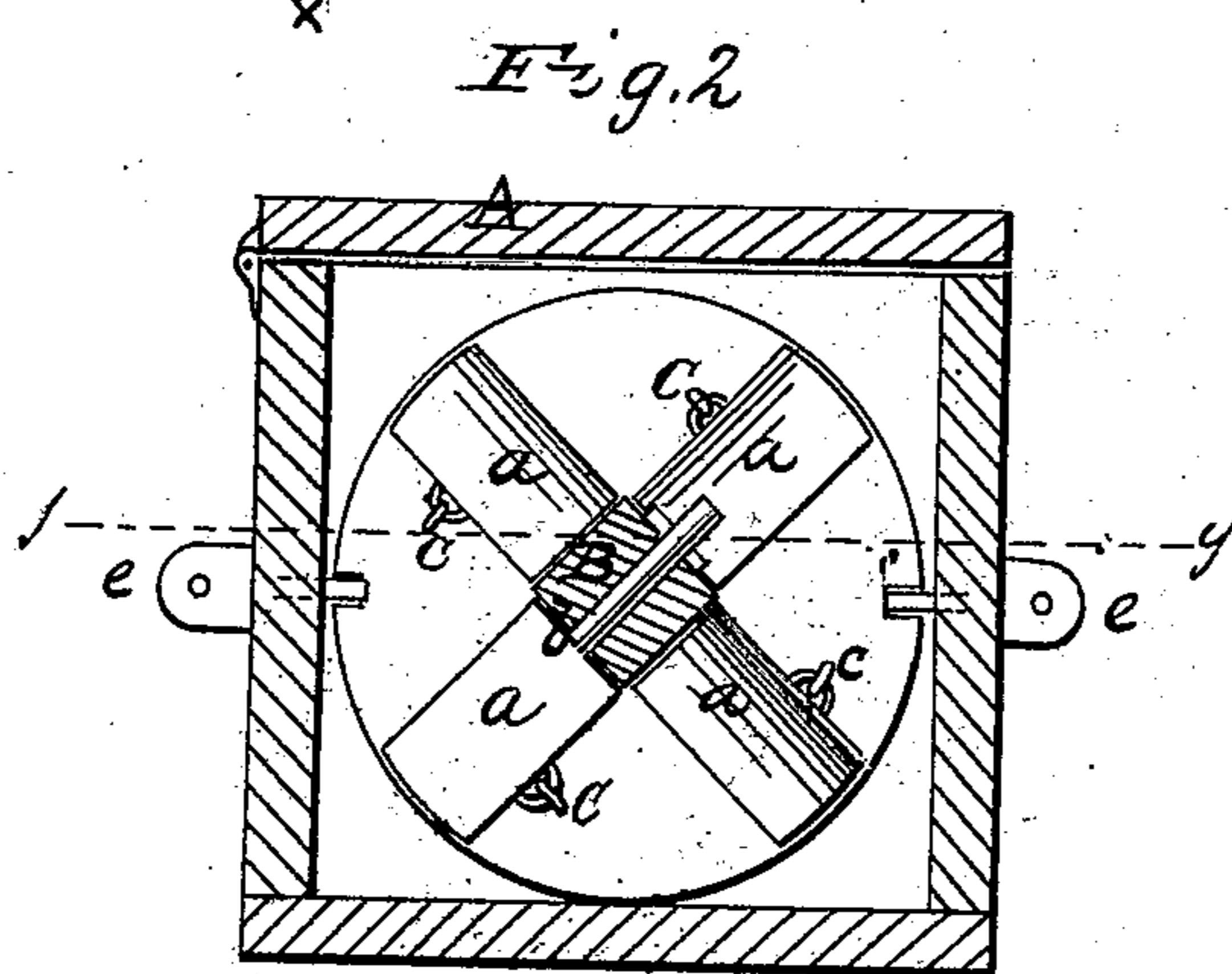
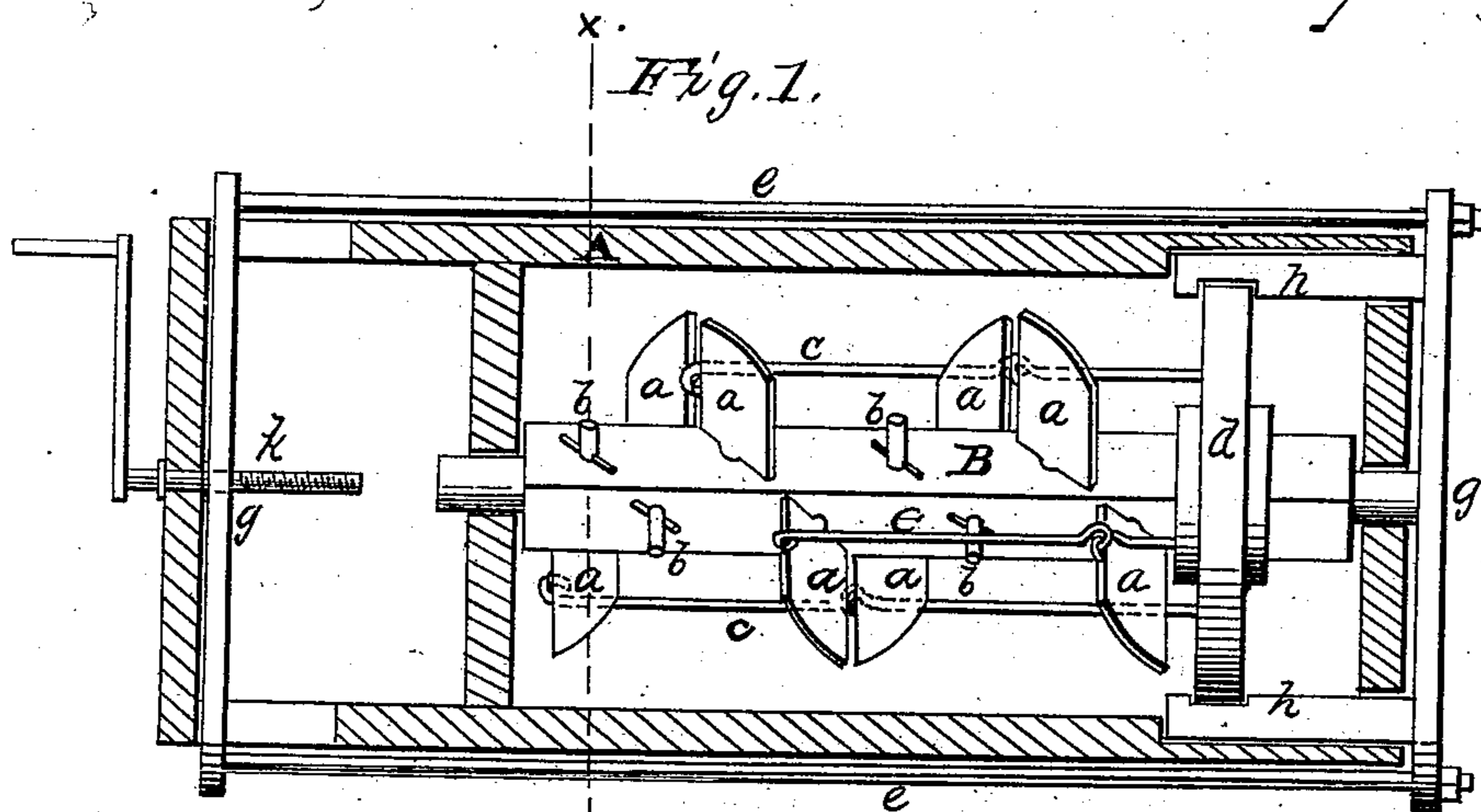


