

S. KEIM.
Mill-Stone Dresses.

No. 152,645.

Patented June 30, 1874.

Fig. 1.

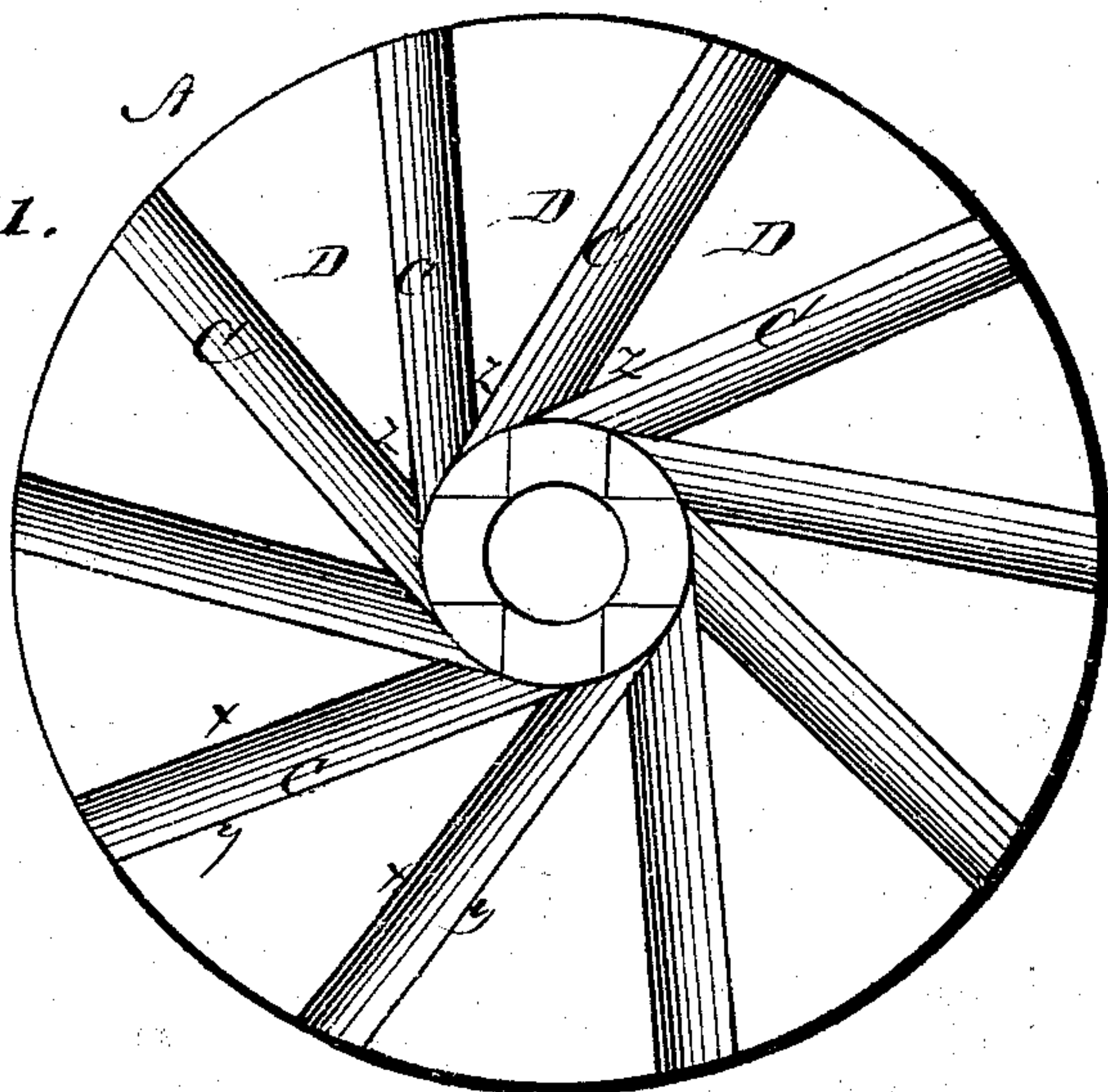


Fig. 2.

