

(No Model.)

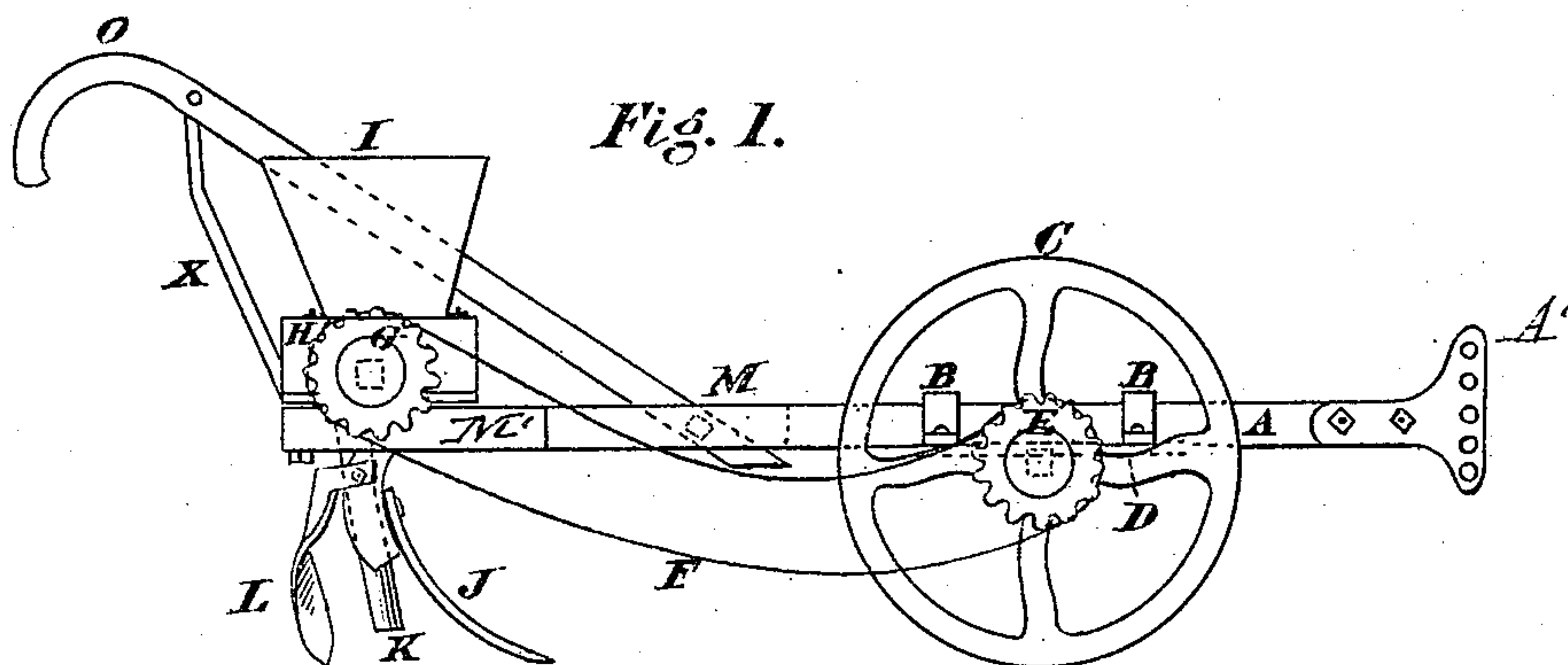
2 Sheets—Sheet 1.

