T. F. CARVER.

RESTS FOR METAL LATHES.

No. 187,353. Patented Feb. 13, 1877.

Fig. 1.

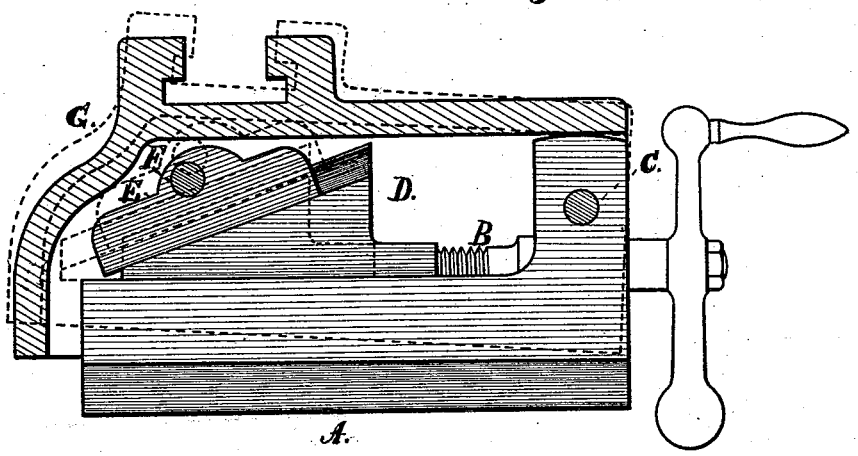
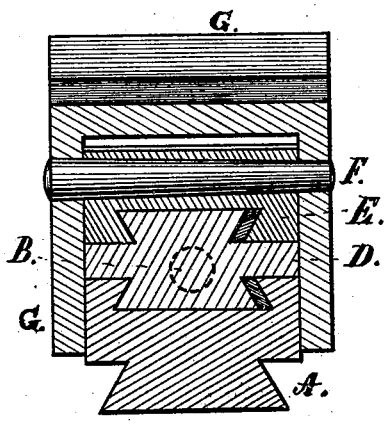


Fig. 2.



Witnesses;

Edward H. Hill

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BY HIS ATTY.,

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UNITED STATES PATENT OFFICE.

THOMAS F. CARVER, OF WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN RESTS FOR METAL-LATHES.

Specification forming part of Letters Patent No. **187,353**, dated February 13, 1877; application filed May 24, 1876.

To all whom it may concern:

Be it known that I, THOMAS F. CARVER, of the city and county of Worcester, State of Massachusetts, have invented certain Improvements in Rests for Metal-Lathes, of which the following is a specification, due reference being had to the accompanying drawings.

My invention relates to the raising and lowering of the point of the tool on the work, and is designed to do both in a positive manner, giving a firm, solid support all the time under the tool-post, and also preventing any intrusion of chips or dirt into the working parts. Its nature is shown in the following description and accompanying drawing of a rest embodying my invention.

Figure 1 is a side view, with one side of the case removed to show the interior. Fig. 2 is a cross-section at right angles to Fig. 1.

The same letters indicate the same parts wherever they occur.

A is the bed, which holds or secures the whole to the rest or slide of most any of the usual forms for iron-lathes, its end being carried up to form bearings for the screw B and pin C, and its upper surface fitted to receive and hold the projection on the wedge D, which slides therein by means of the screw B, the upper side of which has a similar fitting to the block E, which, by its pin F, supports the front end of the case G near the tool-post, the back end of G being held by the pin C. The case G extends down in front and on both sides well onto A, so as to prevent any chips or dirt entering the working parts.

The operation is apparent in Fig. 1, where the broken lines show the case G elevated, with the other parts in corresponding position. Turning B either way gives a positive motion to the case G.

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

1. The pivoted block E, supporting the case G under the tool-post, in combination with the slides D and A, substantially as and for the purposes set forth.

2. The tool-bearing case G, pivoted to A, and surrounding and covering the slides D and E on three sides, as and for the purposes described.

3. The combination of the case G, pivoted to A and E, with the piece A, slide D, screw B, and block E, substantially as and for the purposes set forth.

THOMAS F. CARVER.

Witnesses:

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