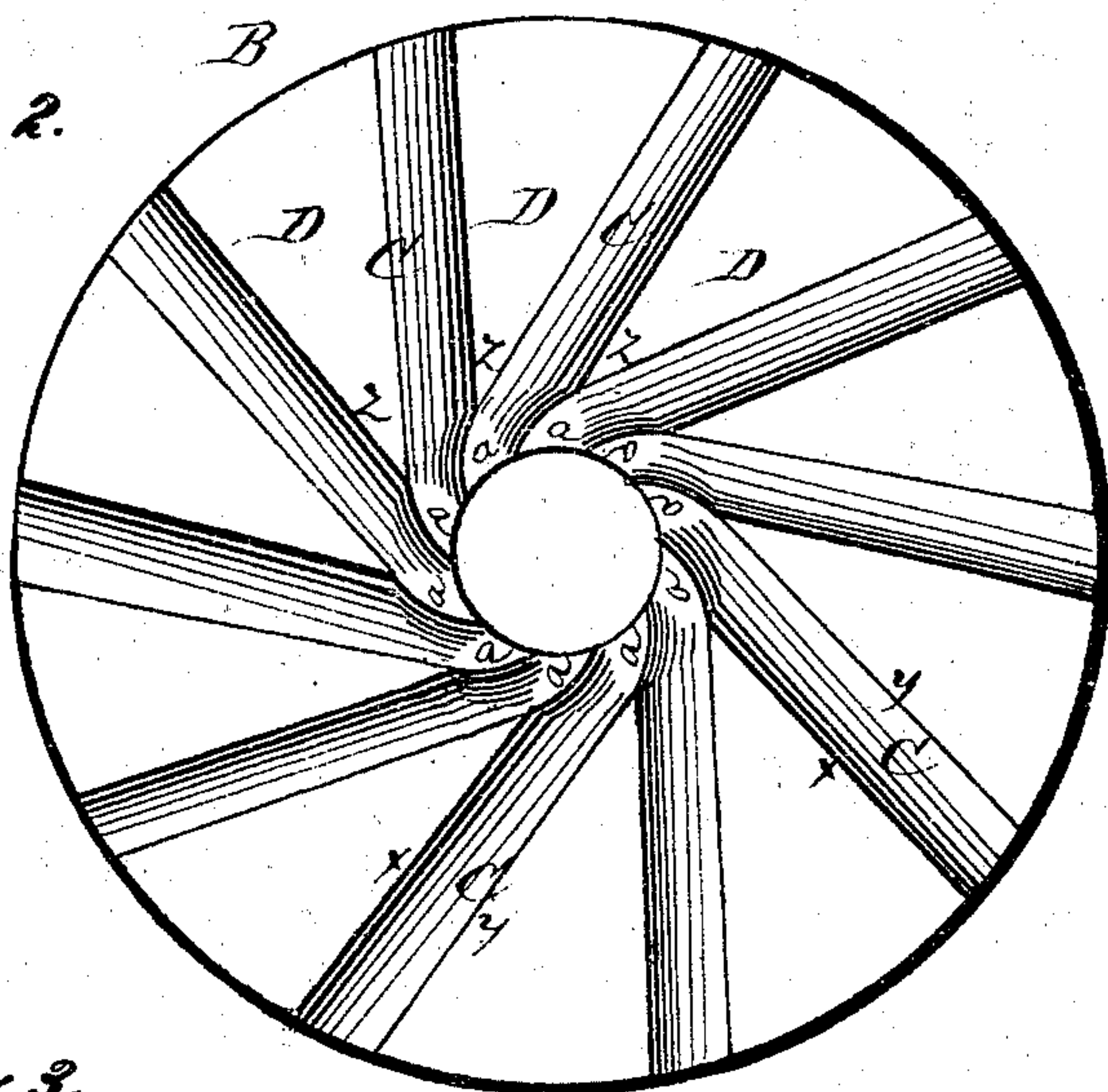
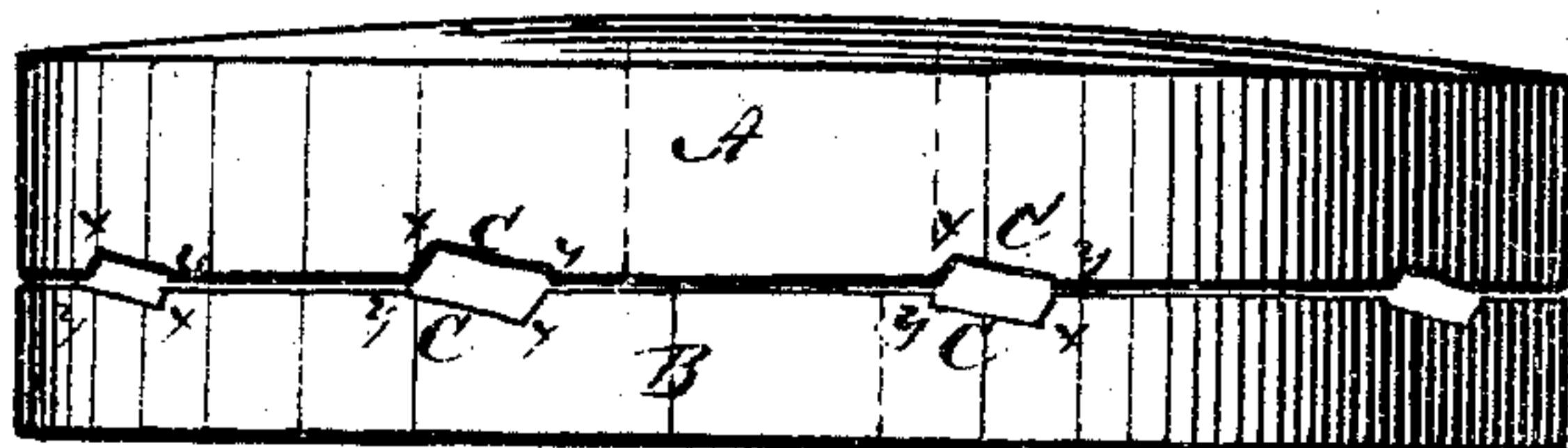