J. L. McCALL.

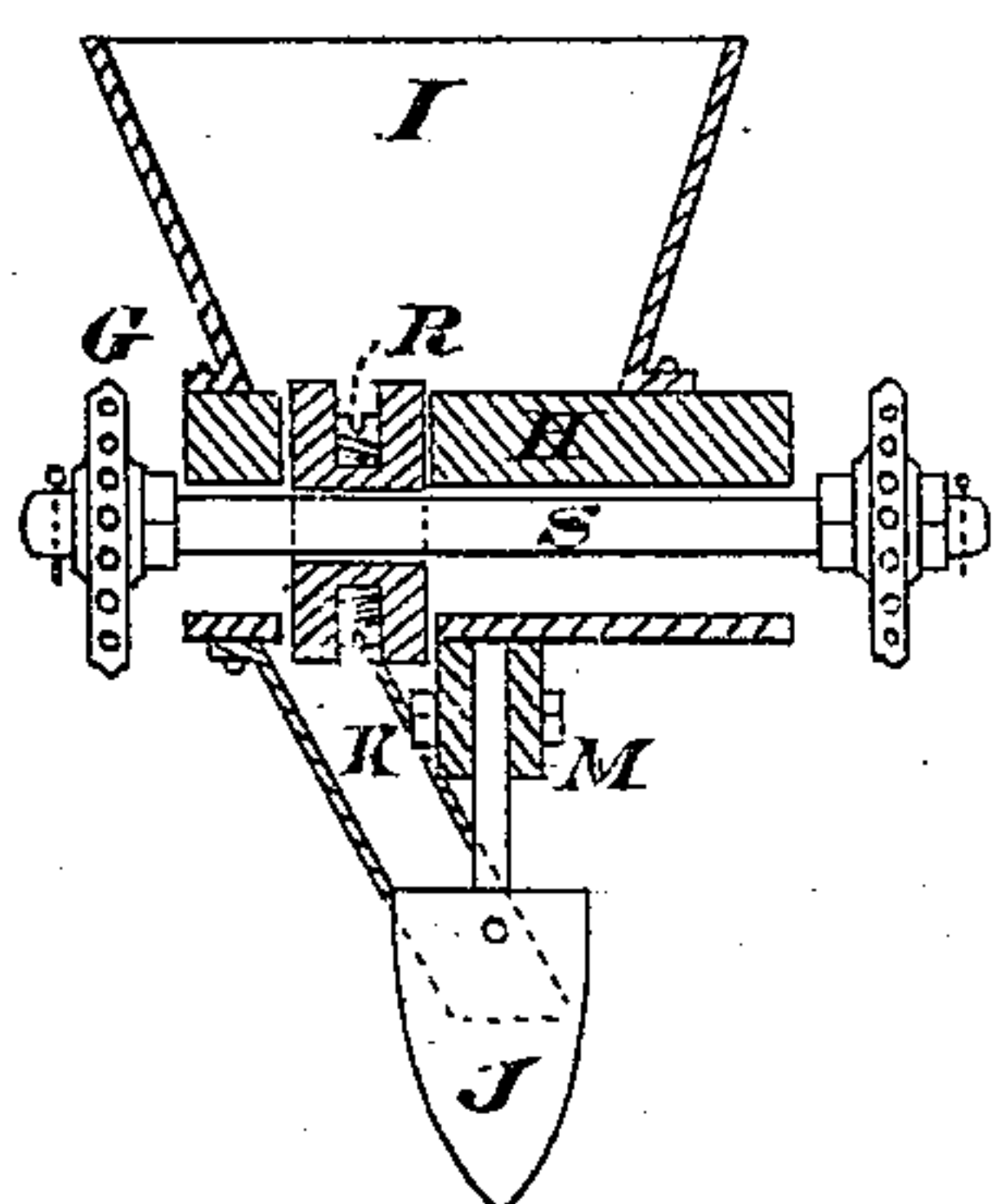
AGRICULTURAL IMPLEMENT.

No. 250,826.

