

G. A. Titus,

Seed Dropper.

No. 92,904.

Patented July 20, 1869.

Fig. I

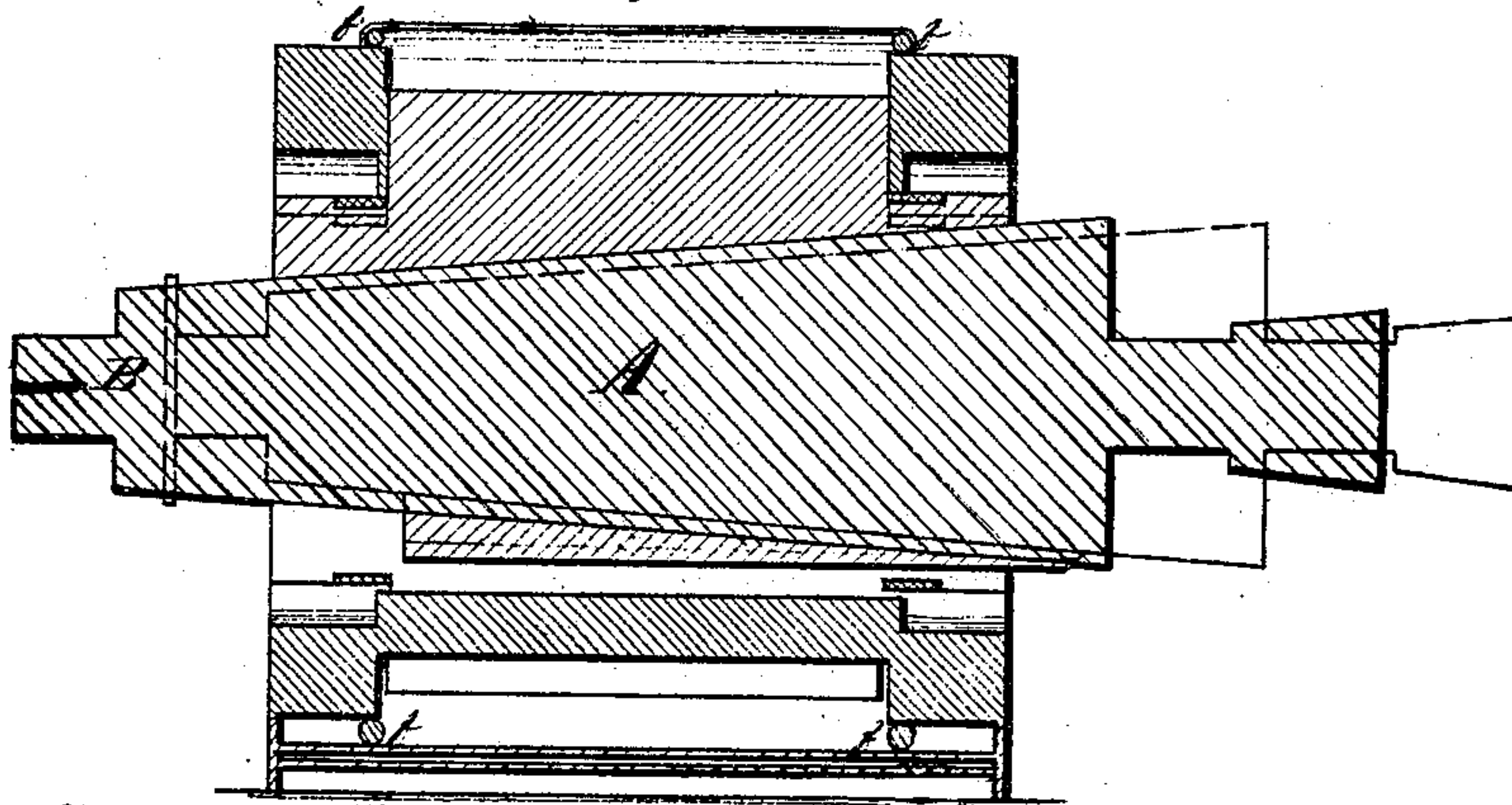


Fig. III.

