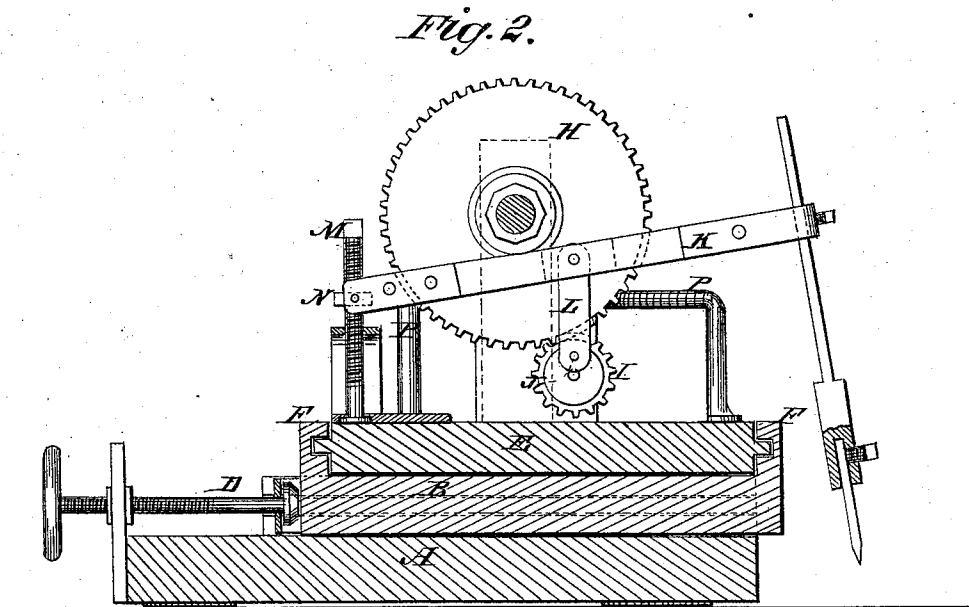
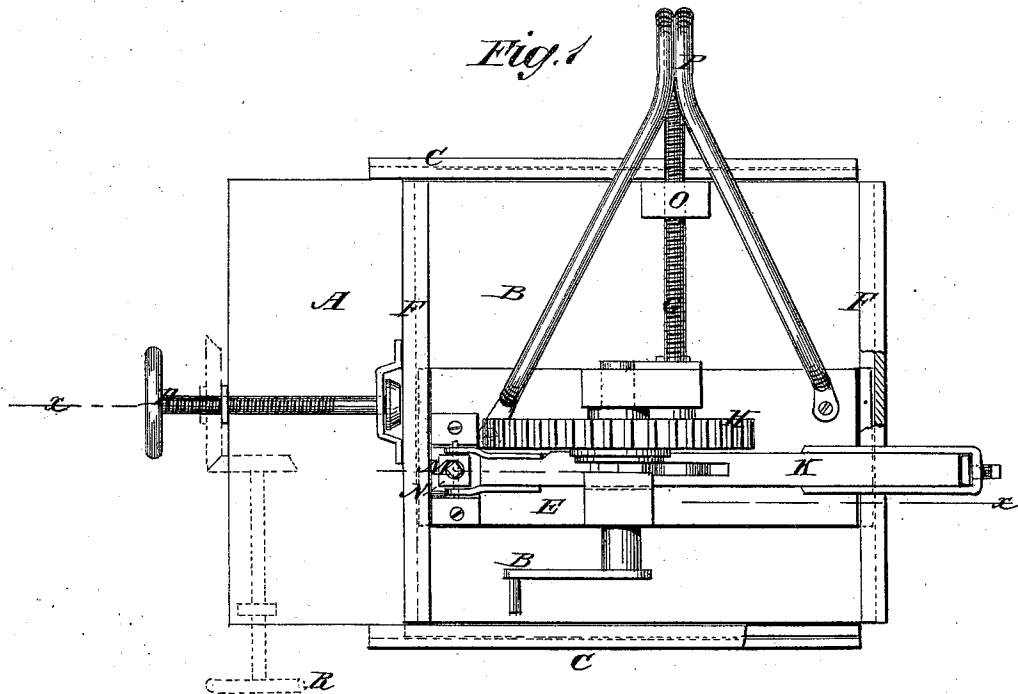


A. DEFOR.  
MILL-STONE DRESSER.

No. 177,698.

Patented May 23, 1876.



WITNESSES:  
Francis Mc Ardle,  
John Goethals

INVENTOR:  
A. Defor  
BY *[Signature]*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

AUGUSTINE DEFOR, OF ETNA, MINNESOTA.

## IMPROVEMENT IN MILLSTONE-DRESSERS.

Specification forming part of Letters Patent No. 177,698, dated May 23, 1876; application filed April 25, 1876.

*To all whom it may concern:*

Be it known that I, AUGUSTINE DEFOR, of Etna, Fillmore county, Minnesota, have invented a new and Improved Millstone-Dressing Machine, of which the following is a specification:

My invention is a contrivance for working the pick by a crank mechanism, and feeding it along at the same time in the line of the crack being made by the pick. There is also a contrivance for shifting the pick along from crack to crack, and one for adjusting the pick-handle to regulate the force of the blows.

Figure 1 is a plan view of my improved machine, and Fig. 2 is a transverse sectional elevation taken on line *x x*.

Similar letters of reference indicate corresponding parts.

A is the bed plate, on which is a plate, B, which feeds backward and forward on it between guides C by the feeding-screw D. This plate has another one, E, on it, sliding at right angles to its movements between guides F, and by means of feed-screw G. On this plate E the cranked driving-wheel H is mounted to drive the pinion I, which has a crank-pin, J, to which the pick-handle K is connected by

the rod L. The pick-handle is also pivoted to the standard M, on which it is adjustable by the nut N, to vary the force of the blow, the standard being constructed to be turned in the nut by a wrench applied to the top. The screw G is turned by the pinion I, and works in the nut O, attached to plate B. The outer end of the screw is supported in the rods P. A hand-wheel, R, may be geared with feed-screw D, as a more convenient means of turning it, if preferred. The hand-crank is turned in opposite directions by the screw G.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The driving-wheel H, pinion I, connecting-rod L, pick-handle K, and adjustable pivot N for the pick-handle, combined substantially as specified.

2. The feed-screw G, pinion I, plate E, plate B, nut O, and the supports P, combined and arranged substantially as specified.

AUGUSTINE DEFOR.

Witnesses:

B. F. FARMER,  
F. R. EDWARDS.