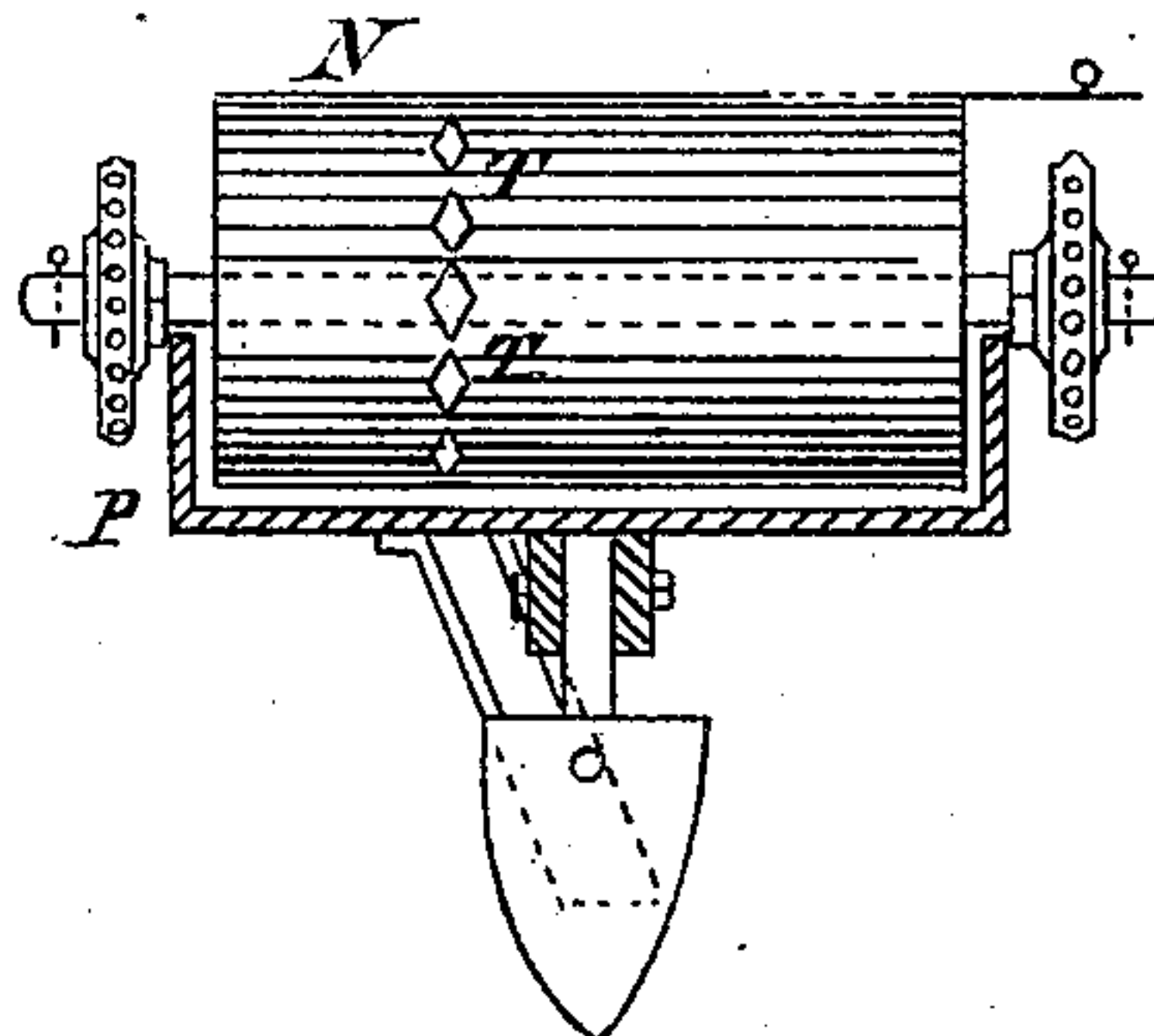
Patented Dec. 13, 1881.