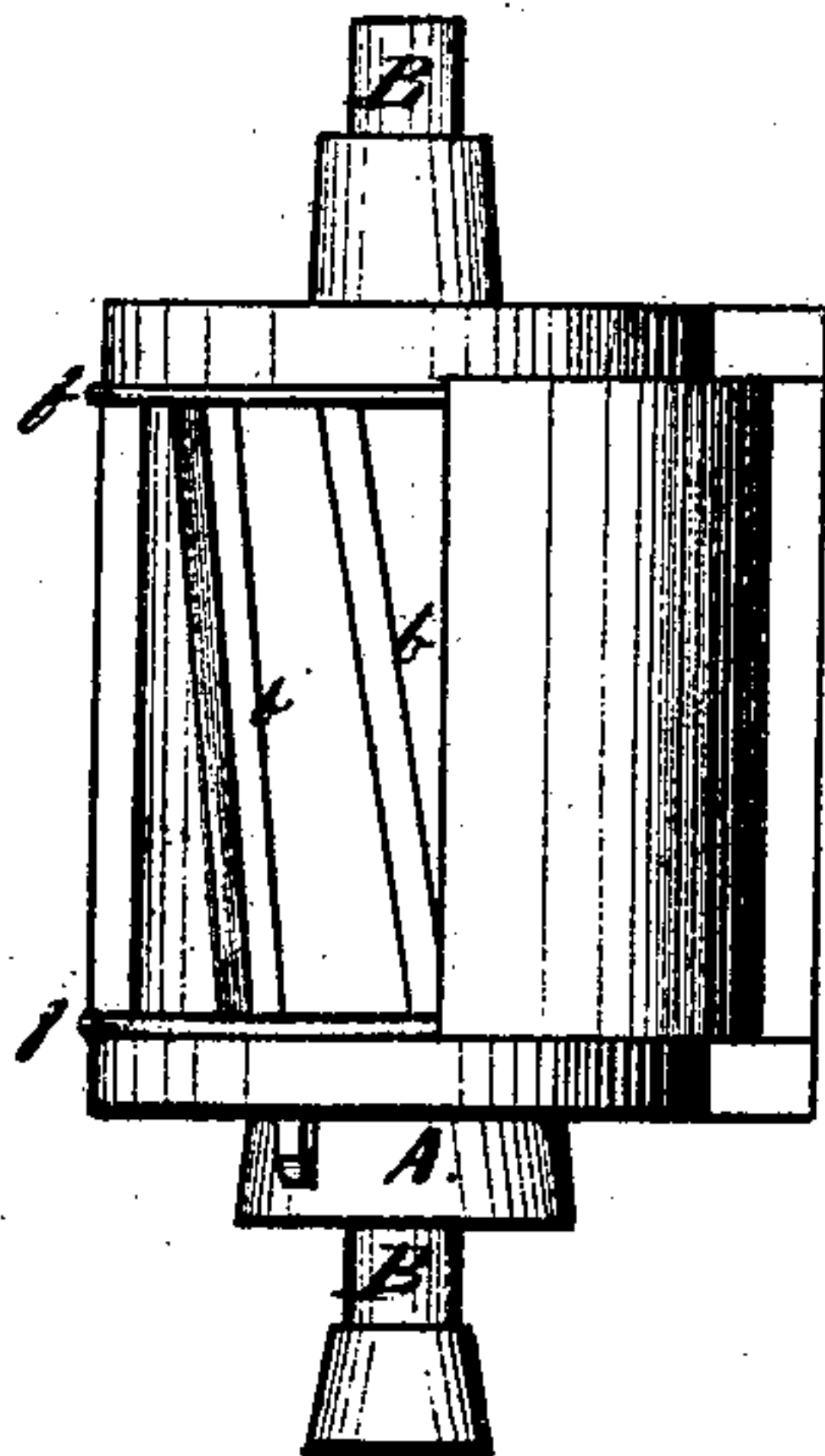
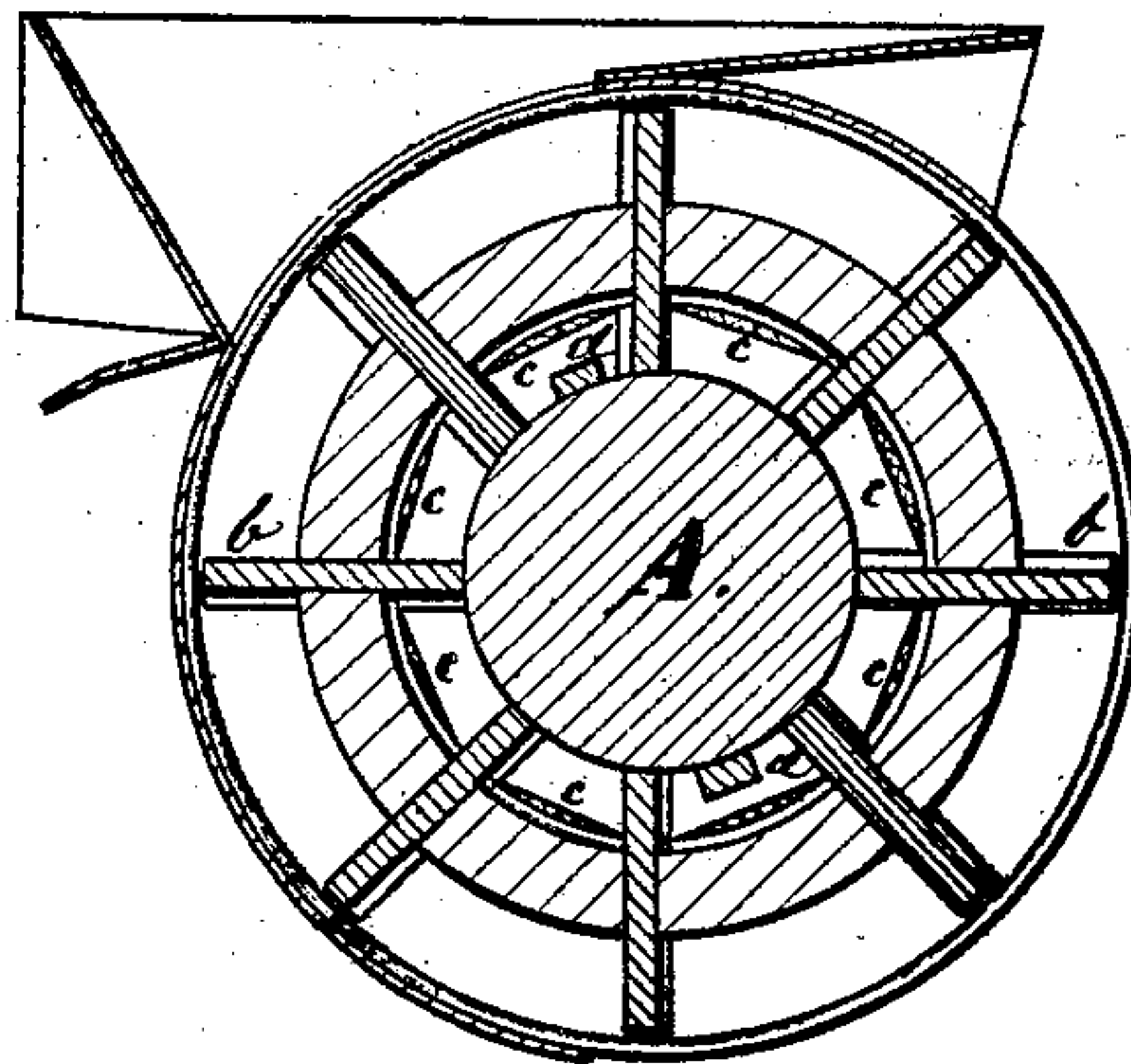


