

*P. Leonard.*  
*Dressing Stone.*

*Nº 91,944.*

*Patented Jun. 29. 1869.*

Fig. 1.

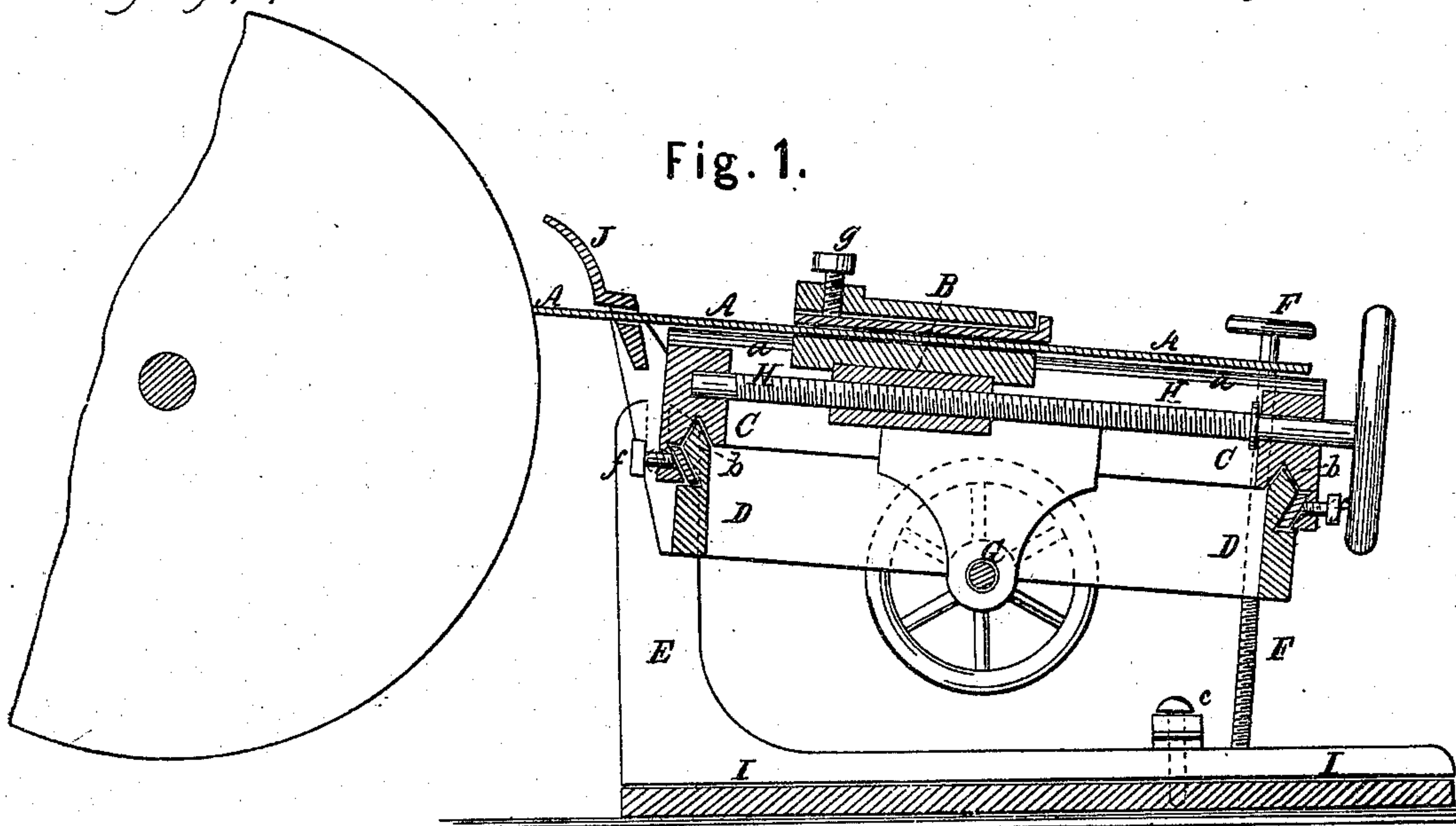
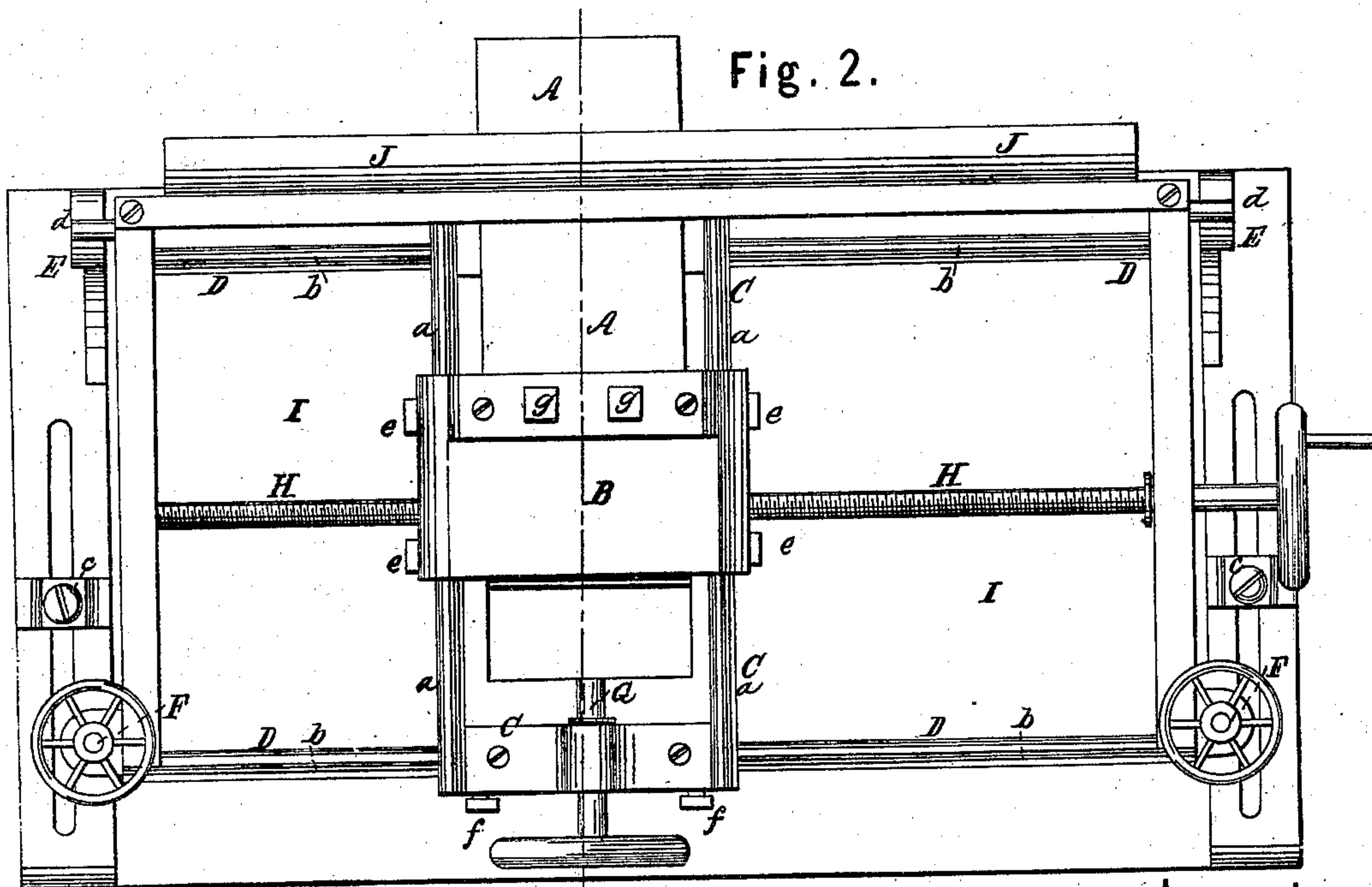


