H. R. FULLER.

MILLSTONE-DRESSING MACHINE.

No. 187,613. Patented Feb. 20, 1877.

Fig. 1.

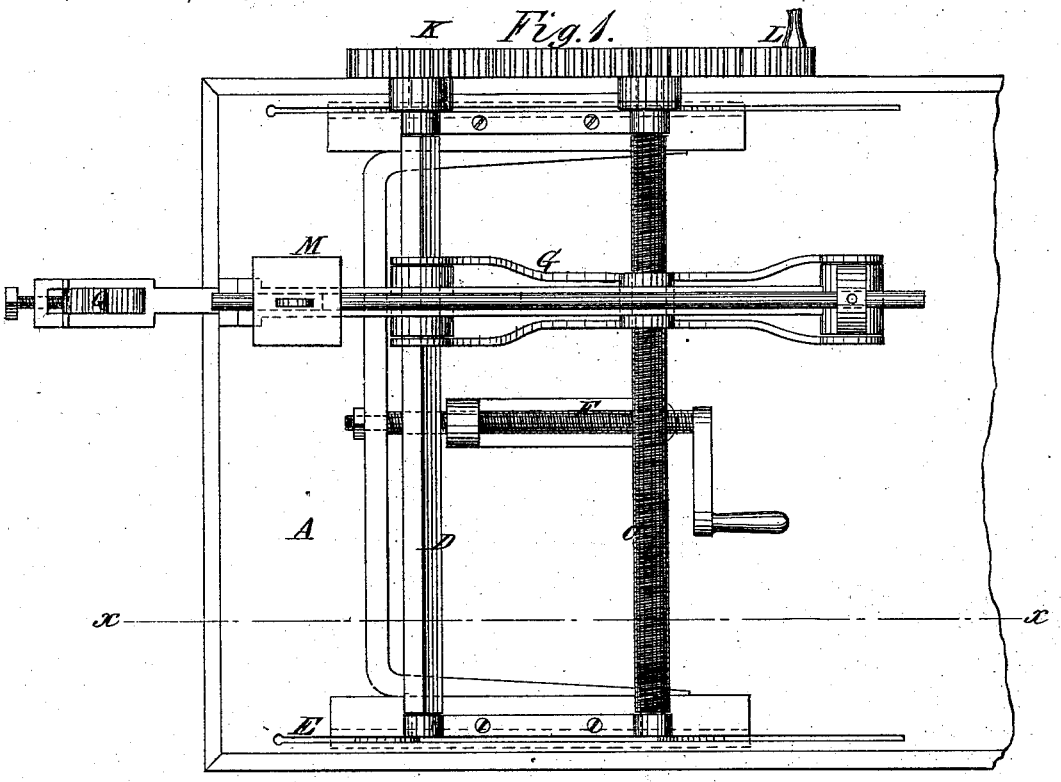
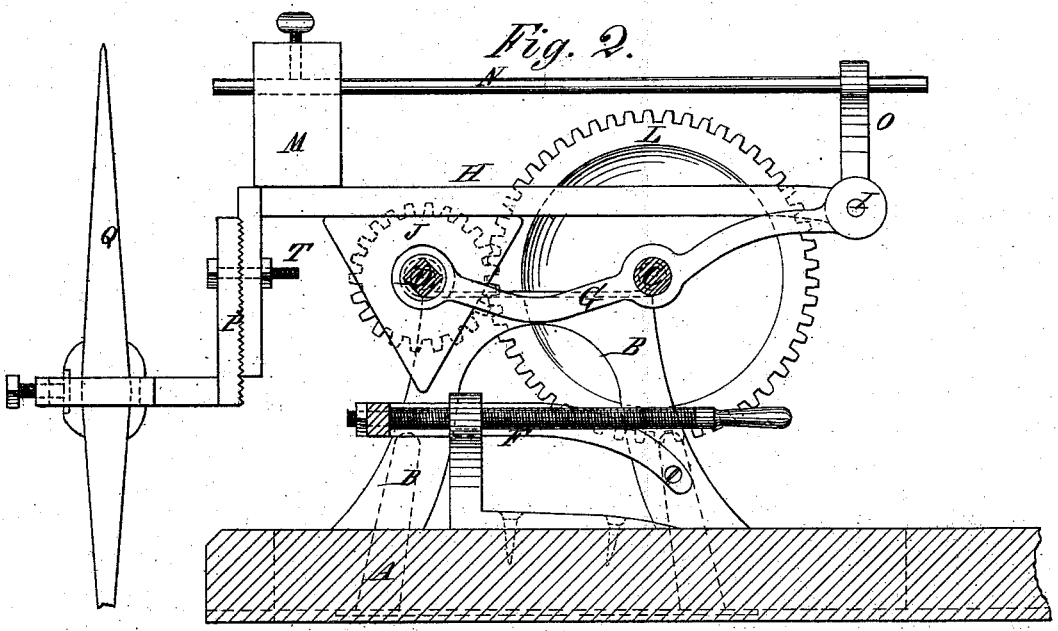


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HARVEY R. FULLER, OF PRINCETON, MISSOURI.

IMPROVEMENT IN MILLSTONE-DRESSING MACHINES.

Specification forming part of Letters Patent No. **187,613**, dated February 20, 1877; application filed May 16, 1876.

To all whom it may concern:

Be it known that I, HARVEY R. FULLER, of Princeton, in the county of Mercer and State of Missouri, have invented a new and Improved Millstone-Dressing Machine, of which the following is a specification:

In this improved stone-dressing machine the lever-handle carrying the pick is pivoted on a support which is fitted to screw along the shaft of the driving-wheel for the lateral feed, and it is fitted on a parallel shaft for a guide on which shaft is a cam for raising the pick and letting it fall to strike the stone. The force of the blow is regulated by a kind of hammer-weight fitted on the back of the pick-handle lever, to slide forward and backward.

The frame supporting the driving-gear is mounted on a bed-plate, to slide at right angles to the feed-screw, and is provided with a screw for advancing along the stone from crack to crack.

Figure 1 is a plan view of my improved stone-dressing machine. Fig. 2 is a sectional elevation taken on the line *x x*, Fig. 1.

A is the platform on which the supports B of the feed-screw C, and the cam-actuating shaft D, are mounted in ways E, so as to be advanced for setting the pick from crack to crack by the screw F. The pick-handle lever-support G is fitted by a screw-nut on the feed-shaft, and provided with arms fitted over the ends of the sliding sleeve on the cam-actuating shaft, so as to feed the pick along at each blow. The pick-lever H is pivoted to said support at I, and rests on the lifting-cam J, by which it is raised for striking the stones, the cam being turned by the pinion K, which gears with the driving-wheel L on the feed-shaft. The hammer-weight M, mounted on the pick-handle lever by the rod N, fixed in the standard O, regulates the force of the blows, being adjustable along the rod. The height of the pick Q is regulated by the corrugated adjustable clamping-bar P, and the clamp-screw T.

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

1. The combination of the adjustable hammer-weight M, rod N, and standard O, with the pick-lever handle, substantially as specified.

2. The driving-wheel L, feed-screw C, lifting-shaft D, pick-lever H, and cam J, in combination with the pinion K, support G, rod N, weight M, and standard O, substantially as and for the purpose set forth.

HARVEY R. FULLER.

Witnesses:

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