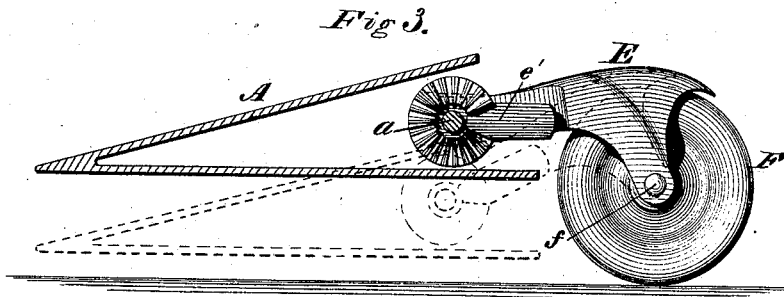
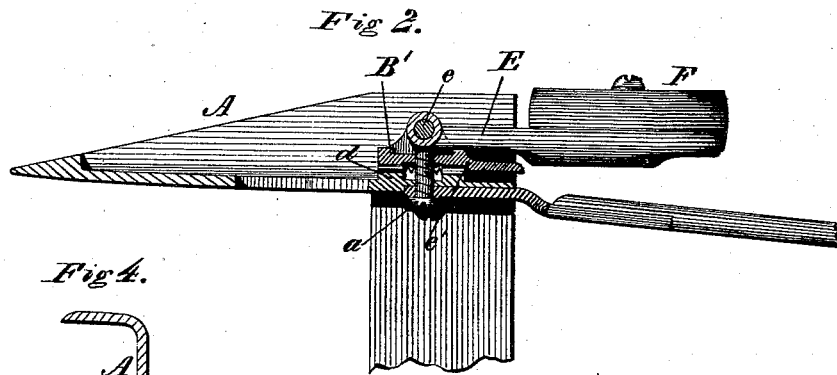
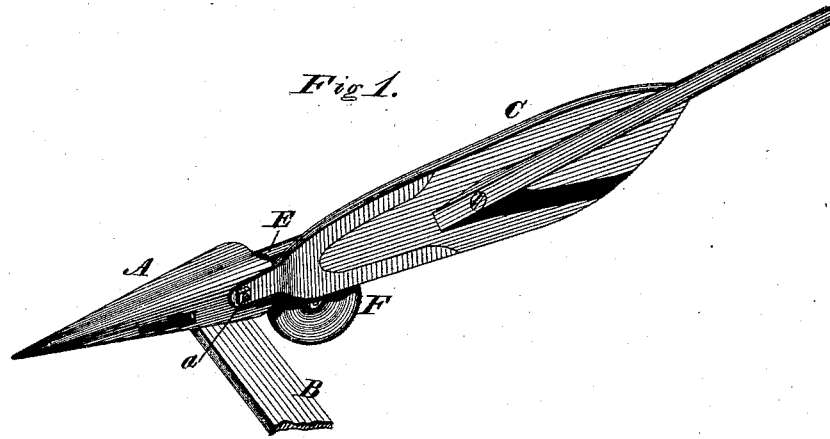


J. P. MANNY.
Mowing Machine.

No. 166,019.

Patented July 27, 1875.



WITNESSES
Harry King
Geo. H. Young

INVENTOR
John P. Manny
 By his Attorney
Wm. D. Baldwin

UNITED STATES PATENT OFFICE.

JOHN P. MANNY, OF ROCKFORD, ILLINOIS.

IMPROVEMENT IN MOWING-MACHINES.

Specification forming part of Letters Patent No. **166,019**, dated July 27, 1875; application filed November 28, 1874.

To all whom it may concern:

Be it known that I, JOHN P. MANNY, of Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Mowing-Machines, of which the following is a specification:

My invention relates to the divider, grass-wheel, and track-clearer of a mowing-machine.

In the accompanying drawings, Figure 1 is a view in perspective of so much of the divider end of the cutting apparatus of a mowing-machine as is necessary to illustrate my invention; Fig. 2, a plan thereof, partly in section; Fig. 3, a side view thereof, also partly in section; and Fig. 4 a vertical transverse section therethrough.

The divider A is secured to the finger-beam B in any of the usual well-known ways. The divider is conical in its general outline and trough-shaped or open on one side—the grain-side. A recess is formed in its inner wall to receive the end of the track-clearer C. A rose or series of radial corrugations, *d*, on the outer side of the inner wall of the divider, receives a correspondingly-grooved stud-bracket, B', in which an arm, E, is pivoted at *e*, so

as to swing freely horizontally. A spur, *e'*, limits the inward swing of this arm, and prevents it from injuring the track-clearer.

A grass-wheel, F, turns on a stud-axle, *f*, projecting from this swinging arm. By means of the radial grooves, the grass-wheel arm can be set at any desired angle of inclination to the ground, (see dotted lines, Fig. 3.) Owing to the inclination of the pivot *e*, the finger-beam lifts in turning, when backing. A single bolt, *a*, locks the divider, the track-clearer, and the stud-bracket, to which the grass-wheel arm is hinged, securely together, and holds the arm in its adjusted position.

I claim—

The combination, substantially as set forth, of the divider, the track-clearer, the stud-bracket, to which the grass-wheel arm is hinged, and the single through-bolt which secures the above-named parts together.

In testimony whereof I have hereunto subscribed my name.

JOHN P. MANNY.

Witnesses:

WM. J. PEYTON,
E. C. DAVIDSON.