

A. ADAMS.
MOWING-MACHINE.

No. 176,824.

Patented May 2, 1876.

Fig 2

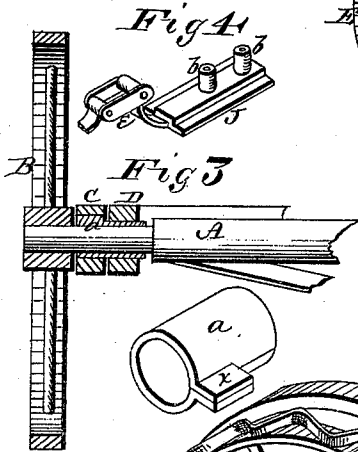
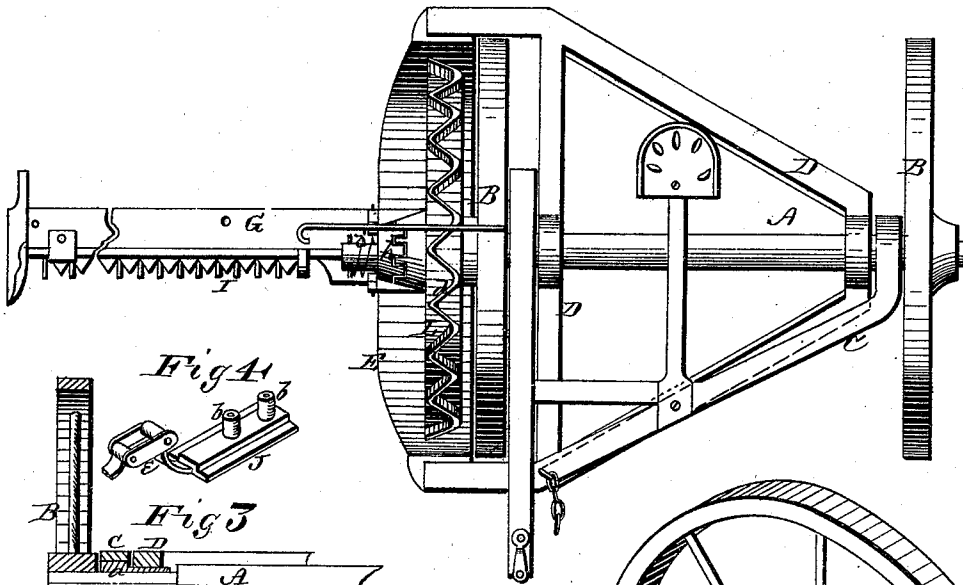
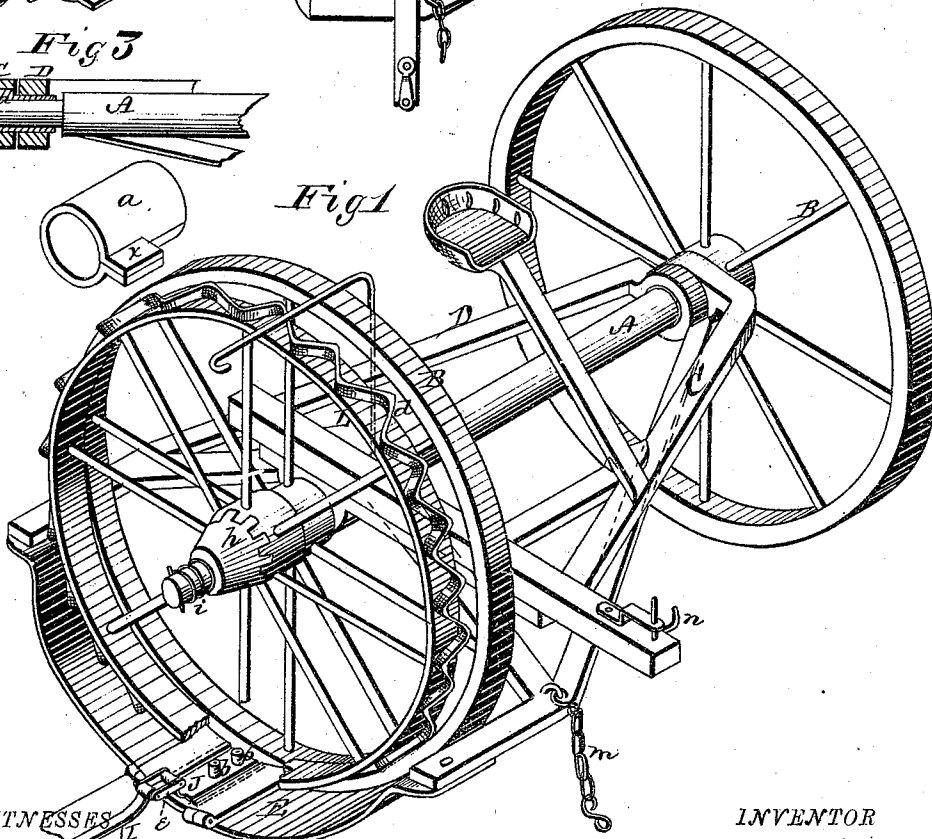


Fig 1



WITNESSES

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ABRAM ADAMS, OF OSHKOSH, WISCONSIN.

IMPROVEMENT IN MOWING-MACHINES.

Specification forming part of Letters Patent No. 176,824, dated May 2, 1876; application filed July 19, 1875.

To all whom it may concern :

Be it known that I, ABRAM ADAMS, of Oshkosh, in the county of Winnebago and in the State of Wisconsin, have invented certain new and useful Improvements in Mowing-Machines; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a mowing-machine, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of my improved mowing-machine. Fig. 2 is a plan view of the same, and Figs. 3 and 4 are detached views of parts thereof.

A represents the axle of my machine, on which are placed the two driving-wheels B B, one or both of which may be made fast on the axle, so that the axle will revolve when the machine is in motion. On the axle A on the inner side of each wheel B is placed a sleeve, *a*, having a feather, *x*, and on these sleeves are placed two frames, C and D, the outer frame C being made fast to the sleeves while the inner frame D turns thereon. The inner frame D extends in front and rear of and beyond the inner driving-wheel, and has the shoe E secured to its projecting ends. To the center of this shoe is hinged the finger-bar G, and the cutter-bar I slides thereon, the inner end of said cutter-bar being by a link, *e*, con-

nected with a slide, J, which moves in guides on the shoe E. On the slide J are two upright studs provided with friction-rollers *b b* operating on the cam *d* fixed upon the wheel L. This wheel is placed loosely on the end of the axle A, which projects beyond the inner driving-wheel for that purpose, and is thrown in gear with the same by a clutch, *h*, operated by a spring, *i*. On the outside of the rim of the wheel L is secured the zigzag cam *d*, which works between the rollers *b b*, and has the inner corners rounded, as shown, to fit the rollers. The outer frame C has the tongue P secured on its inner side, and the inner frame D is suspended from the tongue by a chain, *m*, attached to a hook, *n*, thereon.

By the use of the boxes or sleeves *a* the machine is held together without the use of bolts; and by the inside frame hanging on said boxes the cutter-bar is raised or lowered at the pleasure of the operator. The sleeves *a* can easily be removed and replaced by new ones when the parts become loose by wear.

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

The slide J with friction-rollers *b b*, and working in a groove in the shoe E under the cam-wheel, in combination with the cutter-bar I and cam *d* on the wheel L, all constructed substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 7th day of July, 1875.

ABRAM ADAMS. [L. S.]

Witnesses:

JOHN W. HUME,
H. B. JACKSON.