Fig. 3.



WITNESSES:

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SAMUEL KEIM, OF ALTOONA, PENNSYLVANIA.

IMPROVEMENT IN MILLSTONE-DRESSES.

Specification forming part of Letters Patent No. **152,645**, dated June 30, 1874; application filed May 13, 1874.

To all whom it may concern:

Be it known that I, SAMUEL KEIM, of Altoona, in the county of Blair and State of Pennsylvania, have invented certain new and useful Improvements in Dress for Mill-Burrs; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

The nature of my invention consists in an improved dress for millstones, as will be hereinafter more fully set forth.

In the accompanying drawing, Figure 1 is a view of the top stone. Fig. 2 is a view of the bottom stone; and Fig. 3 is a side view of the two stones in position, one on top of the other.

A represents the top stone, and B the bottom stone. Both of these stones are provided upon their grinding-surfaces with ten furrows, C C, at equal distances apart. These furrows are from three to four inches wide, according to the size of the stone, and are three-fourths of an inch deep on the back, and taper to a feather-edge, as shown at *x y*. The lands D D, between the furrows, all run to a point at or toward the eye of the stone, as shown in the drawing. On the top stone A the furrows C C terminate in tangential lines with the eye of the stone, but on the bottom stone

the inner ends of the furrows terminate in curves *a a*, or half-circles.

In grinding with the usual dress there is always a quantity of middlings made, and this is invariably made at the eye of the stone. In my dress there is no chance for wheat to lie on the point of the lands to make any middlings, the half-circles or curves *a a* causing the grain to be thrown out onto the surface or lands of the stone.

There is in my millstone-dress two and a half inches draft at the center of the stone, and ten inches on the skirt.

The stones may be dressed quicker, and will do more and better work than with the ordinary dress.

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

The millstone-dress herein described, having the lands D D all running to a point toward the eye, and the grooves C C, terminating in semicircles *a a*, all substantially as and for the purpose herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

SAMUEL KEIM.

Witnesses:

F. E. IRWIN,

A. P. MACDONALD.