J. M. Rush,

Grain Conveyer.

N^o 76,529.

Patented Apr. 7, 1868.



Witnesses
Theo. Inseke
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United States Patent Office.

J. M. RUSH, OF MARENGO, IOWA.

Letters Patent No. 76,529, dated April 7, 1868.

IMPROVEMENT IN GRAIN-CONVEYERS.

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, J. M. RUSH, of Marengo, in the county of Iowa, and State of Iowa, have invented a new and useful Improvement in Conveyer for Grain, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a longitudinal section of my improved grain-conveyer, taken in the line *y y*, fig. 2.

Figure 2 is a cross-section, taken in the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to an improvement in the construction of a conveyer for feeding grain into a set of millstones, or an elevator, or for other similar purposes, and consists in so arranging the flights or conveyers that their angles may be changed on the shaft, or the pitch adjusted to regulate the feed more or less, as required.

In the box A is hung a square shaft, B, on the four sides of which is arranged a series of sections of a screw or spiral flights, *a a*, which are set upon pins *b b*, that pass loosely through the shaft B, and are keyed on it. The flights *a a* on each side of the shaft B are connected by a rod, *c*, and the rods *c* on all the sides of the shaft are connected with a sliding disk, *d*, set on the shaft, by the movement of which back and forth the angles of the flights *a a* may be changed to any desired pitch to give more or less feed of grain or meal.

For moving the disk *d* on the shaft B, and adjusting the pitch of the flights *a a*, a sliding frame, formed of side-rods *e e* and heads *g g*, is connected with the disk at one end by arms *h h*, which catch the periphery to push the disk back and forth on the shaft, while at the same time it is free to turn with the shaft. The sliding frame is held in position by a set-screw, *k*, which works in one of the heads *h* opposite disk *d*.

The operation of this device is obvious.

Having described my invention, I claim as new, and desire to secure by Letters Patent—

The sliding frame, combined with disk *d* and the flights *a a* on the shaft B, arranged and operating substantially as and for the purpose herein described.

J. M. RUSH.

Witnesses:

EDMUND HOPKINS,
F. B. BANKS.