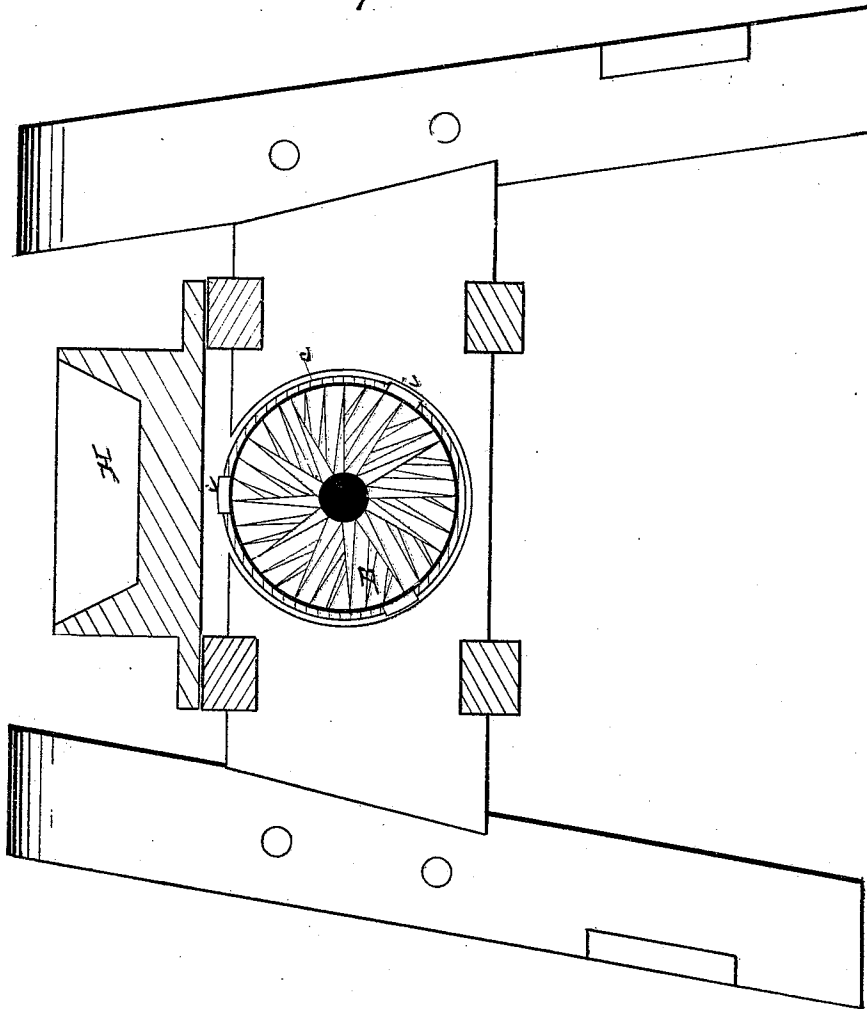


D. GARTMAN.
CHOPPING-MILL.

No. 180,472.

Patented Aug. 1, 1876.

