

G. S. FALES.  
 Tool-Post for Turning-Lathes.

No. 224,006.

Patented Feb. 3, 1880.

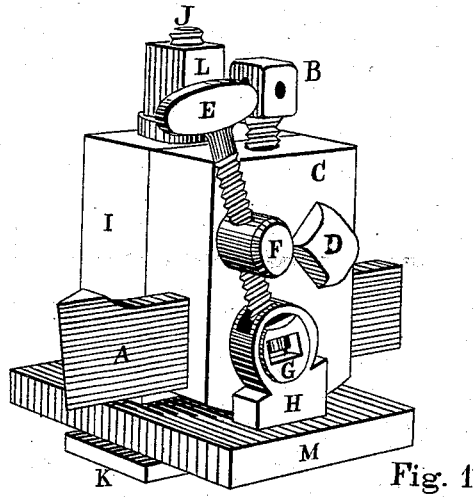


Fig. 1

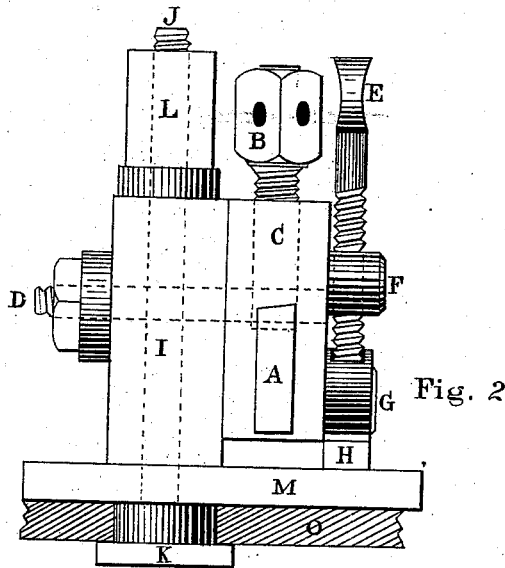


Fig. 2

Witnesses

*Smith and Potter*  
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Inventor

*G. S. Fales*

# UNITED STATES PATENT OFFICE.

GILES S. FALES, OF NEW BEDFORD, MASSACHUSETTS.

## TOOL-POST FOR TURNING-LATHES.

SPECIFICATION forming part of Letters Patent No. 224,006, dated February 3, 1880.

Application filed September 20, 1879.

*To all whom it may concern:*

Be it known that I, GILES S. FALES, of New Bedford, in the county of Bristol and State of Massachusetts, have invented a new and useful Improvement in Tool-Posts for Turning Lathes, of which the following is a specification.

My invention consists in an adjustable tool-post, by which the cutting-edge of the cutter may be adjusted to its correct position and firmly secured in the post, and the post firmly secured in the rest.

In the tool-post in general use great care is necessary to adjust the cutter to its correct cutting position.

Figure 1 is a perspective view of my invention. Fig. 2 is a front view of the same.

A is the cutter. B is a screw-bolt; C, the movable part of the post; D, the screw-bolt, which connects the movable part with the permanent part; E, a thumb-screw; F, a movable nut connected with movable parts C, through which the thumb-screw passes, and said thumb-screw is secured in case H. G is a movable part, in which the lower end of screw E is fastened with a washer, which allows it to turn

loose in case H, which is attached to base M, and holds the movable part G. H is a case; I, the permanent upright; J, upper end of bolt for securing the post to the rest; K, head of bolt; L, nut which fastens the tool-post with the jaws of the rest O.

Operation: The adjustable tool-post herein described being constructed as herein set forth, its operation may be noted. By vertical screw E, passing through nut F and secured in part G, the movable part of post C is adjusted to any desired position, which also adjusts the cutter A, as will be plainly seen without further specification.

I claim—

The movable part C, attached to the permanent part I with bolt D, the adjustable thumb-screw E, movable part G and nut F, case H, cutter A, nut L, and bolt J, all constructed, combined, and operating as and for the purposes set forth and described.

GILES S. FALES.

Witnesses:

SOUTHWARD POTTER, 2d,  
ADAM MUCKIE.