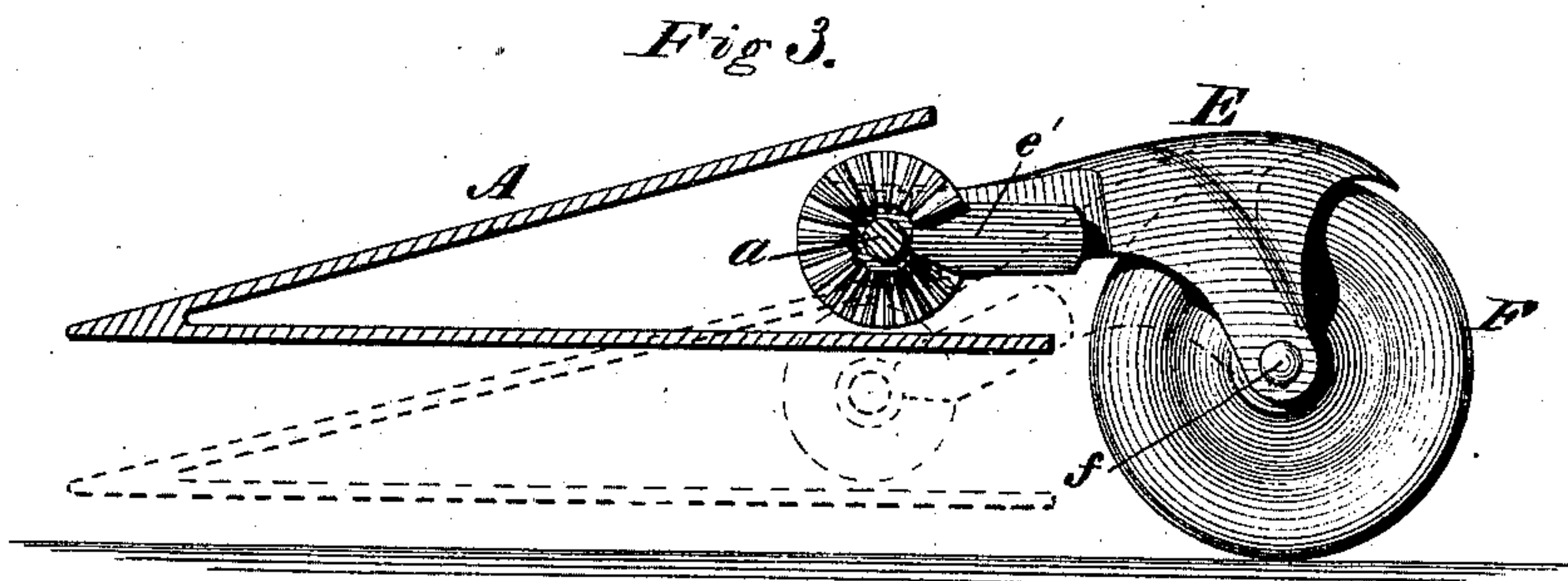
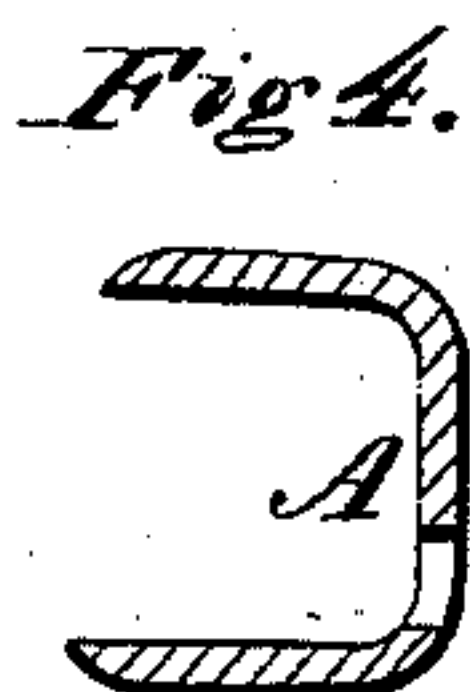
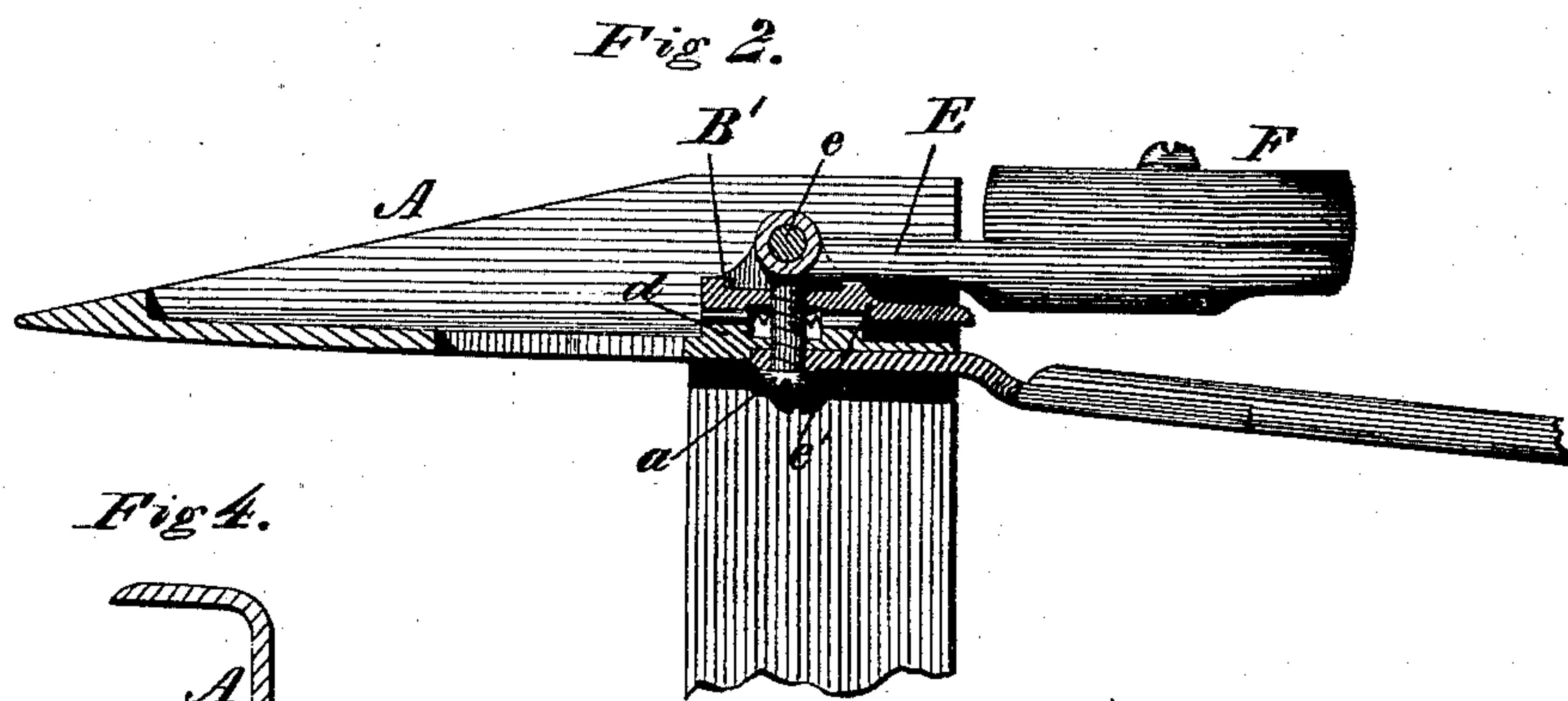
