NO PRINTED COPY OF SPECIFICATION IN OFFICE.

8771X

P. M. Wright.

Grist Mill.

Patented Apr. 14, 1835.

Fig. 1

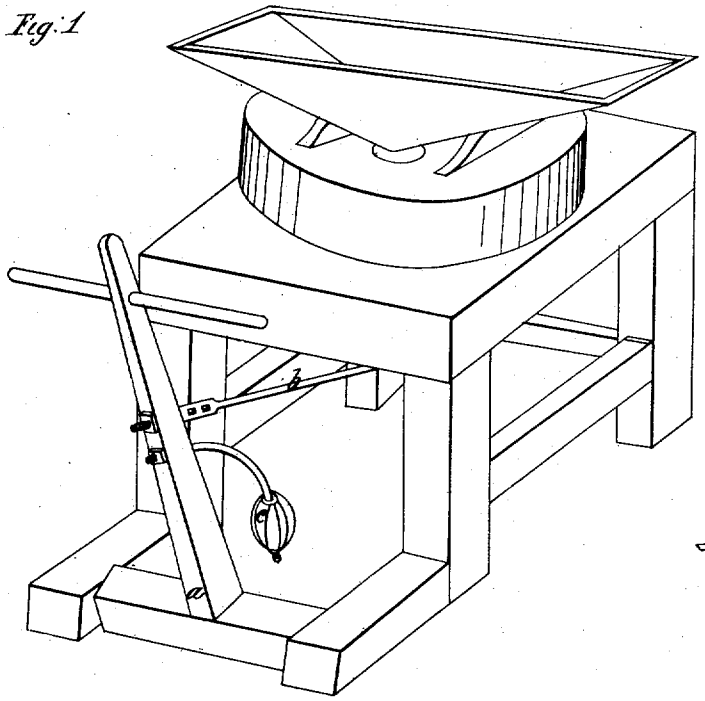


Fig. 2.

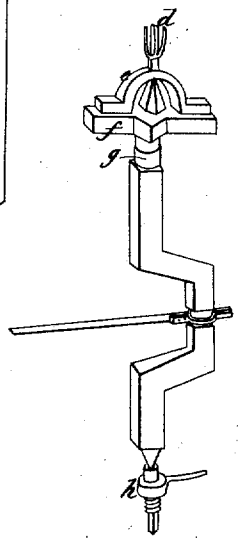
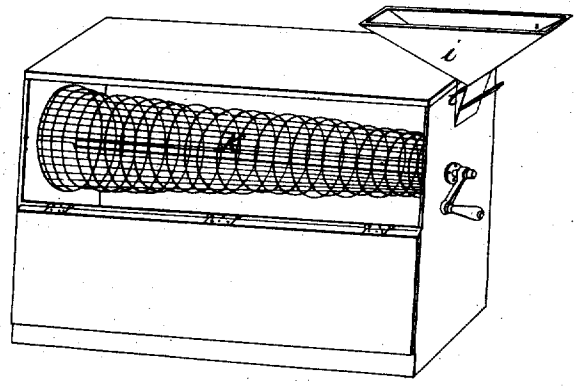


Fig. 3.



8771 X
4/14/1835

Apl. 14. 1835

Peter M Wright City & State New York

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 Peter M Wright himself of his improvement is the construction of a Family Grist Mill.

To all to whom these presents shall come, Be it known that I Peter M Wright of the City of New York in the State of New York have invented a new and useful Combination of a Family Grist Mill the peculiarity of which as follows and a full and exact description of the same. The description I shall give will be as plain and explicit as the Machine in all its parts is simple for the accomplishment of which I refer to the drawings and references had at the foot of this Specification, by direction of which I shall proceed to describe the several parts of the same. The first of which are that the great amount of friction which attends these Constructions of Mills whole motions are obtained by a Multiplication of Cog wheels and pinions is in my Construction I think obviously avoided by the application of a Crank Spindle, to be moved by the Multiplication of Cog wheels and pinions the Velocity of the stones are increased and of course the velocity of the Water diminished and a great quantity of grain ground but as these Mills are not intended to grind for a fast Velocity is not required neither does it follow that the flour is ground better but on the contrary is heated and thereby out of the injury of its good qualities. In fact in a small degree my Construction will admit of various qualities of meal to be produced by the strength of the Bevel attached to the end of the working rod it is evident may be made to mill a little of the grain a third close or the whole at all by the direct action upon the working rod.

The rockers of this Spindle may be increased to a greater extent than in the present case and be sufficiently strong to bear at the increased Speed and what Velocity may still be maintained by a bevel of a third close without any diminution of power but neither do I claim.

In the next place I proceed to describe that arrangement of machinery which is distinguished by the numbers of 2 and that is

various ways of frequent changes and perfections of the body both conducive to her Mental and Physical powers as the manner of moving Standing or Sitting can is it confined to the narrow limits of a Bank Notwithstanding the position of the Man fully can be sustained, but by lengthening the arms of the lever the exertion of power may be applyed.

Another advantage in the construction is that the Countersunk part of the fly wheel is dispensed with and the necessary gravity as a Continuous counterpoiser of Motion is obtained by the weight attached to the lever. In relation to the bolt it possesses these advantages that in stead of a Mandrel as common it is made in the form of a conical Cylinder which maintains a more regular motion as gives the force more time to make its way through as the bolt is small it may be turned in any manner either by hand or foot. A few words may be said in relation to the slip of the Spindle in Combination with the regulator that the construction is simple and saves the Spindle gearly perfect. Similar other things may be mentioned such as lessening the friction upon the Spindle regulating the keying upon the journals of the Spindle and the manner of conducting or letting the steam into the bolt all of which it is understood are sufficiently explained in the specification and drawings the claims made in this Machine and Exercise specified are to be confined to its Combination the application of the Crank Spindle working and lever the screwing of the Cutter upon the head of the Spindle the manner of regulating and letting the steam into the bolt and the Conical form of the Valve.

Witnesses
R Rowley
C. H. Bryson

Peter M Wright

Drawing [780 words]