Fig. 2.



Witnesses.

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# United States Patent Office.

PHILIP LEONARD, OF SHARON, PENNSYLVANIA.

*Letters Patent No. 91,944, dated June 29, 1869.*

## IMPROVED MACHINE FOR TURNING AND SCRAPING 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 Machine for Turning and Scraping 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 drawing, forming part of this specification, in which—

Figure 1 represents a vertical transverse section of my improved turning and scraping-machine.

Figure 2 is a plan or top view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new machine for holding the tool that is used for turning and scraping grindstones, and has for its object to make the said tool adjustable in every direction and position, to be adapted to grindstones of different size and kind.

The tool A is clamped in a small frame B which rests on the upper edges of rails *a a*, that are formed on a frame, C.

The frame C rests on longitudinal rails *b b*, that are formed on a frame, D, which is supported on standards E and screws F.

The standards E rest upon a bed, I, and have slotted lower ends, so that they are transversely adjustable on the bed, they being clamped in any suitable position, by means of screws *c*.

The frame D has projecting pins *d* at the ends, said pins resting on the recessed upper ends of the standards, so that the frame can swing on the same.

The rear end of the frame D is supported by the screws F, which rest with their lower ends on the bed

or on the lower arms of the standards, and which, when turned, raise or lower the rear part of the frame D, to bring the tool into a suitable inclined position.

The frame C can be laterally adjusted on the frame D, by means of a feed-screw, G, which has its bearings in the frame D; and by its means the tool is laterally adjusted.

The frame B can be transversely adjusted by means of a feed-screw, H, which has its bearings in the frame C; and by its means the tool can be caused to project more or less from the front face of the frame D.

The frame B can be clamped in the desired position on C, by means of screws *e*, and, by means of screws *f*, can C be clamped on D.

The tool is clamped in the frame B by means of screws *g*, and projects through the slotted front face of the frame D.

A curved fender, J, is formed at the upper part, on the face of the frame D, for the purpose of protecting the operator from the dust and sand produced by the operation of turning or truing the stone.

Having thus described my invention,

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

A machine for turning and scraping grindstones, consisting of the pivoted frame, carrying the longitudinally-adjustable frame C, on which the transversely-adjustable frame B is arranged, and of the tool A, the frame D being adjustable by means of screws F, and provided with a fender, J, substantially as herein shown and described.

PHILIP LEONARD.

Witnesses:

JOSEPH HIGGS,

ABNER APPLEGATE.