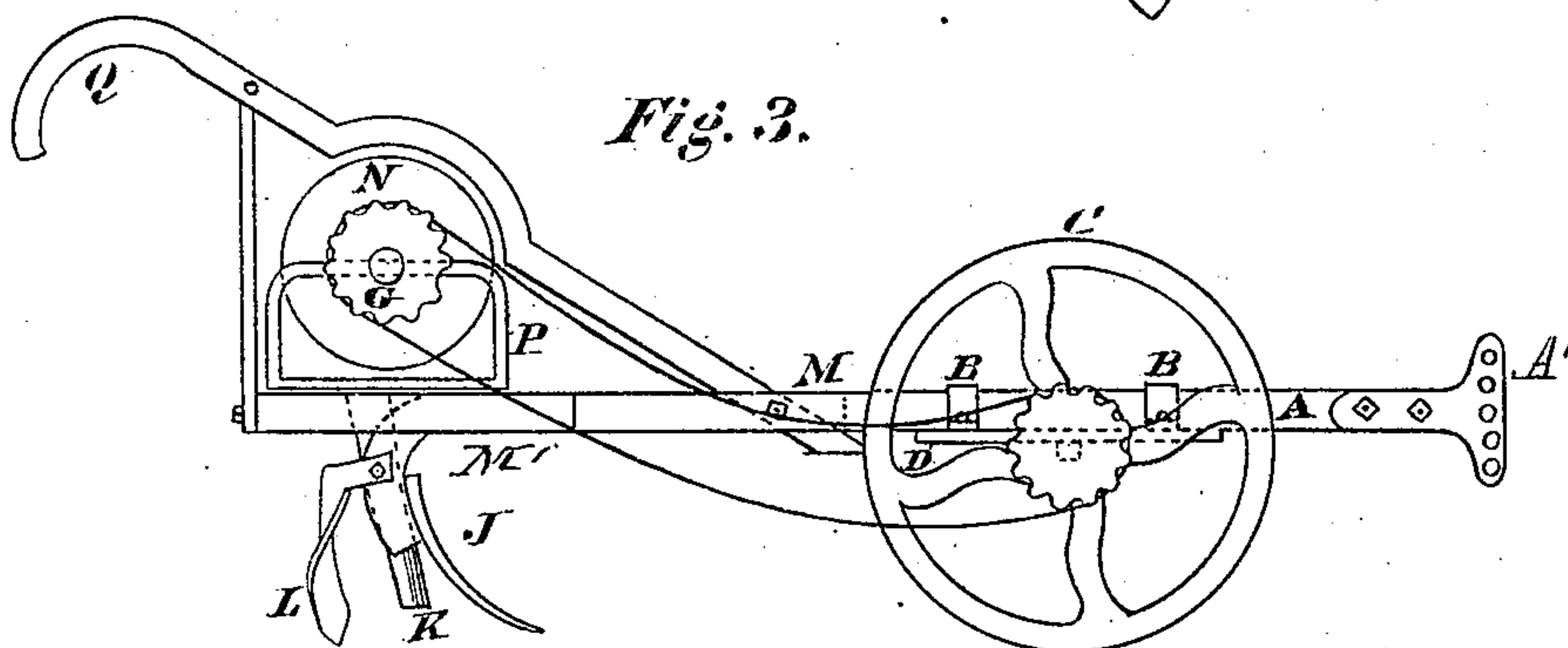
*Fig. 2.*



*Fig. 4*



*Fig. 3.*



WITNESSES

Virgil M. Roy -  
Frank Pardon.

**INVENTOR.**

J. M. Hall

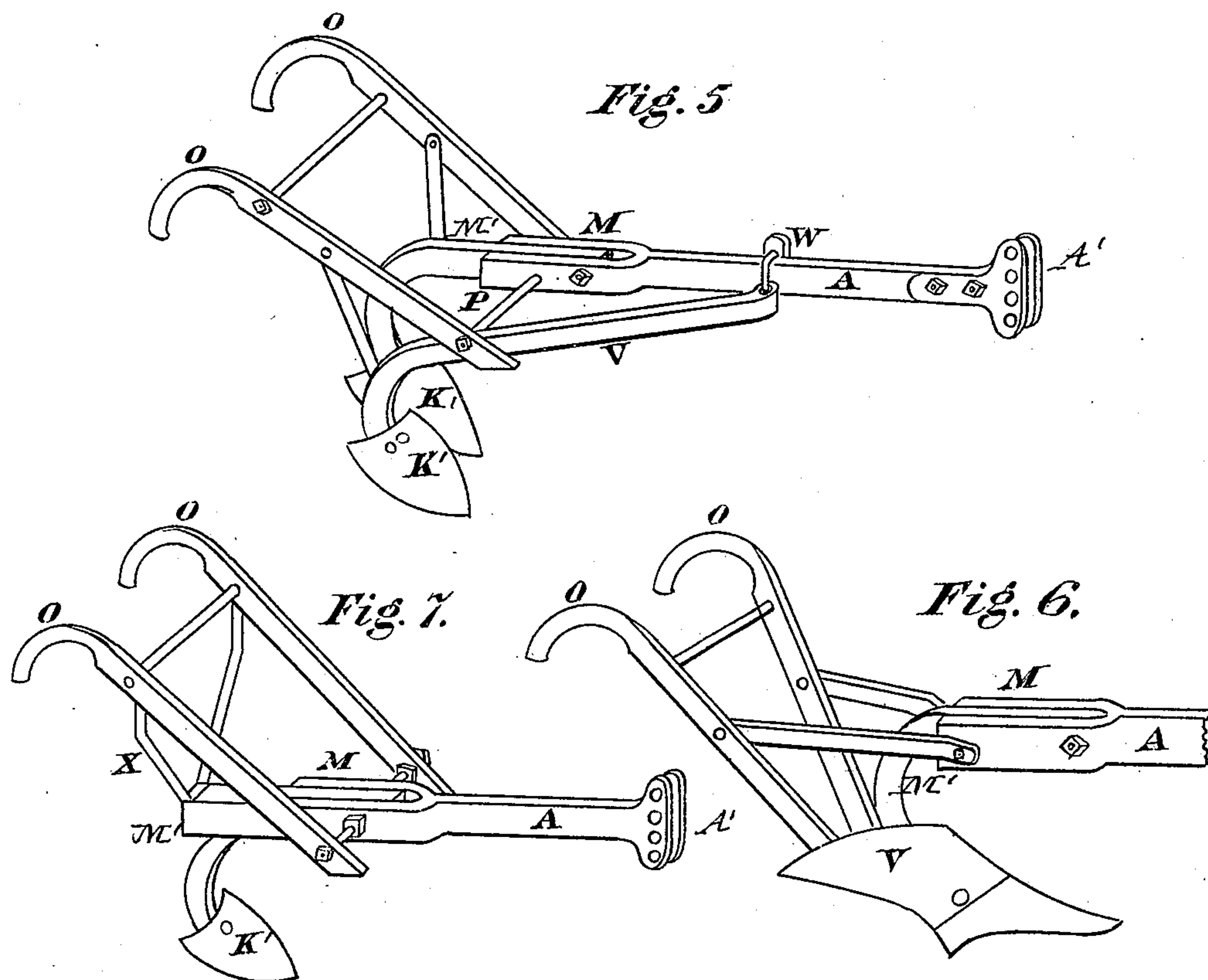
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WITNESSES

