

P. Leonard,

Sharpening Machine.

No. 100,047.

Patented Feb. 22. 1870.

Fig. 1.

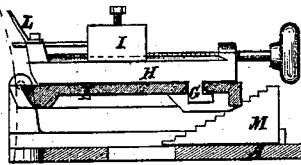
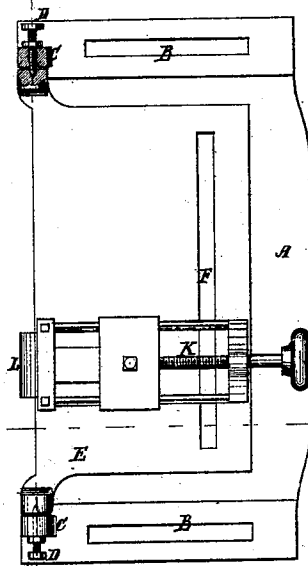


Fig. 2.



Witnesses:

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PHILIP LEONARD OF SHARON, PENNSYLVANIA.

Letters Patent No. 100,047, dated February 22, 1870.

IMPROVEMENT IN TOOL-HOLDER FOR GRINDSTONES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, PHILIP LEONARD, of Sharon, in the county of Mercer, and State of Pennsylvania, have invented a new and improved Tool-Holder for Grindstones; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification.

This invention relates to improvements in tool-holders for holding the tools or scrapers to grindstones, and traversing them along the face of the stones, and adjusting them for grinding on different bevels.

It consists of a slotted bed-plate arranged for attachment to the wood frames of the stone by screws or bolts, so as to be adjusted towards or from the face of the stone, and provided with uprights, wherein a vertically oscillating plate is journaled at the edge next the stone, which plate serves for the support and laterally traversing bed of a tool or scraper holder, which is capable of sliding to or from the stone, and is provided with a screw for operating it.

Figure 1 is a sectional elevation of my improved apparatus, the section being taken on the line $x x$ of fig. 2, and

Figure 2 is a plan view of the same.

Similar letters of reference indicate corresponding parts.

A is the bed-plate.

It is provided with a slot, B, in each end, and the said ends are raised above the intermediate part so

that the latter will set down below the faces of the timbers whereon the ends rest. It is attached to the beams by bolts passing through the slots which admit the plate to be adjusted to or from the stone.

C represents the posts rising up from the bed-plate at the corners of the side next the stone, for the support of the set-screws D, or journals of the plate E pivoted between them to oscillate vertically.

This plate is provided with a long slot, F, in which the guide G of the bed H, for the tool-holding slide I, works back and forth, to permit the tool or scraper to be traversed across the face of the stone.

This holder I slides up and down on the bed H, and is worked by a screw, K.

L is the scraper, permanently attached to the front end of the bed H.

The outer edge of the plate E may be raised or lowered, as required for the bevel of the edge of the tool to be ground, and a notched wedge, M, may be placed under it to hold it when required.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The combination of the plates A B, bed H, tool-slide I, screw K, scraper L, posts C, and set-screws D, or journals, all constructed and arranged substantially as specified.

PHILIP LEONARD.

Witnesses:

ABNER APPLIGATE,
WILLIAM G. TURNER.