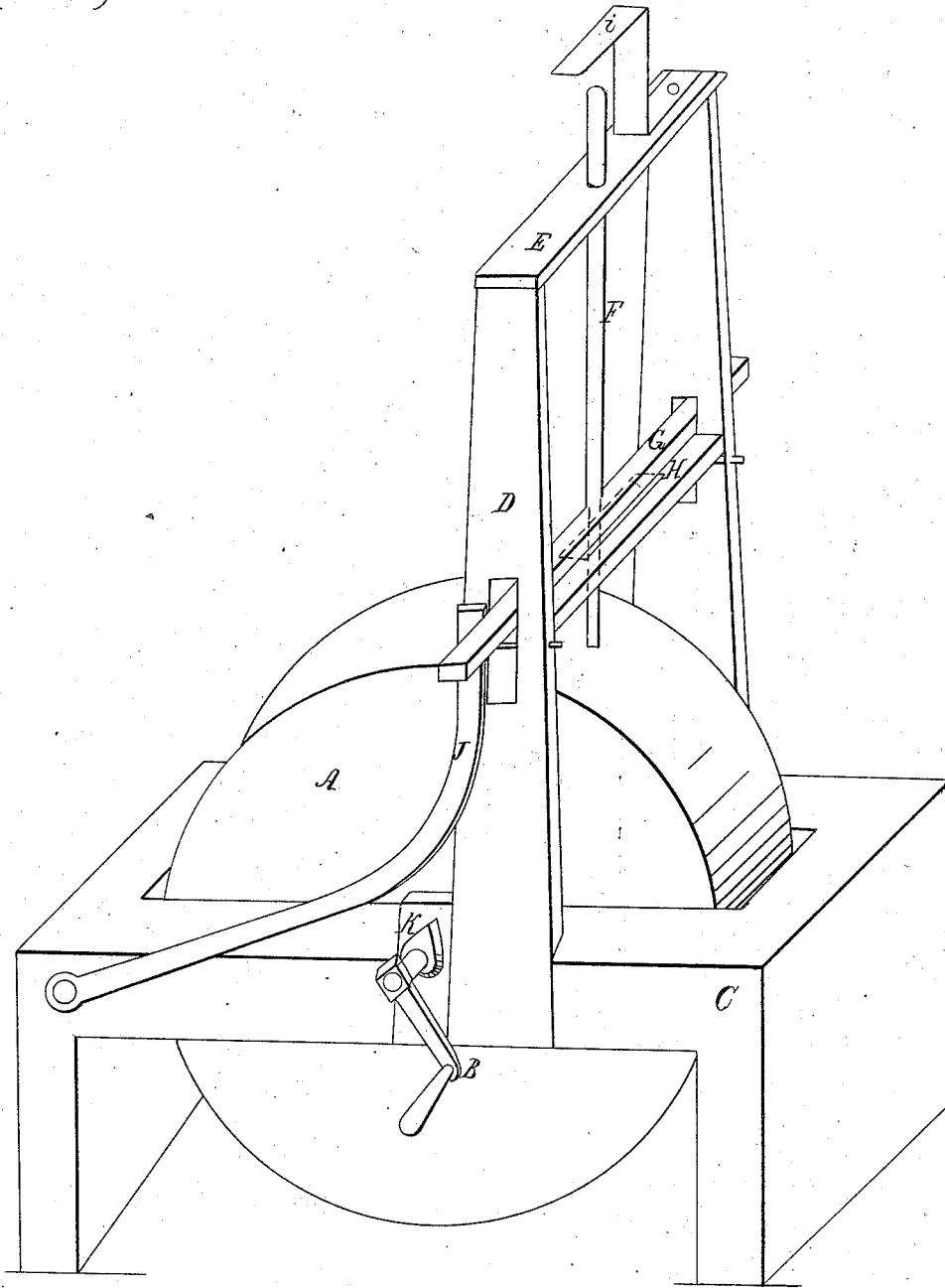


J. Pannabecker.

Self-Sharpening Grindstone.
N^o 8,676. Patented Jan. 20, 1852.



UNITED STATES PATENT OFFICE.

JESSE PANNABECKER, OF ELIZABETH TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA.

SELF-SHARPENING GRINDSTONE.

Specification of Letters Patent No. 8,676, dated January 20, 1852.

To all whom it may concern:

Be it known that I, JESSE PANNABECKER, of Elizabeth township, county of Lancaster, and State of Pennsylvania, have invented an Improved Self-Sharpener Grindstone; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation, and the nature and object of my invention is to wear a hard grindstone, and at the same time, even. The greater number of stones are generally too hard, and get smooth, and become useless, but by this mode every stone is useful; the stone being kept in continual motion according to the speed of the machinery of the factory, is at the same time regularly sharpened. And again by a high speed stones are sometimes burst asunder, because they are too soft, but the great advantage now gained is to use the best of hard stone, which can by this improvement be kept all the while sharp, even during high speed and the grain kept open, and no danger of the stone bursting, and much more work performed in grinding, and stones that heretofore had to be thrown aside as useless can now be made of value.

A, the grindstone; B, the crank; C, the bed frame; D, the upright frame; E, the head piece of upright frame; F, the picker,

an iron rod passing through the head piece E, the circular aperture of the sliding cross piece G, the oblong aperture of the stationary brace or cross piece H, and resting upon the grindstone A.

By the operation of the grindstone, the picker F is raised and thrown upward against a cross piece I which causes it to recoil upon the grindstone A, thus keeping up a continual picking motion, sharpening the stone as required and by the sliding cross piece G the picker is moved to either side of the grindstone, and the sharpening process continued. If the grindstone should in some parts be softer than others, the soft parts or the part most worn are not operated on by the picker F, because the lever J being then lowered and resting upon the cam or eccentric K at each revolution of the cam K, is raised against the sliding cross piece G which raises the cross piece G and picker F at the same time, and thus the picker F is prevented from touching or striking the broken or soft parts of the grindstone.

What I claim as my invention and desire to secure by Letters Patent is—

The combination of a grindstone with a self acting picker, by which the grindstone is sharpened by its motion or power, as herein described, or in any other manner substantially the same.

JESSE PANNABECKER,

Witnesses:

WM. S. AMWEG,

J. FRANKLIN REIGART.