

M. L. Utter,

Seed Dropper.

No. 92234.

Patented July 6, 1869.

Fig. 1.

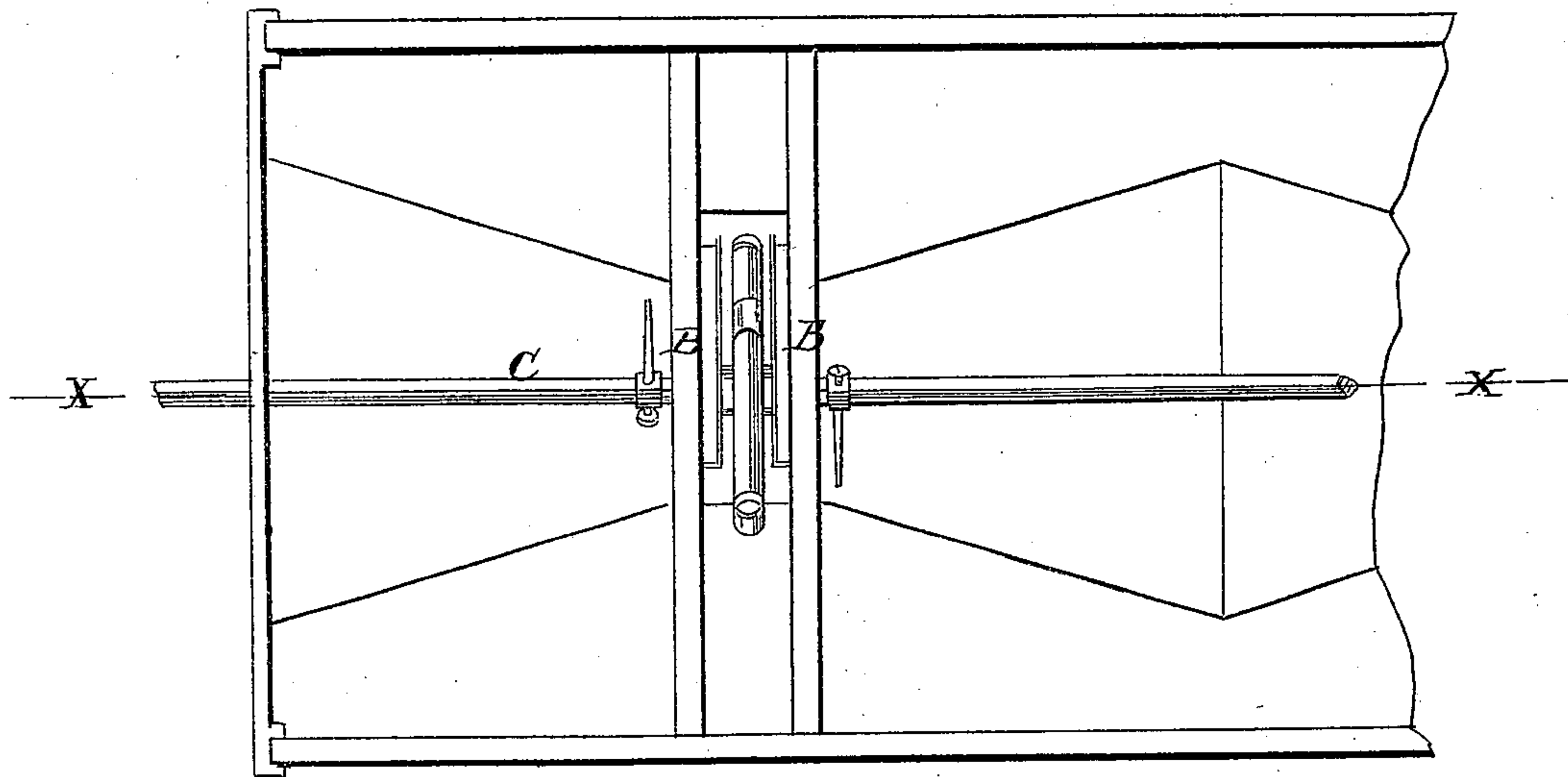
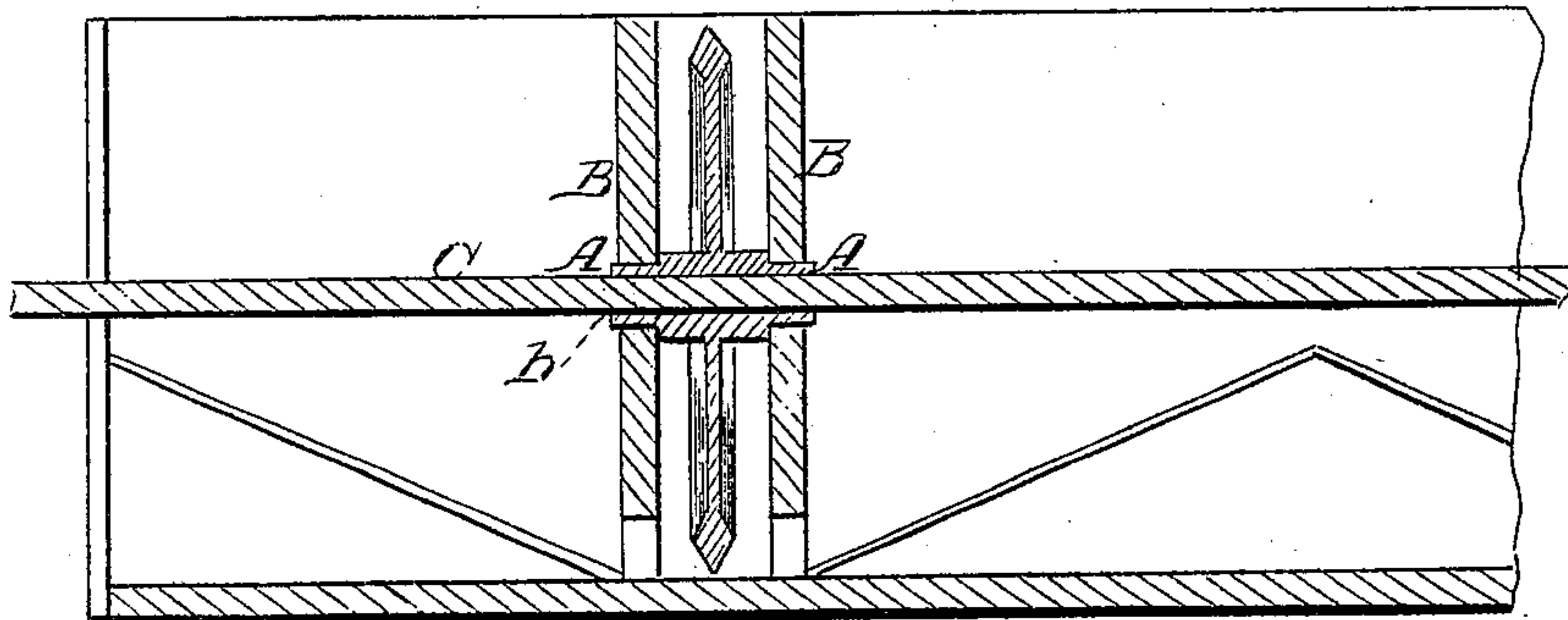


