

A. J. DIBBLE.

Flour Bolt.

No. 99,861.

Patented Feb. 15, 1870.

Fig. 1.

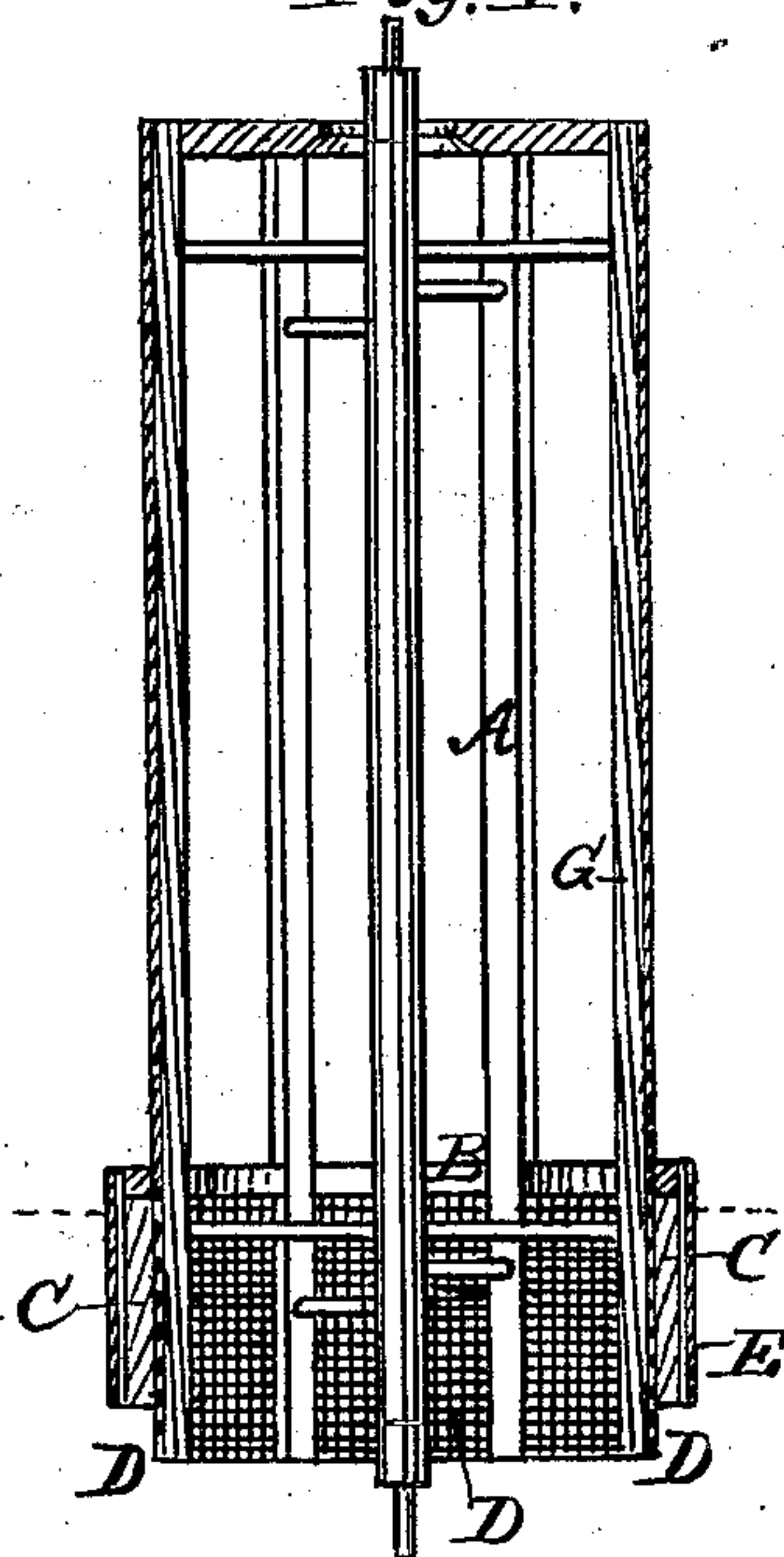
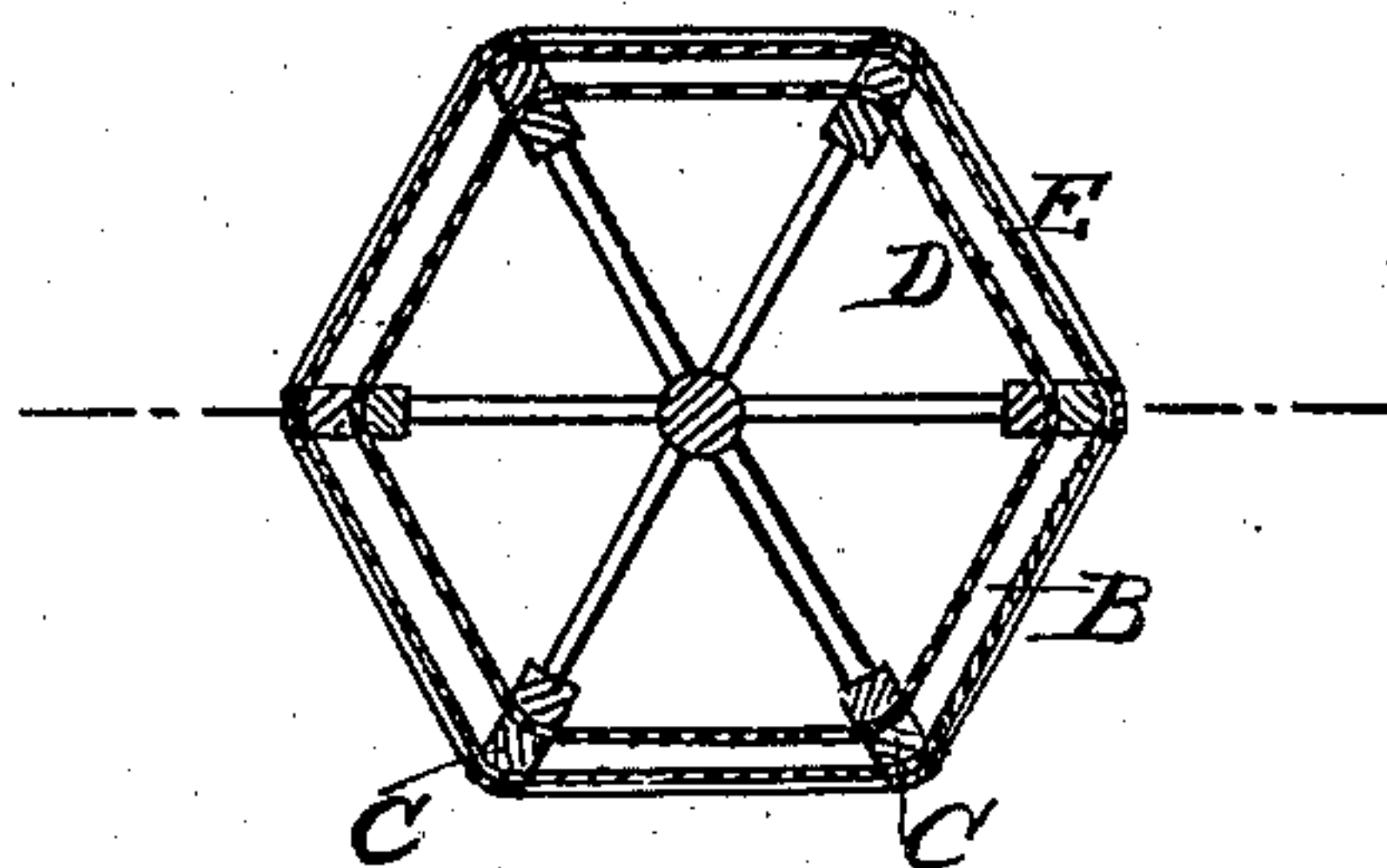


