

E. & D. MOORE.
GRINDING-MILL.

No. 180,257.

Patented July 25, 1876.

Fig. 1.

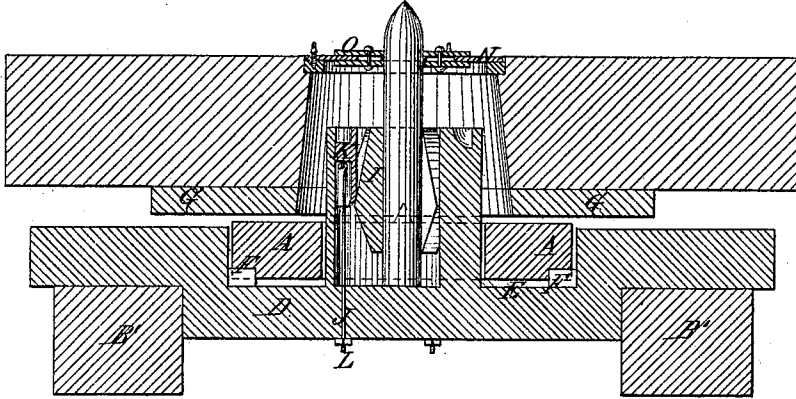
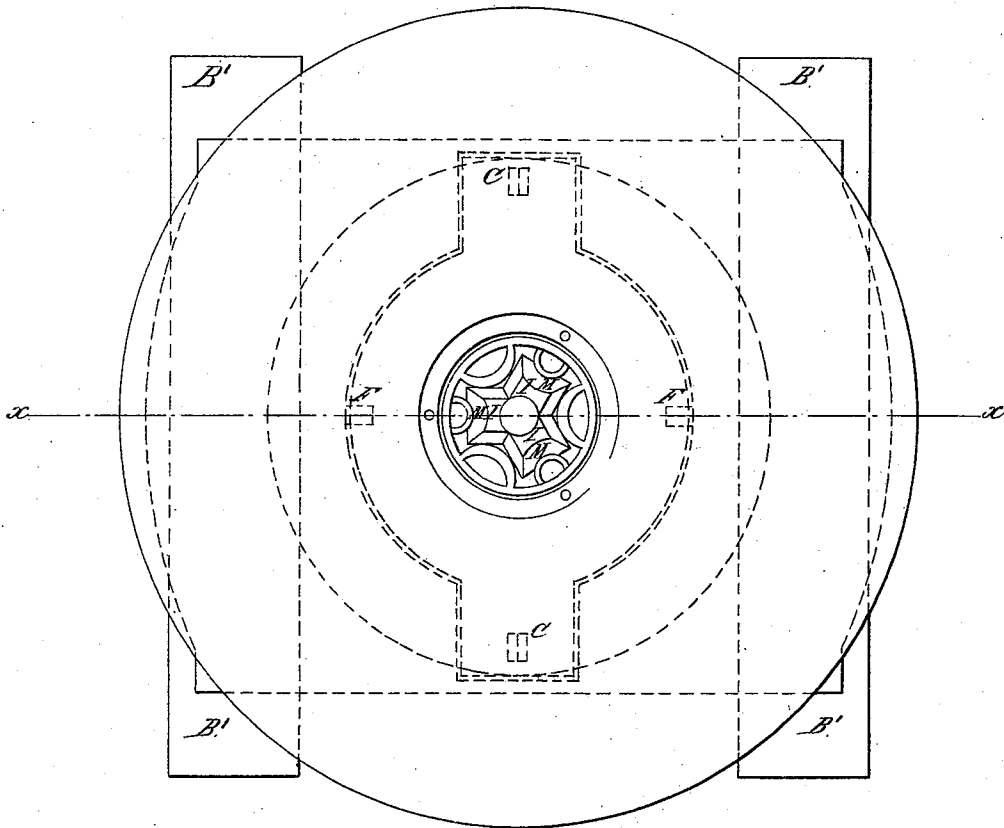


Fig. 2.



WITNESSES:

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ENOCH MOORE AND DAVID MOORE, OF MOOREVILLE, IOWA.

IMPROVEMENT IN GRINDING-MILLS.

Specification forming part of Letters Patent No. 180,257, dated July 25, 1876; application filed April 10, 1876.

To all whom it may concern:

Be it known that we, ENOCH MOORE and DAVID MOORE, of Mooreville, in the county of Tama and State of Iowa, have invented a new and useful Improvement in Grinding-Mills, of which the following is a specification:

The invention relates to certain improvements in rocking bed-stones; and it consists in the devices for supporting the same, which will be hereinafter more fully described, and then pointed out in the claim.

Figure 1 is a sectional elevation of our improved mill, taken on the line *x x* of Fig. 1; and Fig. 2 is a plan view.

Similar letters of reference indicate corresponding parts.

Commonly the plate A is arranged with its greatest diameter crosswise between the beams B, with its ends fitted in seats which have to be cut out for them, and on pivots C, fixed in them, instead of which we propose to provide a supporting-plate, D, with a recess, E, on which we locate this plate A, with its greatest diameter the other way, and resting on the pivots F in the bottom of the recess, while the stone G or the plate H on the under side of it rests on the pivots C, by which arrangement we have sufficient space between the beams without cutting and weakening them. For

tightening the boxes I of the bush without taking up the stone, we propose to have rods J extending down from the wedges K through the plate D, to be tightened by nuts L. We propose to make the boxes I concave on the back, as at M, with corresponding form to the wedges, in order that the wedges cannot interfere with the bearing of the boxes far on the spindle.

To pack the spindle tightly above the bush we have the fixed metal plate N, with a large center opening, over which the flexible disks O, closely fitting the spindle, are fitted, and which vibrate or shift with the spindle in case it changes position without opening any space, as rigid packing would.

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

The combination of the stationary and recessed supporting-plate D, having pivots F, with the cross-beams B', the rocking plate A, and the rocking bed-stone, as and for the purpose set forth.

ENOCH MOORE.
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Witnesses:

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