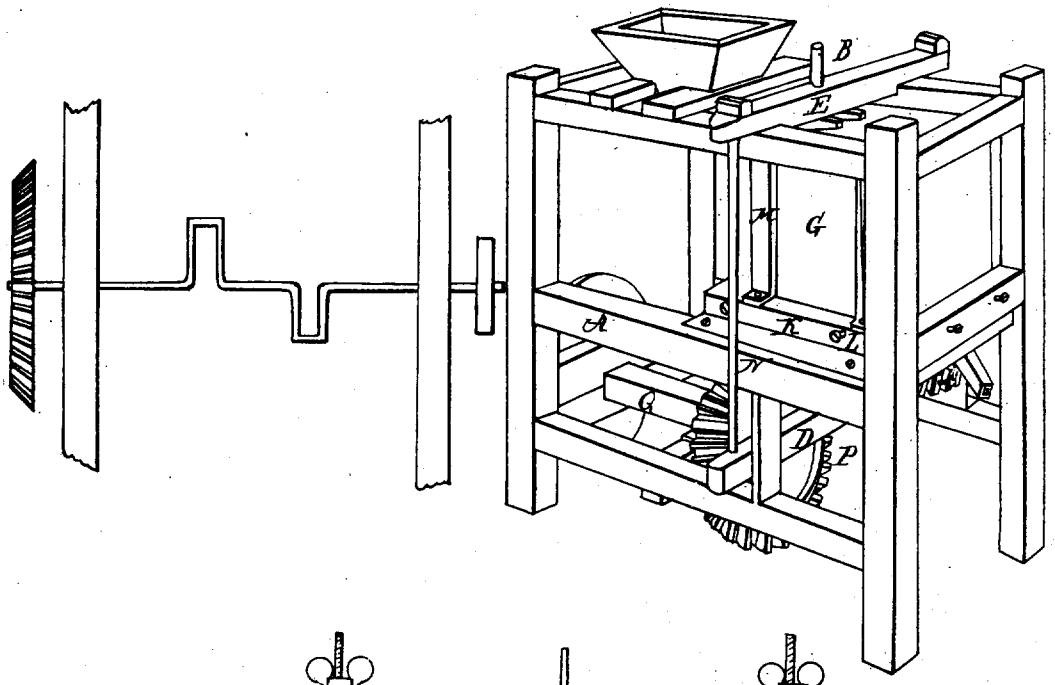
The specification in this patent is not in print.

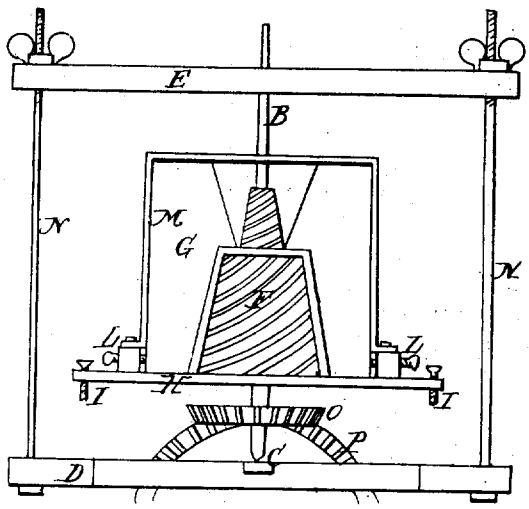
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PATENTED JULY 1, 1836.

O. WYMAN.

GRINDING MILL.





THE SCHRIS PETERS CO. PHOTO-LITHO. WASHINGTON D. C.

9859x

July 1, 1836

Oliver Wyman of Waltham Massachusetts

Letters Patent.

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Oliver Wyman himself of his improvement in the Mill for Grinding Grain and other Substances.

Be it known, that I Oliver Wyman of Waltham in the County of Middlesex and State of Massachusetts have invented an improvement in the machine for grinding grain and other substances, called Wyman's improved Mill for grinding" which is described as following reference being had to the annexed drawings of the same making part of this specification. This machine consists of a suitable frame A of sufficient size and strength to contain and support the machinery hereinafter described, one principle of which is a vertical spindle B, turning horizontally with its lower end in a socket C let into a bridge tree D, its upper end turning in a second socket in the cap piece E of the frame on this spindle is fastened a conical runner F, cut into flutes or channels spirally inward, its circumference which runner is surrounded by a hollow conical bed G, made in two parts resting on a platform H, supported and regulated by four screws I, passing through the ears of the frame to raise or lower the platform. Around the bottom of the bed is a groove cut in frame K through which it may be passed horizontally for regulating the bed so as to increase or diminish the distance between the bed and runner for grinding coarser or finer as required. One or two strong iron rods M, pass over the bed and are bolted to the platform for retaining the bed stone firmly to the platform. The runner is secured in bound by an iron screw rod N, passing through the cap and through one end of the bridge tree. The other end of the bridge tree bearing on a bolt or pin on the opposite side of the frame or a screw rod may be used at each end of the bridge tree for raising it. The runner is to be turned by a bevil pinion O on the spindle into which works a bevil wheel P on the end of a horizontal shaft Q and on the other end of which shaft is a driving pulley R turned by any convenient power required. The runner may be turned by cogs and bradley by common power having cranks on the horizontal shaft connected to the ends of the cradle by connecting rods. A hopper and shoe of the usual construction are placed on the top of the frame by which the grain is fed. Previous to grain Barley, Corn or other substances before passing to the runner of the Mill, and after passing it is made use of a shaft, conical

by

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with projections formed on its circumference leaving a square opening in its centre which is shifted over the spindle. The bit being set in the chuck — to admit chisel broaches & allow it to play around freely. The mortising and dimensions of the parts of the machine may be varied to suit circumstances.

What I claim as my invention and which I desire to secure by Letters Patent consists in the before described machine for grinding Irons and other substances.

Witnesses
Jno. S. Ellicott
D. K. Minor

Oliver Mayhew

Drawing

592 words