Fig. 1



WITNESSES—

David G. Weems.
L. K. Evans

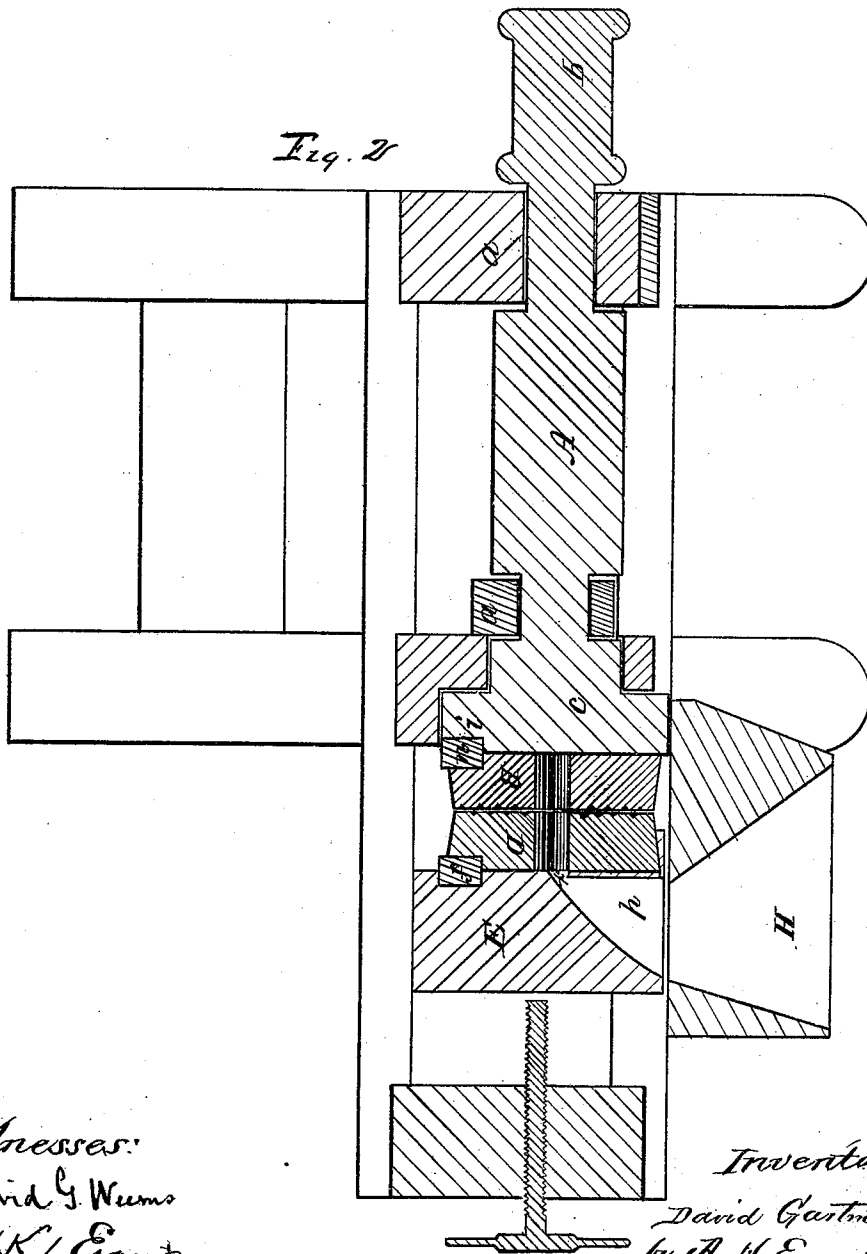
INVENTOR—

David Gartman
by his atty.
A. H. Evans & Co

D. GARTMAN.
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Witnesses:
David G. Wears
R. K. Evans

Inventor:
David Gartman
by A. H. Evans & Co.
Attys

UNITED STATES PATENT OFFICE.

DAVID GARTMAN, OF YORK, ASSIGNOR OF ONE-HALF HIS RIGHT TO ADAM TROUT, OF SPRINGFIELD TOWNSHIP, PENNSYLVANIA.

IMPROVEMENT IN CHOPPING-MILLS.

Specification forming part of Letters Patent No. 180,472, dated August 1, 1876; application filed June 19, 1876.

To all whom it may concern:

Be it known that I, DAVID GARTMAN, of York, in the county of York and State of Pennsylvania, have invented a new and Improved Chopping-Mill; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a vertical cross-sectional view. Fig. 2 is a longitudinal vertical section.

The object of my invention is to provide a mill which will grind feed for animals, or grind flour; and it consists of one stationary metal burr, made adjustable, in combination with a rotary metal burr driven by a shaft attached thereto directly, as hereinafter more fully described and claimed.

In order that those skilled in the art may make and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A is a shaft, supported in journals *a a* on a proper frame-work, and having at one end a driving-pulley, *b*, and on the other end a circular head, *c*. The head *c* has three radial depressions, *i i*, in its face contiguous to its periphery. These depressions are for the reception of three projections, *n n*, on the rear of a burr, B, which is rotated

by the head *c*. The face of the burr B bears against the face of another burr, D, which has no rotary motion imparted to it, but is set into a heavy cross-beam, E, which slides in ways *f f*, and is controlled by a set-screw, *e*, so that the burr D has a horizontal adjustment to and from the burr B, so as to adjust and control the character of the grinding. A hopper, H, and recess *p* in the beam E leads the material to be ground to the opening *x* in the center of the stationary burr D, when it is ground toward the center. I find this a very cheap and substantial mill to grind food for animals, or flour or meal, the adjustability of the burr D allowing the necessary changes.

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

In a chopping-mill, the adjustable beam E, provided with the recess *p*, and the stationary burr D, provided with the central opening *x*, in combination with the burr B, provided with the projections *n*, and the head *c*, having the radial depressions *i i*, all constructed to operate substantially as and for the purpose set forth.

DAVID GARTMAN.

Witnesses:

R. K. EVANS,
D. G. DEEMS.