Fig. II



Witnesses
Otto Leisring
Geo. T. Allen

Inventor
Giles A. Titus
By his attorney S. H. H. H. H.

United States Patent Office.

GILES A. TITUS, OF MANTORVILLE, ASSIGNOR TO HIMSELF AND
SAMUEL B. PINNEY, OF ST. CLOUD, MINNESOTA.

Letters Patent No. 92,904, dated July 20, 1869.

IMPROVEMENT IN DISTRIBUTERS FOR SOWING AND DRILLING GRAIN.

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, GILES A. TITUS, of the town of Mantorville, in the county of Dodge, and State of Minnesota, have invented new and useful Improvements in Distributers for Sowing and Drilling Grain; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, and to the letters and figures of reference marked thereon, in which—

Figure 1 shows a longitudinal vertical section.

Figure 2, the end view of the distributer, when it is ready for use.

Figure 3, the cylinder of the distributer, having slots cut angular for the slides *b* to pass through, and a collar, *f*, on each end of said cylinder, and also having a groove cut in the inside ends thereof, to receive a rubber ring, *c*, which said ring is held in its place by notches in the ends of the slides or buckets, cone *a* having a flange, *d*, therein, for the purpose of revolving said cylinder; a rod, *B*, passes through said cone *a*, to which said cone is rigidly attached.

The operation is as follows: By extending said cone *a* through the cylinder, the slides or buckets *b* are made to extend outward from the centre thereof, and when revolving, carry the grain to the place of the delivery, and by withdrawing said cone *a*, the contrac-

tion of the rubber rings *c* brings the slides or buckets *b* inward toward the centre of said cylinder, and by thus withdrawing said cone *a*, as aforesaid, the quantity of grain distributed, per acre, can be regulated, or the distribution thereof entirely stopped, at the pleasure of the operator.

Having thus described my invention, and its construction and operation,

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

1. The cylinder, with slots, and the slides or buckets *b*, contracting and extending to and from the centre of said cylinder.

2. The cone *a*, for the purpose of extending the said slides or buckets *b*.

3. The rubber rings *c*, for the purpose of contracting and the withdrawing of said slides or buckets *b* toward the centre of said cylinder, and whenever applied to drills or broadcast seeders, using for that purpose, the aforesaid cylinder, slides, or buckets, rubber ring and cone, or any other substantially the same, which will produce the intended effect.

GILES A. TITUS.

Witnesses:

OTTO LEISSRING,
WM. H. BATES.