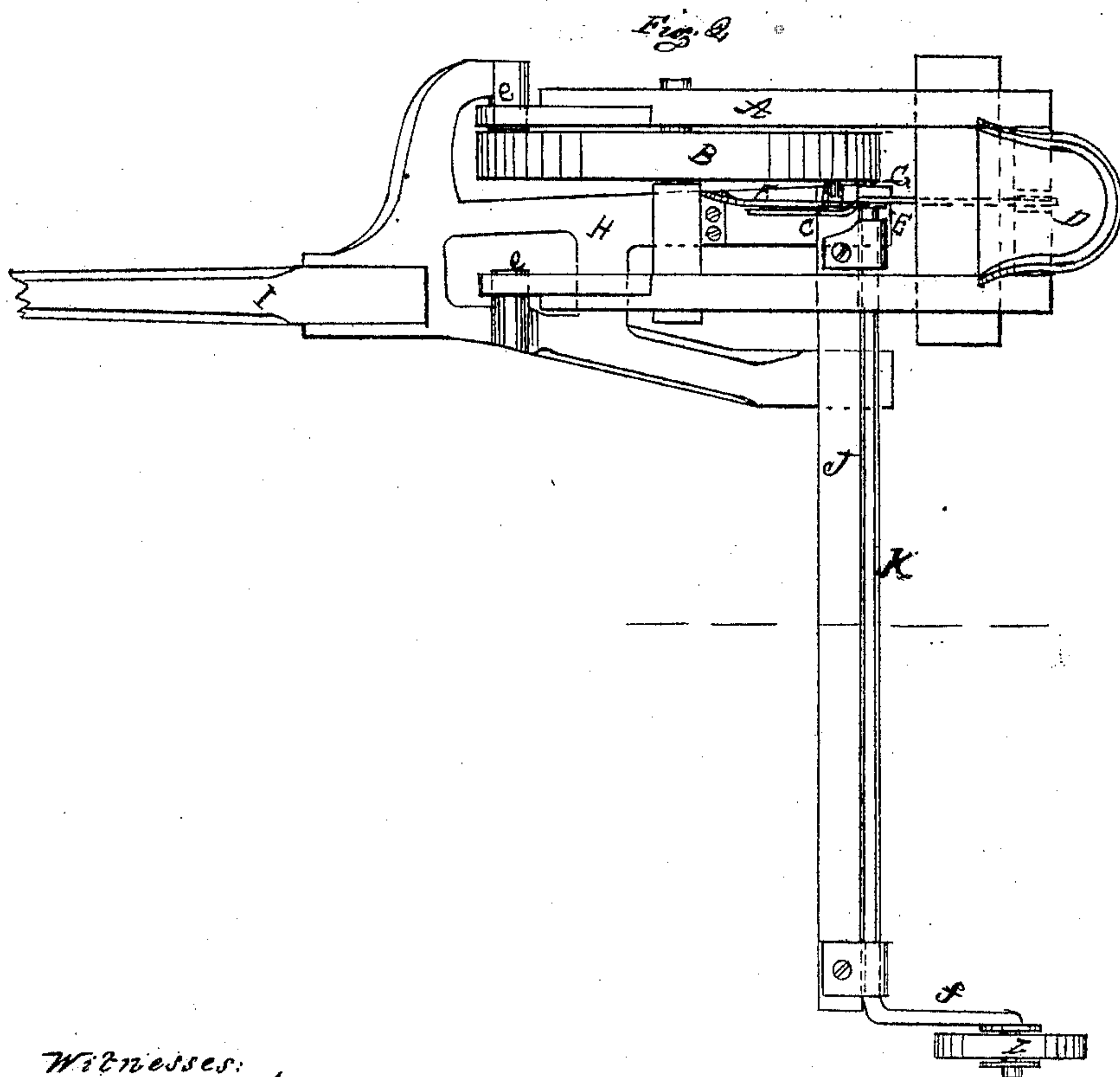
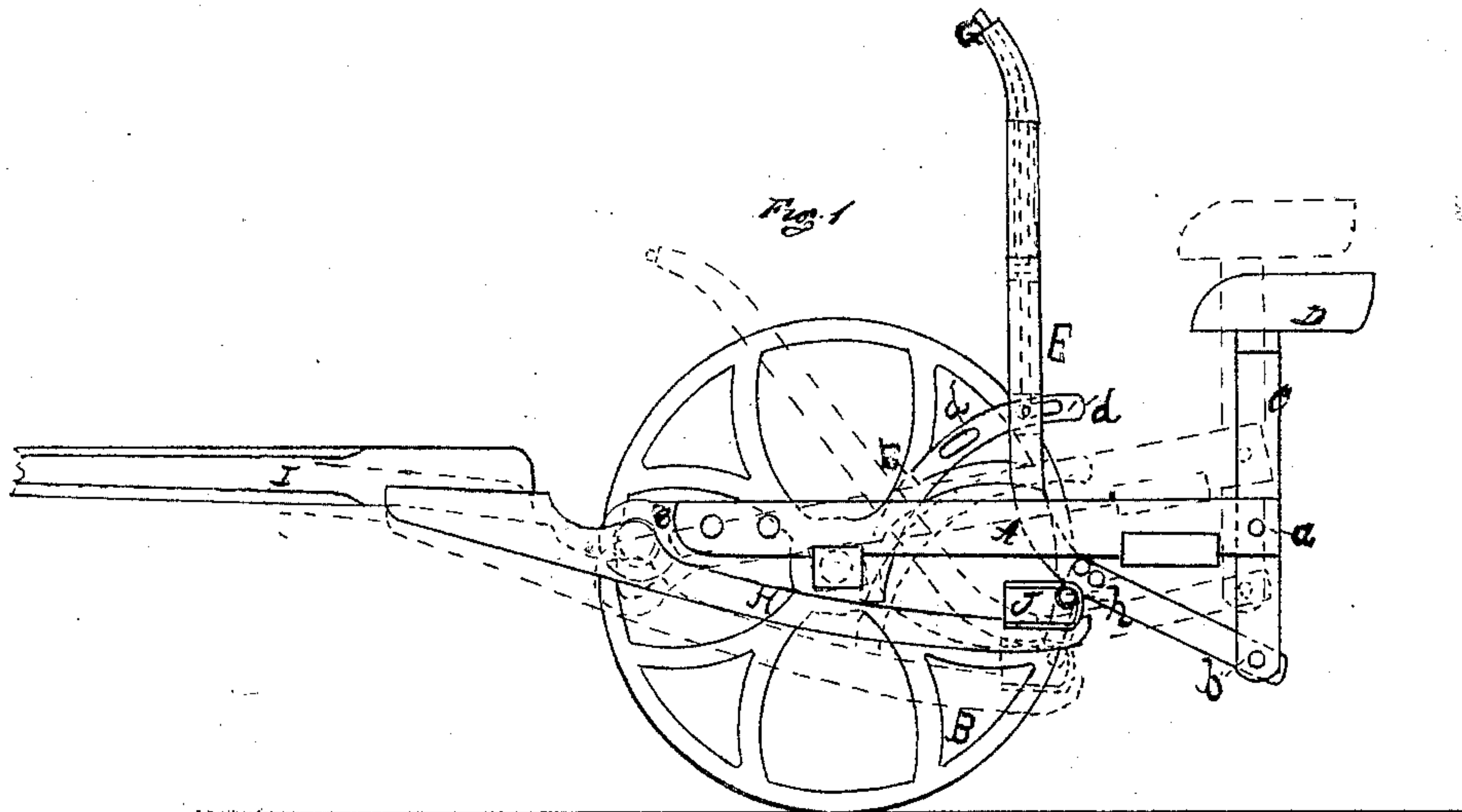


# J. S. Truxel. Mower

No. 45,094

Patented Nov. 15 1864



Witnesses:  
J. C. Coombs  
Henry Merino

Inventor:  
Jno. S. Truxel  
By *[Signature]*  
Att'y

# 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* 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.