

J. B. BIRGE.
SEEDING-MACHINE.

No. 177,792.

Patented May 23, 1876.

Fig. 1.

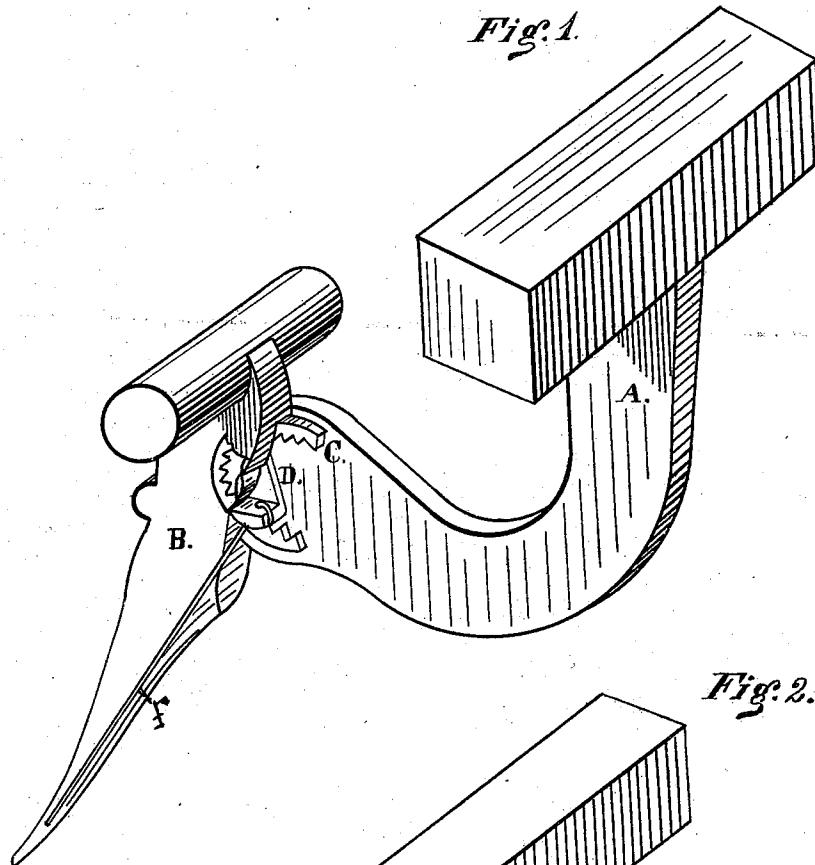
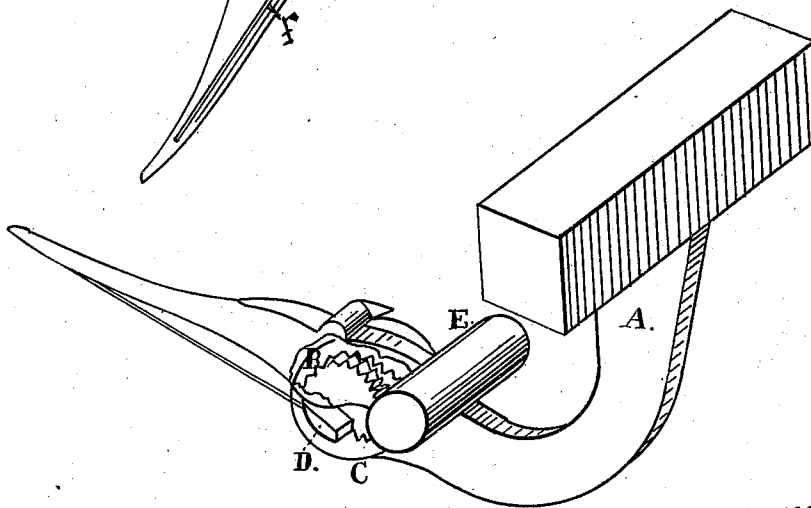


Fig. 2.



WITNESSES:

A. Rehaten berg.
H. C. Koch.

INVENTOR:

J. B. Birge
By J. B. Smith
Att. in fact.

UNITED STATES PATENT OFFICE.

JIRAH B. BIRGE, OF APPLETON, WISCONSIN, ASSIGNOR TO APPLETON MANUFACTURING COMPANY, OF SAME PLACE.

IMPROVEMENT IN SEEDING-MACHINES.

Specification forming part of Letters Patent No. **177,792**, dated May 23, 1876; application filed February 3, 1876.

To all whom it may concern:

Be it known that I, JIRAH B. BIRGE, of Appleton, in the county of Outagamie, in the State of Wisconsin, have invented certain Improvements in Seeding-Machines, of which the following is a specification:

The object of my invention is to raise and lower the teeth of a seeding-machine, and is a peculiar arrangement of an eccentric for holding the teeth up when raised. This device is placed upon the rear of a machine, and over the beams to which the teeth are attached.

Figure 1 is a view of the invention with a part of same broken away, so as to show the eccentric and the ring in which it works; and Fig. 2, a sectional view of the same.

A is a crooked arm attached to a seeding-machine; B, a lever fulcrumed on an eccentric bed on the end of arm A, which lever is operated to raise and lower the beams which hold the teeth; C, an eccentric head or ring on the end of arm A, with a raised ledge with corrugations on its inside; D, an eccentric with corrugations on it, with a groove fitting on over the ledge on eccentric head, with a pin

passing through the eccentric and the lever; E, a cross-bar, to which the beams which carry the teeth of the seeding-machine are attached by chains; F, a wire which runs from the eccentric, and when pulled upon relieves the eccentric and lets the beam fall.

This machine is operated as follows: Whenever it is desired to raise the teeth out of the ground, bear down on the end of lever B, and that will raise the beams, and the eccentric will hold the lever in any direction required; and when it is necessary to lower the teeth, take hold of wire F and pull, and that will relieve the eccentric and the teeth will fall.

I claim as new and as my invention—

1. In a seeding-machine, the lever B, eccentric head or ring C, in combination with the eccentric D, substantially as described.

2. Arm A, lever B, head or ring C, and eccentric D, in combination with wire F, substantially as described.

JIRAH B. BIRGE.

Witnesses:

JAS. A. PARKHURST,
EDWARD SAEGER.