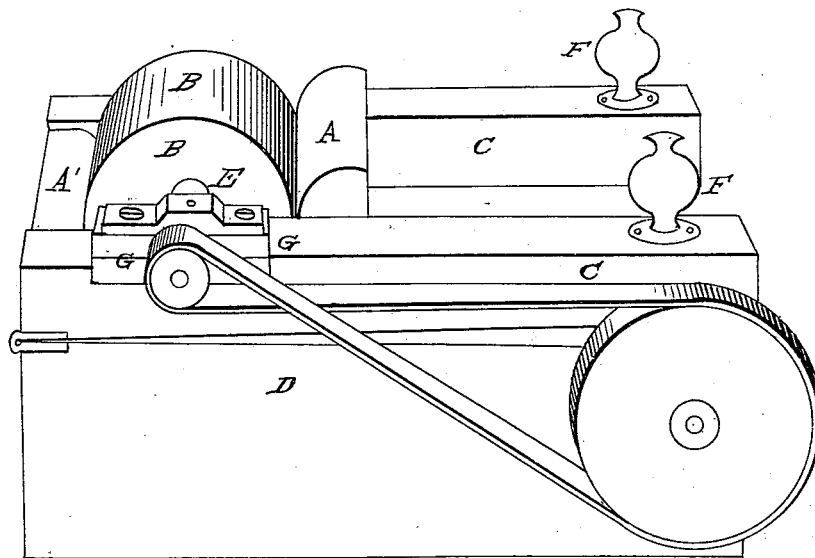


C. B. GREGORY.

Flour Mill.

No. 2,952.

Patented Feb. 16, 1843.



# UNITED STATES PATENT OFFICE.

CLARK B. GREGORY, OF DANBURY, CONNECTICUT.

GRIST-MILL.

Specification of Letters Patent No. 2,952, dated February 16, 1843.

*To all whom it may concern:*

Be it known that I, CLARK B. GREGORY, of Danbury, in the county of Fairfield and State of Connecticut, have invented a new and useful Improvement in Mills for Grinding Grain, of which the following is a full and accurate description, reference being had to the accompanying drawing, making part of this specification.

10 A A' is a concave of stone of the kind used in constructing millstones supported on an oblong frame between the side pieces or timbers D D thereof as in machines for threshing grain, &c., and B B a cylinder of  
15 the same kind of stone adapted to the concave A A and having a shaft E passing through its center, said shaft being supported at each end on and turning in boxes G G, like those in common use for similar  
20 purposes, the boxes being attached by screws or otherwise to a piece of timber C placed lengthwise on top of the side pieces or timbers D D of the frame. These timbers C C  
25 are hinged at one end to the extremity of the sides D D to allow of their being raised and lowered so as to alter the set of the stone for the purpose of grinding finer or coarser, or wholly remove it from its bed for repair, as may be necessary. To effect this the timbers  
30 C C are provided, at the ends opposite to those that are hinged, with set screws F F the points of which when screwed down pass into corresponding female screws in the upper face of the side timbers D D causing

the cylinder to fit closer to the concave but 35 when unscrewed raising the timbers or hinged frame C C either to cause the cylinder to grind coarser or to allow of its being wholly raised from its bed.

In adapting the concave to the cylinder it 40 will be necessary to so arrange it in its frame that the arc described by the cylinder when the hinged timbers C C are raised shall not cut the concave at its outer point A' which must be sufficiently depressed to 45 permit the cylinder to pass over it. Care must be had also that the inner end A of the concave is not elevated too much as the same difficulty would occur at this point from the same cause. 50

Having described my improved mill for grinding grain, plaster of Paris, &c., what I claim as my invention and desire to secure by Letters Patent is as follows, viz:

I claim in combination with said cylinder 55 and concave the mode of altering the set of the stones so as to grind finer or coarser by means of the hinged frame or timbers C C supporting said cylinder provided with set screws F F and raised or lowered by means 60 of said set screws this arrangement allowing also of the cylinder being wholly lifted from its bed for repair.

CLARK B. GREGORY.

Witnesses:

SILAS H. HICKOK,  
JAS. P. SANDERS.