Virgil M. Roy  
Frank Pardow.

INVENTOR

J. L. McCall

# UNITED STATES PATENT OFFICE.

JOHN L. McCALL, OF LOUISVILLE, KENTUCKY.

## AGRICULTURAL IMPLEMENT.

SPECIFICATION forming part of Letters Patent No. 250,826, dated December 13, 1881.

Application filed April 14, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN L. McCALL, of Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Agricultural Imple-

ments, of which the following is a specification: The nature of my invention consists in a bifurcated beam, in combination with an auxiliary beam connected to the former by a bolt, and suitable seeding mechanism, as will be understood by the following description.

In the drawings hereto annexed, Figure 1 is a side view illustrating my compound beam, to which means are applied for planting corn. Fig. 2 is a vertical transverse section, showing the seed-dropping devices. Fig. 3 shows the same beam with cotton-seed-dropping devices, and Fig. 4 shows the devices for dropping cotton-seed. Fig. 5, Sheet 2, is a perspective view, showing two shovel-plows. Fig. 6 shows a single light turn-plow, and Fig. 7 shows a single shovel.

In the drawings, A designates a beam, on the front end of which is a clevis, A'. The rear end of this beam A is bifurcated, and between the two prongs I secure, by means of a bolt, M, a supplemental beam, M', which may be curved or straight.

By means of a removable clamp, B, the axle of two transporting-wheels, C, is attached to the beam A, and on one end of this axle a toothed wheel, E, is applied.

To the supplemental beam M' a hopper, I, is secured in a suitable manner, beneath which is a seed-dropping device, consisting, essentially, of a perforated or cellular rotary drum, R, and spur-wheels (one or two) G, receiving

motion from wheel E by means of an endless belt, F.

K designates a tube for conveying the seed to the ground; and J is an opener or drill-shovel, behind which coverers L are used.

Stilts or handles O, with suitable supports, X, are used in combination with the implement, as shown.

A turn-plow, a single-shovel plow, or by means of a clip, W, and a beam, V, a double-shovel plow can be combined with my compound beam.

It will be seen from the above description that I have a compound beam consisting, essentially, of the main bifurcated beam A, its clevis A', the rear detachable section, M', and the connecting-bolt M. To these parts I may attach stilts O or Q, transporting-wheels, a seeder, or plows, or shovels, as I may require. These latter parts, it will be observed, are interchangeable.

Having described my invention, I claim as new—

The combination of the beam-section A, bifurcated as described, the detachable beam-section M', the clamp B, its driving-wheel C, spur-wheel E, belt F, spur-wheel G, and a seeding mechanism detachable from the section M', all arranged substantially as described.

In testimony that I claim the foregoing I have hereunto affixed my signature this the 9th day of April, 1881.

JOHN L. McCALL.

Witnesses:

VIRGIL M. ROY,  
FRANK PARDON.