

J. DEAN.  
Flour-Mills.

No. 139,553.

Patented June 3, 1873.

Fig. 1.

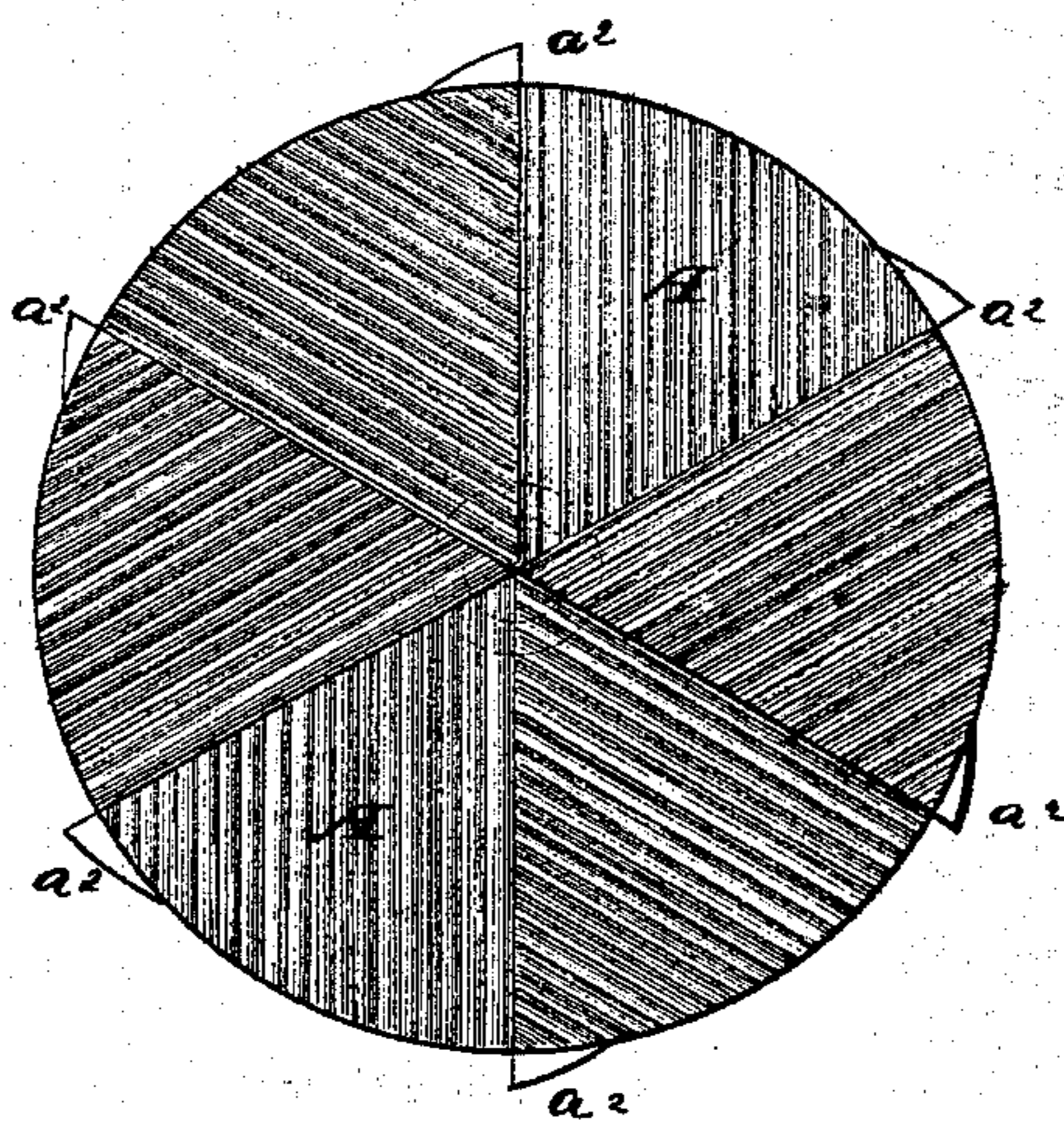
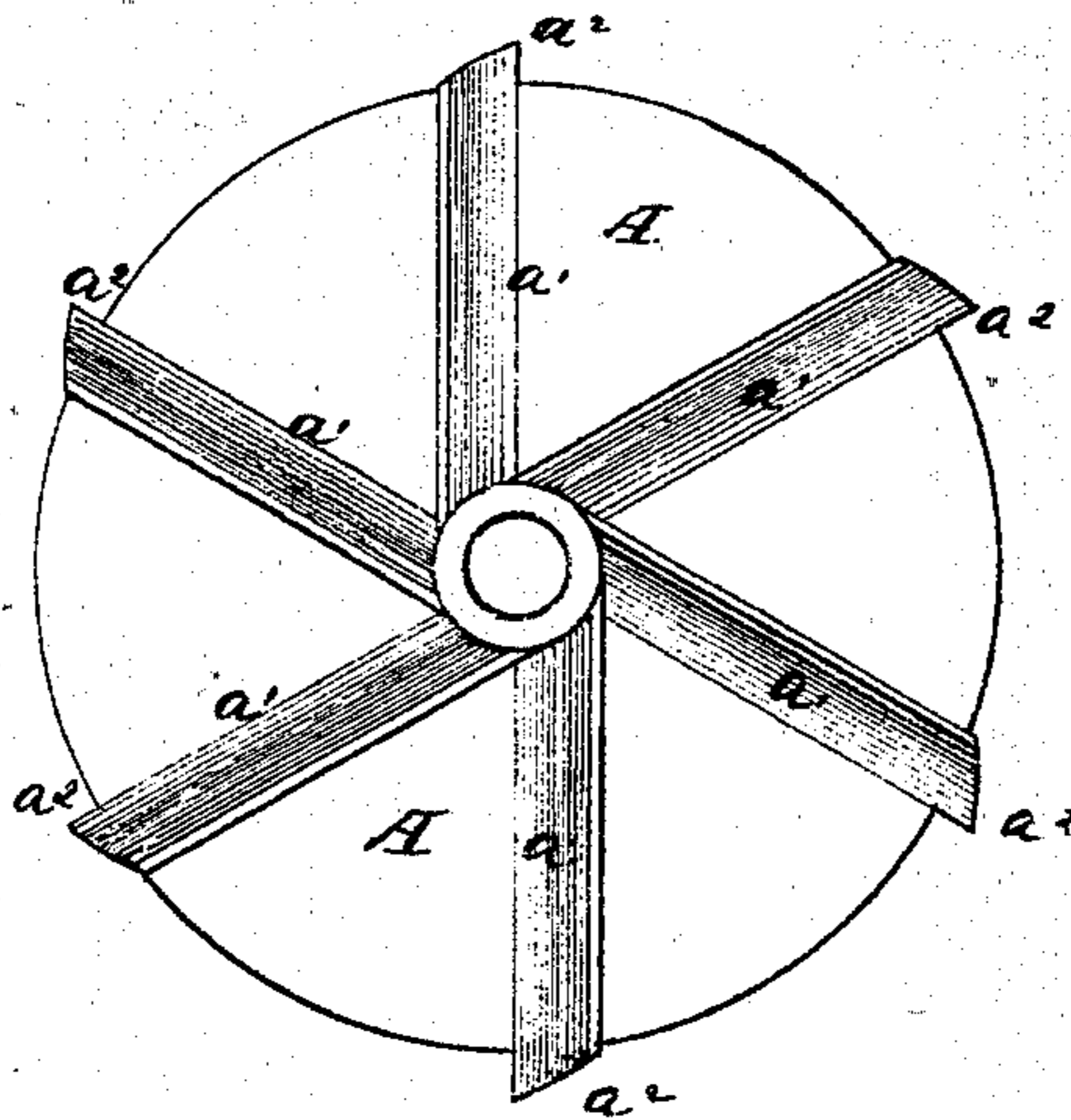


