILLIAM TISCHER.

Witnesses:

JAMES BRETTON,
J. P. WHITMORE.