

B. H. MEITZLER & P. L. HOOS.

Improvement in Apparatus for Leveling Mill Stones.

No. 125,472.

Patented April 9, 1872.

Fig. 1.

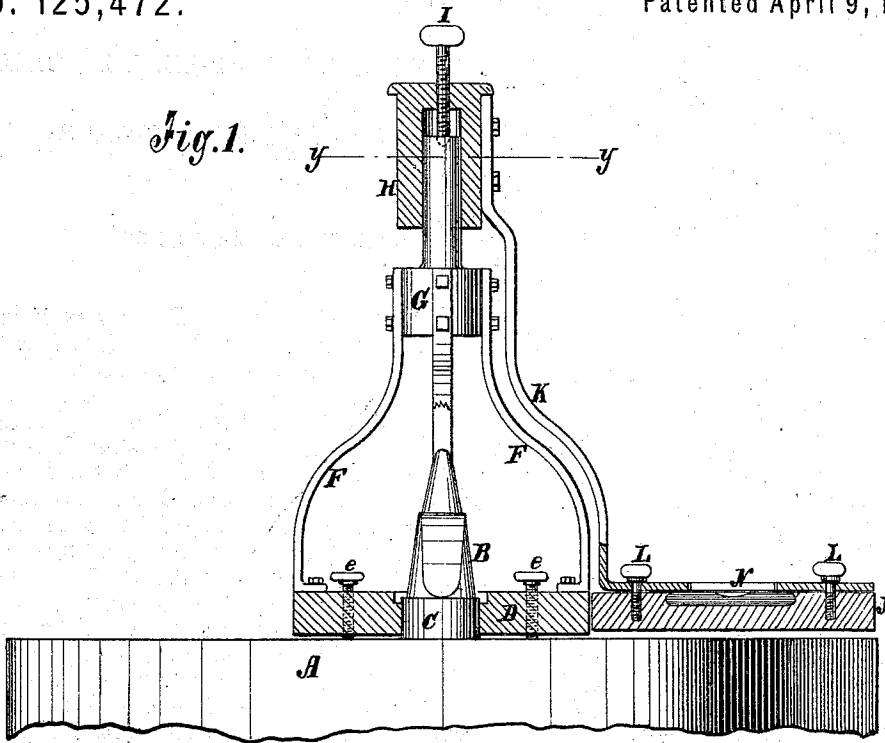
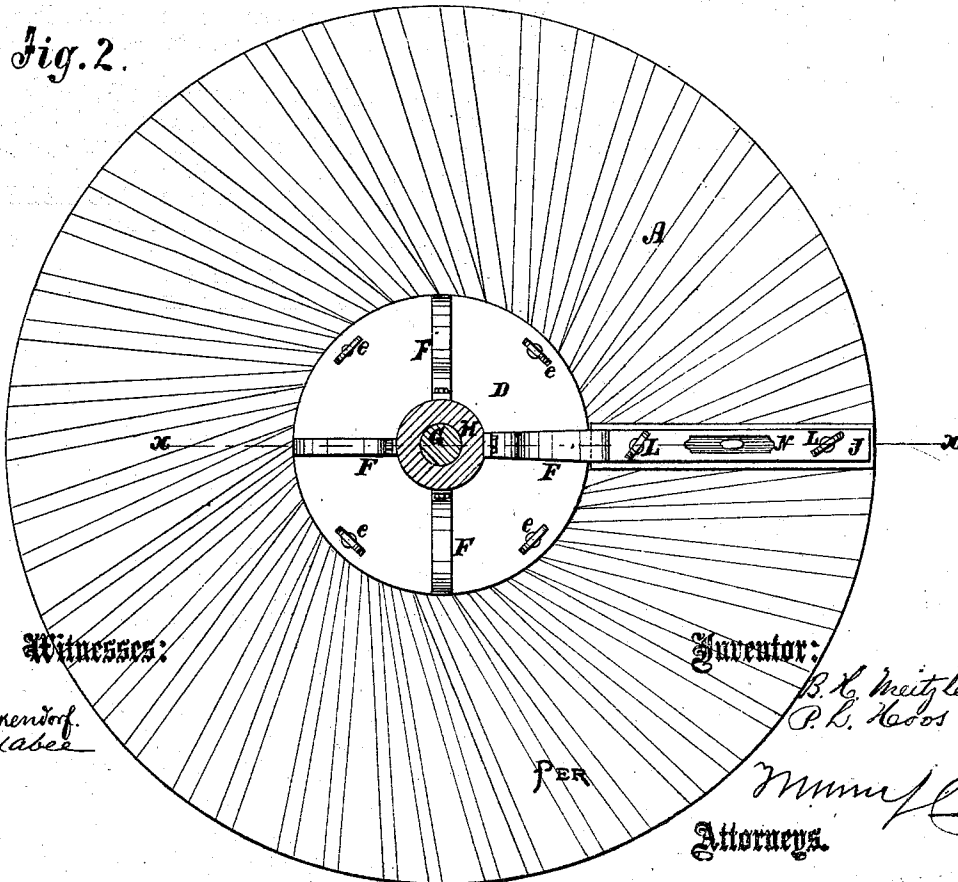


Fig. 2.



Witnesses:

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IMPROVEMENT IN APPARATUS FOR LEVELING MILLSTONES.

Specification forming part of Letters Patent No. 125,472, dated April 9, 1872.

Specification describing a new and useful Improvement in Apparatus for Leveling Millstones, invented by BENJAMIN H. MEITZLER and PHILIP L. HOOS, of Fort Seneca, in the county of Seneca and State of Ohio.

The object of this invention is to provide efficient and convenient means for leveling the grinding surfaces or faces of burr-millstones; and it consists in the mode of supporting, adjusting, and leveling the "staff" upon the stone, hereinafter more fully described.

In the accompanying drawing, Figure 1 represents a vertical section of the device taken on the line *x x* of Fig. 2. Fig. 2 is a section on the line *y y*.

Similar letters of reference indicate corresponding parts.

A is the burr-stone. B is the spindle, to the neck C of which the bed-plate of my apparatus is fitted. D is the bed-plate, which is a round disk provided with set-screws *e* for adjusting the staff on the face of the stone. F represents curved stanchions, (four, more or less, in number,) the upper ends of which are attached to and support the vertical cylindrical block G. H is an inverted cup, which is fitted on the block G, as seen in Fig. 1, provided with an adjusting thumb-screw, I, by which the cup is raised or lowered on the block. J is the staff, which is connected with the cup

H by the curved bar K. This bar extends out horizontally on top of the staff, and is fastened thereto by the thumb-screws L L. In the center of the staff, and visible through a suitable aperture in the bar, is a spirit-level, N, by which the face of the staff is leveled. The staff, being connected with the inverted cup H, (which cup is allowed to turn or revolve on the top of the block G,) may be moved around the bed D over the grinding-face of the stone. The face of the staff is covered with red or other coloring matter, so that wherever it touches it leaves a mark or colors the stone. The highest places or points on the face of the stone are thus ascertained, and the places are indicated where the stone should be picked down to make its surface even and of uniform height.

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

The bed-plate D, stanchions F, block G, inverted adjusting-screw I, bar K, and staff J, arranged substantially as and for the purposes herein shown and described.

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