Fig. 2.



Witnesses:

*P. C. Dietrich.*  
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Inventor:

*J. Dean*

PER

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# UNITED STATES PATENT OFFICE.

JEREMIAH DEAN, OF NEW BALTIMORE, NEW YORK.

## IMPROVEMENT IN FLOUR-MILLS.

Specification forming part of Letters Patent No. **139,553**, dated June 3, 1873; application filed February 1, 1873.

*To all whom it may concern:*

Be it known that I, JEREMIAH DEAN, of New Baltimore, in the county of Greene and State of New York, have invented a new and useful Improvement in Buckwheat-Mill, of which the following is a specification:

Figure 1 is a face view of the lower grinding plate or runner. Fig. 2 is an under-side view of the same.

Similar letters of reference indicate corresponding parts.

My invention is an improvement in the class of mills whose runner is provided with scrapers or plates so attached to it as to remove the meal from an annular trough, into which it falls after escaping from between the stones. The improvement consists in a series of straight ribs applied to the under side of the runner so as to be tangential to the shaft, around which their inner ends center, while their outer ones extend beyond its periphery, and are beveled, whereby said ribs will operate to force the meal outward from the center of the stone, and also carry it around to the discharge-orifice of the casing, as hereinafter described.

A represents the lower grinding plate or run-

ner, the face of which is corrugated, roughened, or dressed in the ordinary manner. Upon the under side of the runner A are formed or to it are attached straight ribs  $a^1$ . The ribs are tangential to the shaft, as shown, but abut it at their inner ends, while their outer ends  $a^2$  project beyond the edge of the runner, and are beveled, as shown. These ends  $a^2$  are designed to push the flour from between the bottom and edge of the runner and the bottom and sides of the curb out through the discharge-opening, to prevent the flour from lodging and packing in said spaces, and thus clogging said runner.

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

The straight ribs  $a^1$  attached to the under side of the runner A so as to be tangential to the shaft against which their inner ends abut, and having their outer ends  $a^2$  extended beyond the edge of the shaft, and beveled, as shown and described.

JEREMIAH DEAN.

Witnesses:

WM. TUTTLE,  
H. V. HULL.