

M. F. LOWTH.
MOWER.

No. 187,542.

Patented Feb. 20, 1877.

Fig. 1.

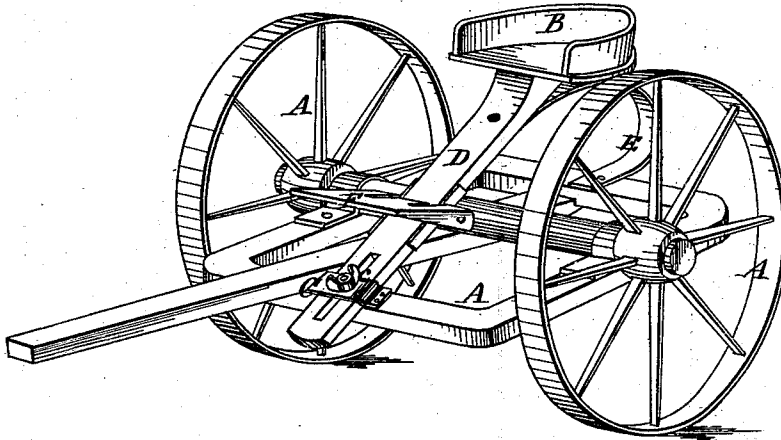


Fig. 2.

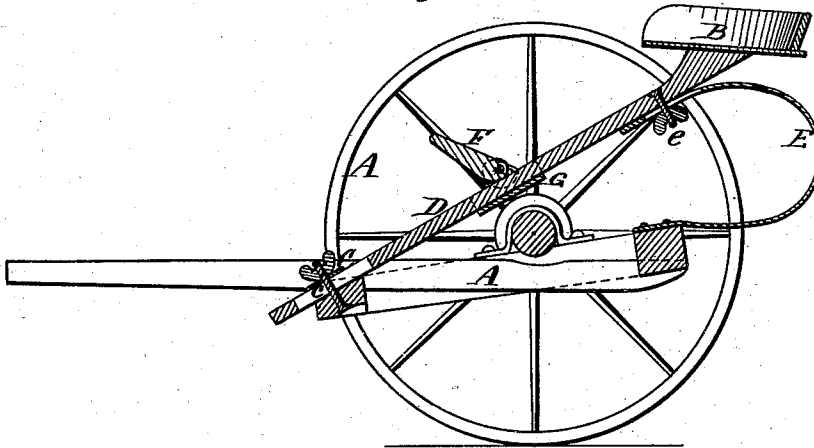
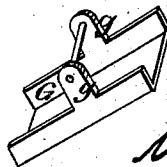


Fig. 3.



Witnesses:

P. McKie

H. S. Miller

Inventor:

Michael F. Lowth

by L. Deane

Atty.

UNITED STATES PATENT OFFICE.

MICHAEL F. LOWTH, OF OWATONNA, MINNESOTA.

IMPROVEMENT IN MOWERS.

Specification forming part of Letters Patent No. 187,542, dated February 20, 1877; application filed June 24, 1876.

To all whom it may concern:

Be it known that I, MICHAEL F. LOWTH, of Owatonna, in the county of Steele and State of Minnesota, have invented certain new and useful Improvements in Mowers, of which the following is a specification:

Figure 1 is a perspective, showing the seat and foot-rest. Fig. 2 is a vertical central section. Fig. 3 is a detail of the foot-rest.

The novelty in the present invention relates to the adjustable spring-seat, and in combining therewith an adjustable foot-rest; and the same consists, more particularly, in so constructing and adapting the seat that it can be raised or lowered, and in combining therewith an adjustable spring, that can be lengthened or shortened, to correspond with the height of the seat as the board spring is raised or lowered, and in adapting to the spring-board an adjustable foot-rest, all as will now be more in detail set out and explained.

In the drawings, A denotes a carriage for a mower, plow, seeder, or any such like device, to and upon which is attached and secured the seat B by means of a clamp or set-screw, *c*, which passes through the guide C, a slot, *d*, in the board spring D, and a like screw, *e*, which passes through a slot in the end of spring E, and holds said end under the upper end of the said spring-board. By these means the seat B can be suitably raised or lowered, and when adapted to a proper height, as desired in any particular instance, can be stayed and held securely.

The spring under the seat serves to make the motion of the seat more gentle. This adds greatly to the ease of the rider, and likewise conduces to prevent strain by any sudden motion of the carriage, because it will materially aid in breaking or resisting the force of it.

The spring-board held in the way and by the means now shown is more desirable than any method in use for regulating the position of the seat, because it is possible to place the seat in better relation to the wheels and other parts of the carriage, causing the driver's weight to balance on the carriage, and in this way a better draft capacity is always secured.

Upon the board spring is suitably secured the foot-rest F, so that it may, at will, be ad-

justed in any desired position for the driver's foot to rest upon.

I have now shown how this can be accomplished by cutting out a small piece from the face of the rest nearest the spring, and about as wide as said band, and giving to its edge an elliptical shape, while the ears which will thus be formed at the ends of the rest, and extend said board. On each side the foot-rest is now secured to the board by means of a shoe, G. This shoe fits upon the under side of the board, its turned-up edges closely embracing the edge of the board, while its ears *g* come close against each end of said elliptical part of the rest, and a pin passing through the ears and said edge forms a suitable joint, on which the foot-rest can be turned. By turning the outer edge of the foot-rest slightly upward the rest will be released, so that it can be easily moved up or down the spring-board; and to fix it in any position it is only necessary to turn down the outer edge till the elliptical edge binds upon the board, when the rest will be firmly held.

It is evident that the mere mechanical details of carrying out this point may be changed, and I do not therefore now design to limit myself exactly to the precise method or means by which I have illustrated it.

This invention is very simple in construction in all its details, as well as very cheap, and can be readily adapted to old as well as new machines.

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

1. In a mowing-machine, the combination of an adjustable board spring-seat support and an adjustable auxiliary seat-spring, substantially as and for the purposes set forth.

2. The combination of the board spring-seat support D with the adjustable foot-rest F, having a cam-shaped edge, and connected to the shoe G, substantially as described.

In testimony that I claim the foregoing as my own I hereunto affix my signature in presence of two witnesses.

MICHAEL F. LOWTH.

Witnesses:

LEWIS L. WHEELOCK,
JAMES FISK.