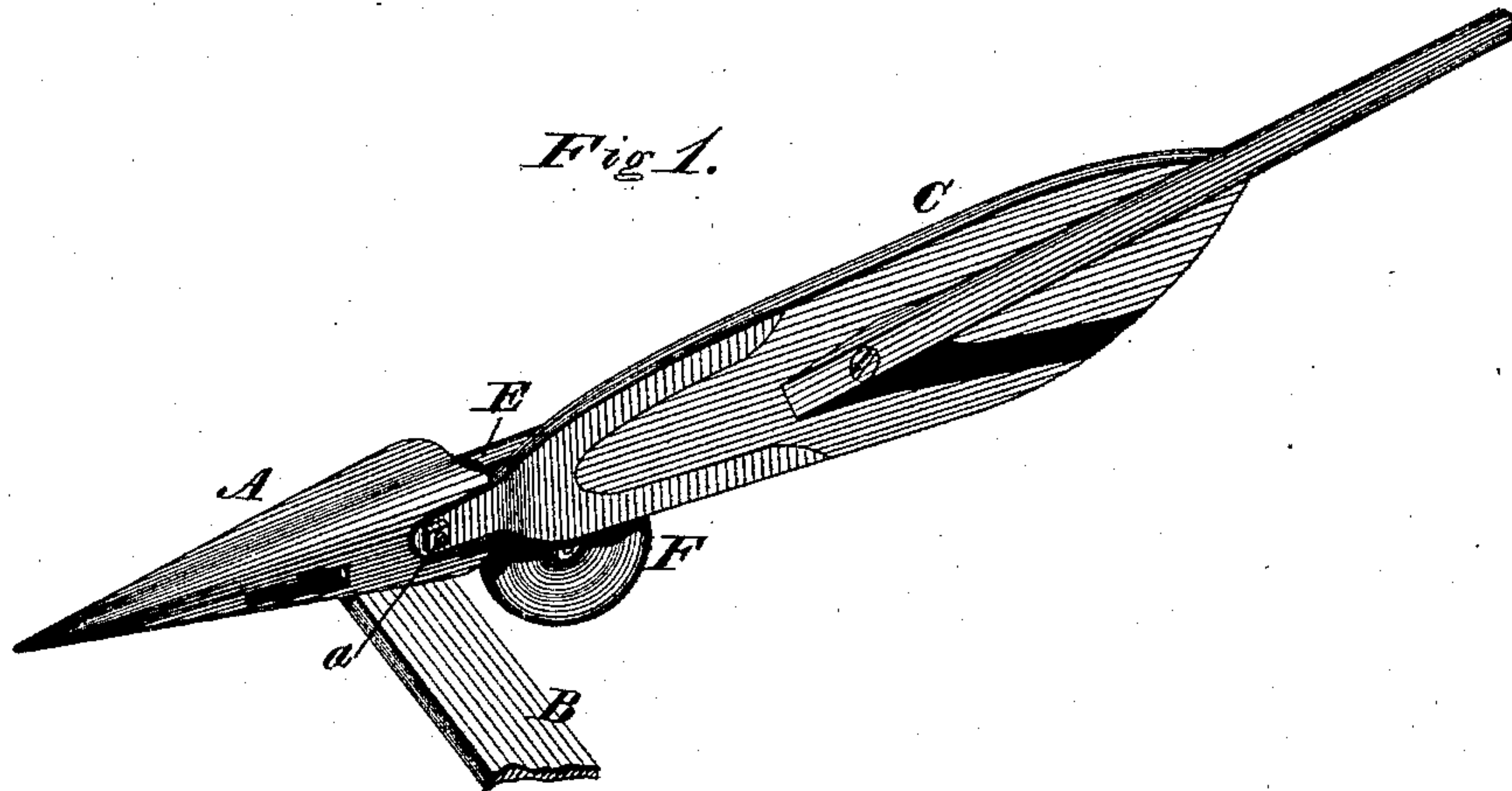


**J. P. MANNY.**  
**Mowing Machine.**

No. 166,019.

Patented July 27, 1875.



WITNESSES  
*Harry King*  
*H. 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.