Fig. 2.



Witnesses:
John Brooks
Edgar Tate

Inventor:
A. J. Dibble
Per *Wm. M. Co.*
Attorneys.

United States Patent Office.

A. J. DIBBLE, OF FRANKLIN, NEW YORK.

Letters Patent No. 99,861, dated February 15, 1870.

IMPROVEMENT IN FLOUR-BOLTS.

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, A. J. DIBBLE, of Franklin, in the county of Delaware and State of New York, have invented a new and improved Flour-Bolt; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification.

This invention relates to improvements in flour-bolts for custom use, which are required to be used for different kinds of grain, and consists in the substitution of coarse wire-cloth at the tail end for the silk commonly used thereat for separating the tailings from the bran, and in addition thereto over the said wire-cloth and on an enlarged portion of the reel, of coarse silk cloth, such as commonly used in the place where I place the wire, so as to provide a space between it and the wire, and designed for the reception of the coarse bran or feed which will thus be separated from the hulls of buckwheat when grinding this grain, and be delivered into a receptacle over which the hulls are eluted and discharged to another receptacle, the object of which is to provide a bolt by which I may obtain this feed separate from the hulls, which are injurious to animals, and which will, at the same time, be suitable for bolting the meal of other grain.

Figure 1 is a longitudinal section of a bolt constructed according to my improvement, and

Figure 2 is a transverse section of the same.

Similar letters of reference indicate corresponding parts.

The reel A is constructed in the ordinary way, with

the rim B and short ribs C added, and coarse wire-cloth D is placed on the tail end where the middlings-cloth E is commonly placed, and the latter is placed on the ribs C and rim B, but does not extend quite so far along the tail as the wire does. By this arrangement, in the case of all grains except buckwheat, the tailings passing out at the ends of both the wire-cloth and the cloth E, into one common receptacle, will be the same as when passed through a bolt of ordinary construction, and the middlings passing through the cloth E will be the same; and in the case of buckwheat meal, by conveying the deliveries from each to separate receptacles, I am enabled to utilize the coarse feed passing out at the end of the cloth E, which is now commonly delivered with the hulls, which are injurious to animals.

I am aware that the same separation has been effected by lengthening the reel and placing the cloth E between the wire-cloth placed at the end and the other flouring-cloth, G, but by my arrangement the lengthening of the reel is avoided.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The arrangement of the coarse hulling wire-cloth D, on the reel next the flouring-cloth G, and the middlings-cloth E, over the wire-cloth on an enlargement of the reel, and so as to deliver into a separate receptacle, all substantially as specified.

A. J. DIBBLE.

Witnesses:

C. D. THOMPSON,
E. R. BUCHER.