Fig. 2.



Attest.

*C. F. Brown
Fred Thomas*

Inventor.

*Morris L. Utter by
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United States Patent Office.

MORRIS L. UTTER, OF ROCKFORD, ILLINOIS.

Letters Patent No. 92,234, dated July 6, 1869.

IMPROVEMENT IN SEEDERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, MORRIS L. UTTER, of Rockford, in the county of Winnebago, and State of Illinois, have invented a new and useful Improvement in Seeders; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention relates to an improvement in the construction of the seed-sower patented by M. L. Gorham, August 6, 1861, and consists in providing the seed-wheel with hollow journals, which have their bearings in the partitions of the hopper, and are operated by means of a squared shaft.

In the drawings—

Figure 1 represents a plan view of a section of seed-box containing my invention, and

Figure 2, a section through line *x x*, fig. 1.

To enable others skilled in the art to make and use my invention, I will now proceed to describe fully its construction and operation.

In ordinary seeders, in which distributing-wheels are employed, it is usual to employ a circular revolving shaft, having bearings in the partitions of the seed-box, to which said wheels are rigidly attached.

My improvement consists in providing each wheel

with two journals, A A, which are inserted in suitable bearings in the partitions B B.

The journals A are provided with an opening, *b*, which passes through the same longitudinally, and corresponds in shape with the shaft C, which may be of square, octagonal, or other equivalent form, and which is revolved in any suitable manner.

By this construction, the shaft requires no turning or planing in order to do perfect work. The opening through the wheel requires no boring, and the wheel requires no set-screw or any other device to secure it to the shaft, it being only necessary to introduce the latter into the opening.

Having thus fully described my invention,

What I claim, and desire to secure by Letters Patent, is—

The seed-wheel, with journals A A, constructed as described, the partition B B and square shaft C, the whole being combined and arranged as described, for the purpose set forth.

This specification signed and witnessed, this 27th day of April, 1869.

MORRIS L. UTTER.

Witnesses:

G. W. FORD,
A. J. GRIFFIN.