R. NEASHAM.

TOOL-POSTS FOR LATHES.

No. 195,769. Patented Oct. 2, 1877.

Fig. 1

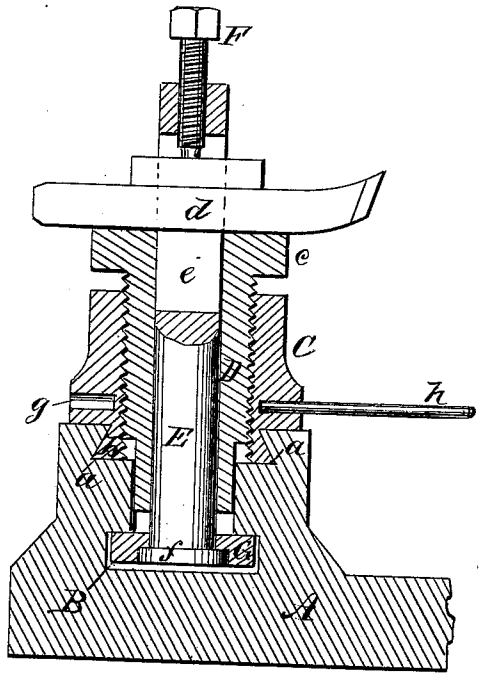
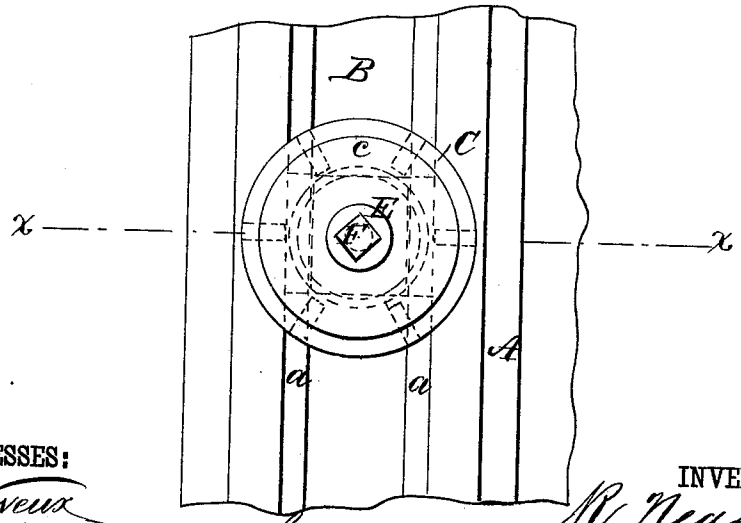


Fig. 2



WITNESSES:

C. Neveux

J. H. Scarborough.

INVENTOR:

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UNITED STATES PATENT OFFICE.

ROBERT NEASHAM, OF MOUNT WASHINGTON, (PITTSBURG,) PA.

IMPROVEMENT IN TOOL-POSTS FOR LATHES.

Specification forming part of Letters Patent No. **195,769**, dated October 2, 1877; application filed July 30, 1877.

To all whom it may concern:

Be it known that I, ROBERT NEASHAM, of Mount Washington, (Pittsburg,) county of Allegheny, and State of Pennsylvania, have invented a new and Improved Tool-Post for Lathes, of which the following is a specification:

Figure 1 is a vertical section on line *x x* in Fig. 2. Fig. 2 is a plan view.

Similar letters of reference indicate corresponding parts.

My invention relates to tool-posts for engine-lathes and similar tools; and it consists of a support for the tool which is made in two parts, the upper part being screwed into the lower part, and capable of being raised or lowered by turning the said lower part.

The tool-post passes through the support, and is mortised to receive the tool, which is clamped by a set-screw, in the usual way.

Referring to the drawing, A is a portion of the tool-carriage of a lathe, which is provided with the usual T-shaped slot *b*, and with V-shaped grooves *a* at the sides of the slot.

C is a nut, having formed on it the V-shaped flange *b*, which is fitted to the grooves *a*, and is capable of turning therein.

To the nut C an externally-threaded sleeve, D, is fitted, which is flattened at its lower end and fitted to the narrower portion of the T-shaped slot B, and is provided with a flange, *c*, at its upper end, for supporting the tool *d*.

A post, E, provided with the usual mortise *e* for receiving the tool, and with a set-screw, F, for binding the tool, is fitted to the sleeve D, and is provided with a head, *f*, to which a plate, G, is fitted, which is placed in the wider part of the T-shaped slot B.

By turning the nut C, (which is provided with a number of holes, *q*, for receiving a rod, *h*, for that purpose,) the sleeve D is raised or lowered, as may be required, and the tool is clamped upon the top of the said sleeve by the set-screw in the post.

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

The combination, with tool-carriage having T-slot B and V-grooves *a*, of the nut C, having V-flange *b*, end-flattened sleeve D, having flange *c*, post E, having head *f*, and the plate G, as shown and described, for the purpose specified.

ROBERT NEASHAM.

Witnesses:

B. O. BRADFIELD,

JAMES HOLT.