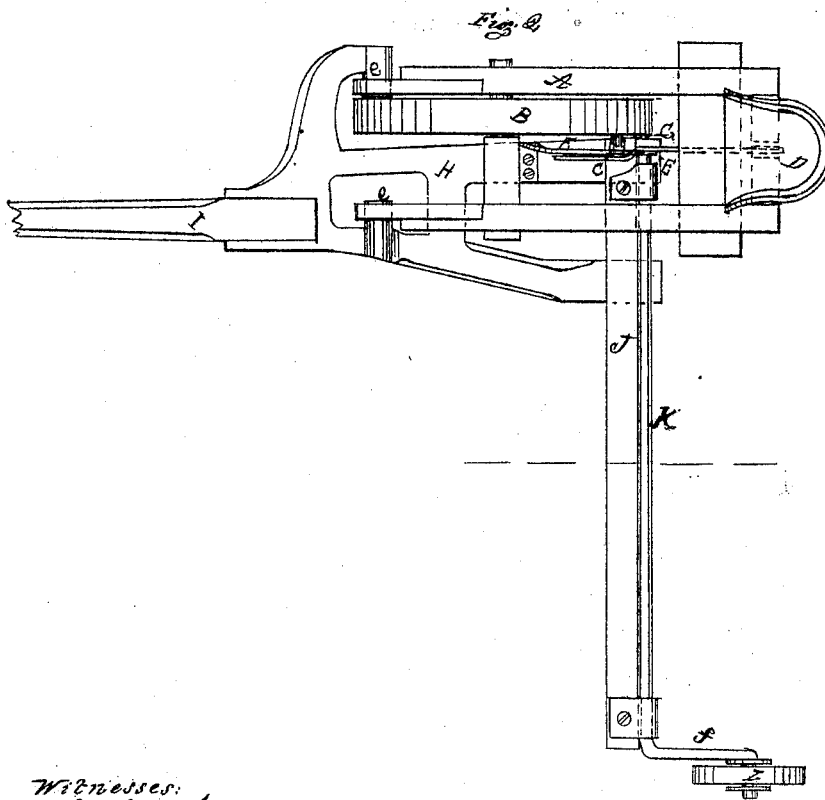
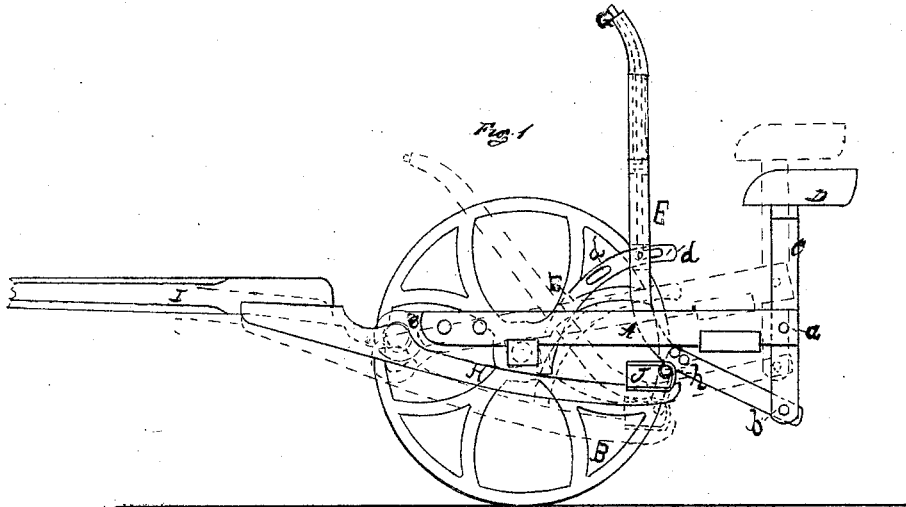


J. S. Truxel.
Mower

No. 45,094

Patented Nov. 15 1864.



Witnesses:
J. C. Coombs
Henry Morris

Inventor
Jno. S. Truxel
By J. H. Hunt

UNITED STATES PATENT OFFICE.

JOHN S. TRUXEL, OF MOUNT PLEASANT, PENNSYLVANIA.

IMPROVEMENT IN REAPING AND MOWING MACHINES.

Specification forming part of Letters Patent No. **45,094**, dated November 15, 1864.

To all whom it may concern:

Be it known that I, JOHN S. TRUXEL, of Mount Pleasant, in the county of Westmoreland and State of Pennsylvania, have invented a new and useful Improvement in Reaping and Mowing Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable any person skilled in the art to make and use the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view of a mowing-machine constructed according to my invention; Fig. 2, a plan or top view of the same.

Similar letters of reference indicate the same parts.

This invention relates to a new and useful arrangement of means for raising and lowering the cutter-bar, whereby the aforesaid work may be done with the greatest facility while the machine is in motion and without throwing the driver's seat out of a horizontal position.

A represents the main frame of the machine, which may be of rectangular form, and has the driving-wheel B fitted within it.

To the back part of the main frame A there is secured by pivots *a a* a support C, on the top of which the driver's seat D is attached, and the lower end of the support C is connected by a pivot, *b*, to a curved lever, E, which extends up through the main frame A, and has a loop or guide, *c*, at one side of it, through which a segment-bar, F, passes loosely. This bar F has curved oblong slots *d* made in it to receive the end of a catch, G, attached to the lever E. The curved or segment bar F is attached to the frame H, to which the front end of the main frame A is connected by joints *e*, and to the front end of the frame H the draft-pole I is permanently secured.

To the back end of the frame H the cutter-

bar J is permanently connected, and at the back part of the cutter-bar there is a shaft, K, having a crank, *f*, at its outer end, on which a small wheel, L, is placed. The shaft K at its opposite end is attached to the lever E.

From the above description it will be seen that by shoving forward the upper end of the lever E the back end of the frame H will be pressed down and the crank *f* turned so as to admit of the horizontal descent of the cutter-bar, the latter being raised by a reversed movement of lever E, and it will be seen that the cutter-bar may be retained at a greater or less height by having the catch G fitted in different slots *d* in the bar F. These slots *d*, in consequence of being of oblong form, admit of the cutter-bar rising and falling to a certain extent to conform to the inequalities of the surface of the ground over which it may pass.

It will further be seen that in consequence of the lever E being connected to the lower end of the pivoted seat-support C the seat will, as the cutter-bar is raised and lowered, remain in about a horizontal position, and the cutter-bar consequently be raised and lowered at the will of the driver while the machine is in motion or at work.

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

1. The main frame A and cutter-bar H, connected as shown, in combination with the pivoted seat-support C and lever E, all arranged to operate in the manner substantially as and for the purpose herein set forth.

2. The bar F, provided with oblong slots *d* to receive the catch G and admit of the up-and-down self adjusting movement of the cutter-bar, as set forth.

JOHN S. TRUXEL.

Witnesses:

JOHN E. FLEMING,
MICHAEL ABBOTT.