J. M. WESTMORELAND.

Grinding Mill.

No. 109,361. Patented Nov. 15, 1870.

Fig. 1

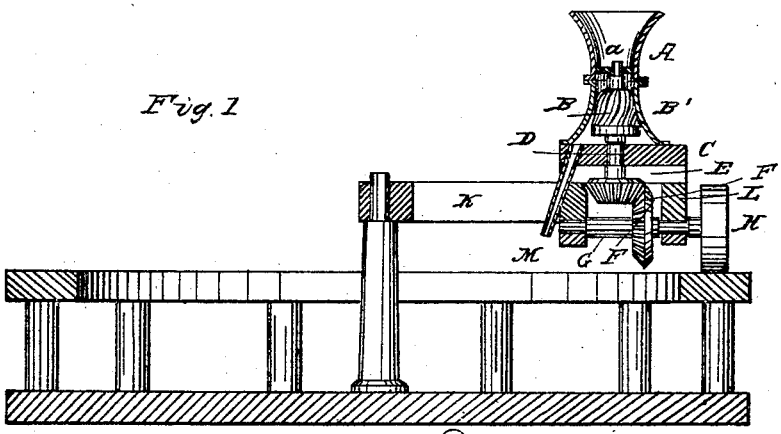
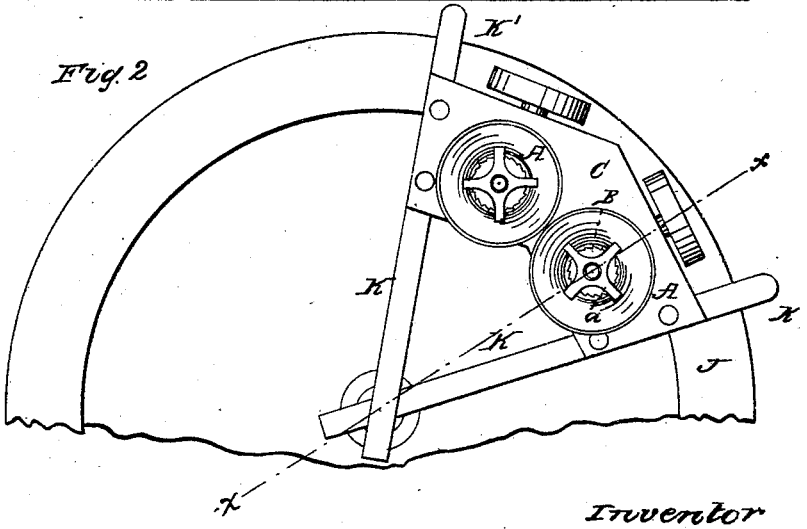


Fig. 2



Witnesses

H. G. Smith

A. M. Tanner

Inventor

J. M. Westmoreland

by Munn & Co

UNITED STATES PATENT OFFICE.

JOSEPH M. WESTMORELAND, OF DANVILLE, TEXAS.

IMPROVEMENT IN GRINDING-MILLS.

Specification forming part of Letters Patent No. **109,361**, dated November 15, 1870.

To all whom it may concern:

Be it known that I, JOSEPH M. WESTMORELAND, of Danville, in the county of Montgomery and State of Texas, have invented a new and Improved Grinding-Mill; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification.

My invention relates to grinding-mills; and has for its object to construct a mill which can be conveniently worked by horse-power, and thus enable the farmer to grind his own feed and meal without loss of time, and whenever his help and horses may have leisure.

I will first describe my improvements in connection with all that is necessary to a full understanding thereof, and then clearly point out the novel feature in the claims.

Figure 1 is a sectional, and Fig. 2 a plan, view of a mill with my improvements.

A is the hopper, provided with a plate, *a*, centrally perforated and apertured on the edges to admit the grain. B is the rotary grinder, and B′ the serrated shell against which it works. C is the base-plate, to which the flanged edges of B′ are attached. This plate is perforated to form a bearing for the swiveled shaft D. This vertical shaft carries the grinder B, and is carried by the bevel-spur E. F is another bevel-spur wheel, carried by the shaft G. H is a wheel, which travels upon a circular track, I. K K are radial bars, fastened and pivoted together at the center, and attached to the frame L.

A prolongation, K′, serves as a point of draft for one or a pair of horses, or other power.

The frame may be enlarged and the number of mills may be increased, according to the number of horses used or the degree of other power employed.

Around the center of motion is located any circular vessel to receive the meal as it is ground and falls from the channel M.

The mode of operation is as follows: The grain to be ground for chop or other purposes is placed in the hopper or hoppers A, and is fed to the grinders automatically by the motion of the mill as the power applied at the lever end K′ carries it around.

Passing down through the channel M it is conveyed into the receptacle prepared for it. As one grist is completed, the team is stopped to rest and another poured into the hopper.

Having thus described all that is necessary to a full understanding of all that relates to my invention, what I esteem to be new, and desire to protect by Letters Patent, is—

1. The circular track J and traveling frame K L C, combined with wheel H, shaft G, and bevel-gear E F, to work the grinders in the manner described.

2. The vertical rotating grinder B and serrated shell B′, combined with a hopper, A, having horizontal plate *a* therein, apertured on the edges, to allow the shaking motion of the traveling mill to feed the grain automatically, as described.

J. M. WESTMORELAND.

Witnesses:
DANIEL MCGILL,
R. L. WOOD.