No. 654,757 Patented July 31, 1900.

J. G. OBERMIER.

STOP BLOCK FOR LATHES.

(Application filed Jan. 13, 1900.)

(No Model.)

Fig. 1

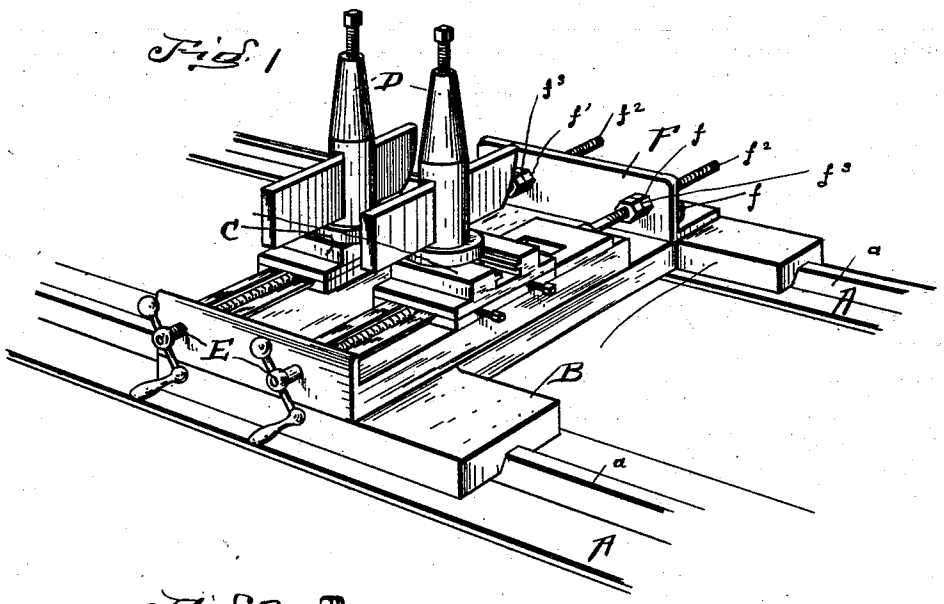
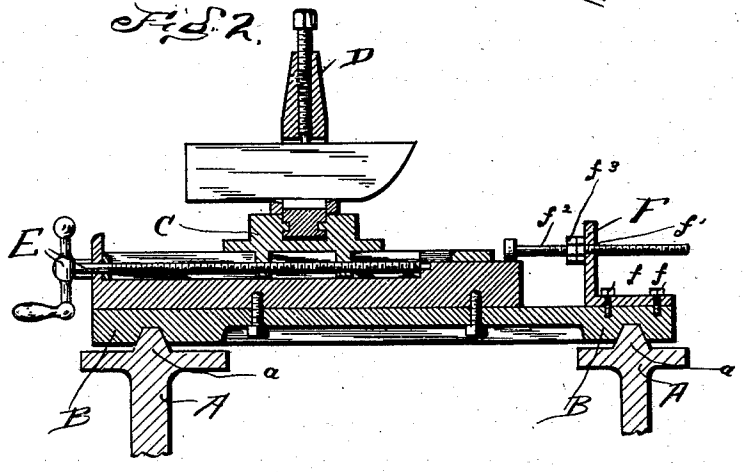


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN G. OBERMIER, OF CANTON, OHIO.

STOP-BLOCK FOR LATHES.

SPECIFICATION forming part of Letters Patent No. 654,757, dated July 31, 1900.

Application filed January 13, 1900. Serial No. 1,260. (No model.)

To all whom it may concern:

Be it known that I, JOHN G. OBERMIER, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented new and useful Improvements in Stop-Blocks for Lathes, of which the following is a specification.

My invention relates to stop-blocks for lathes; and it consists in providing an angle-plate carrying a number of adjustable headed screw-stops each to engage with a tool-rest, so that a number of tool-rests may be mounted upon one and the same machine and successively brought into operation by means of their respective cross-feeds without other adjustment than the previous adjustment of the stop-blocks to the form of the work to be operated upon, thus providing a multiple stop-block, as will be hereinafter more fully described and claimed.

In the accompanying drawings similar letters of reference refer to similar parts.

Figure 1 represents a perspective view of my invention. Fig. 2 is a cross-sectional view.

A represents the bed-plate of the lathe, provided with the usual projecting ways *a*, upon which there is mounted the slide-rest B, carrying the adjustable tool-rest C, on which there is mounted the tool-head D. The tool-rest C is capable of adjustment by means of the cross-feed screw and lever E. These parts of the machine may be of any of the well-known forms; but my invention consists in providing the angle-plate F, the lower flange of which may be securely engaged to the slide-rest by any of the well-known means; but I have shown it fastened thereto by means of the screw-bolts *f*. The upper flange of the angle-plate F is provided with a series of screw-threaded apertures *f'*, which may be of any desired number, dependent upon the number of tools to be operated. The headed screw-threaded bolt f^2 is adapted to be mounted in the screw-threaded apertures *f'* in the projecting flange of the angle-plate and is held in desired adjustment therewith by means of the adjusting-nut f^3. In operation the stop-screws are adjusted in the angle-plate at the desired points to stop the tool-rest at the point at which it is desired to bring the tool into engagement with the work, and if a number of tools are to operate upon the same piece of work at different points the stop-screws are first adjusted, when by means of the cross-feed the tools are successively brought into operation, and where it is desired, as is now frequently the case, to turn a large number of articles of the same form and with equal accuracy it will be observed that it can be more readily done by my device than by any of the other devices now known. The machine having once been set requires no further change or adjustment so long as work of the same form is to be reproduced.

Having thus fully described my invention, what I desire to secure and claim by Letters Patent is—

The combination in a lathe, of a bed-plate with a slide-rest mounted thereon, and carrying a tool-rest, cross-feed screws engaging the slide and tool rest, an angle-plate mounted upon the opposite side of the rest, a series of screw-threaded apertures in the projecting flange thereof, and headed stop-screws mounted therein and carrying adjusting-nuts, substantially as described and for the purpose set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN G. OBERMIER.

Witnesses:
CHAS. R. MILLER,
CHAS. M. BALL.