

**J. C. CHAPMAN.**  
**Slotting and Planing Tools.**

No. 150,395.

Patented May 5, 1874.

Fig. 1.

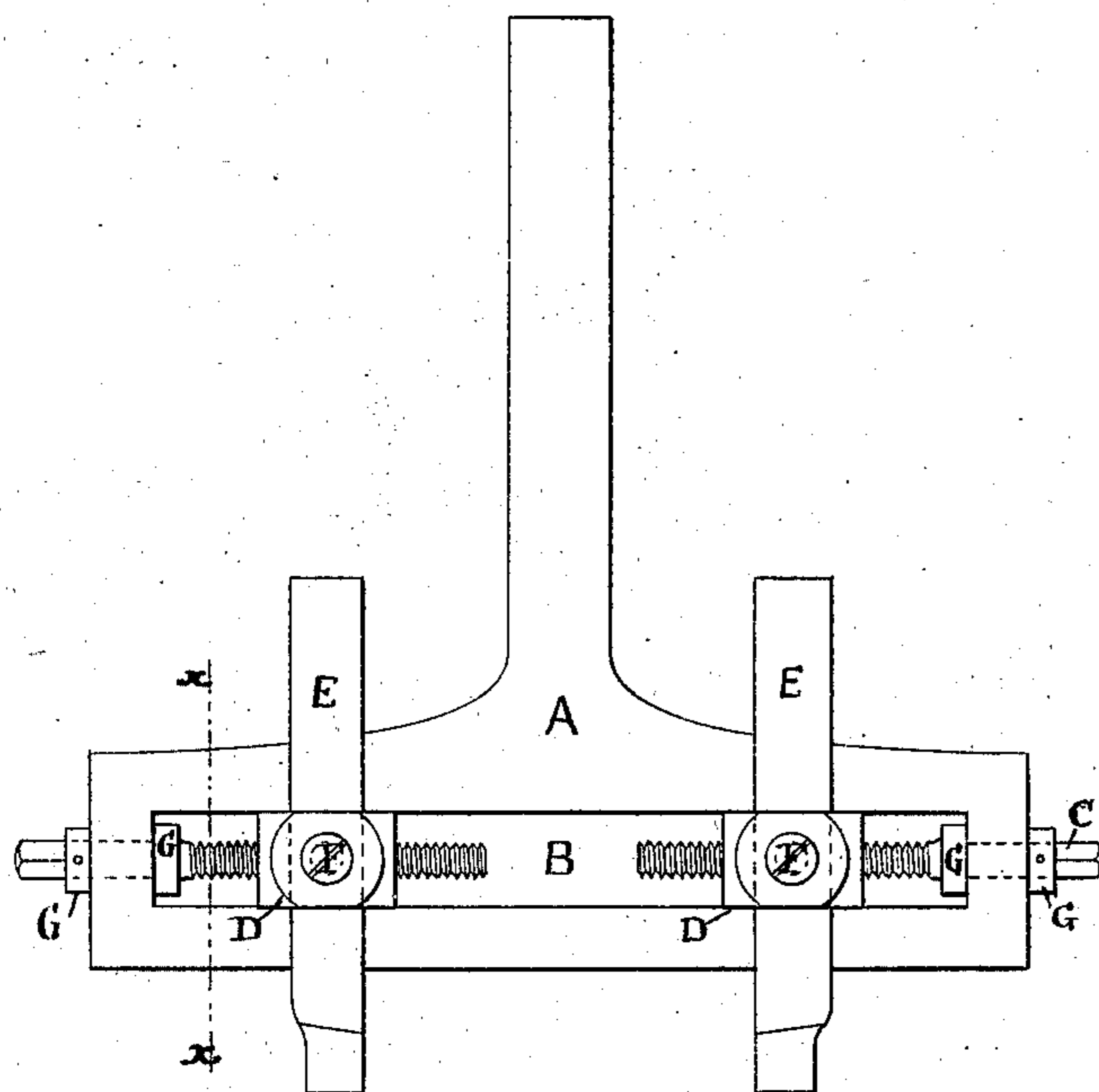


Fig. 2.

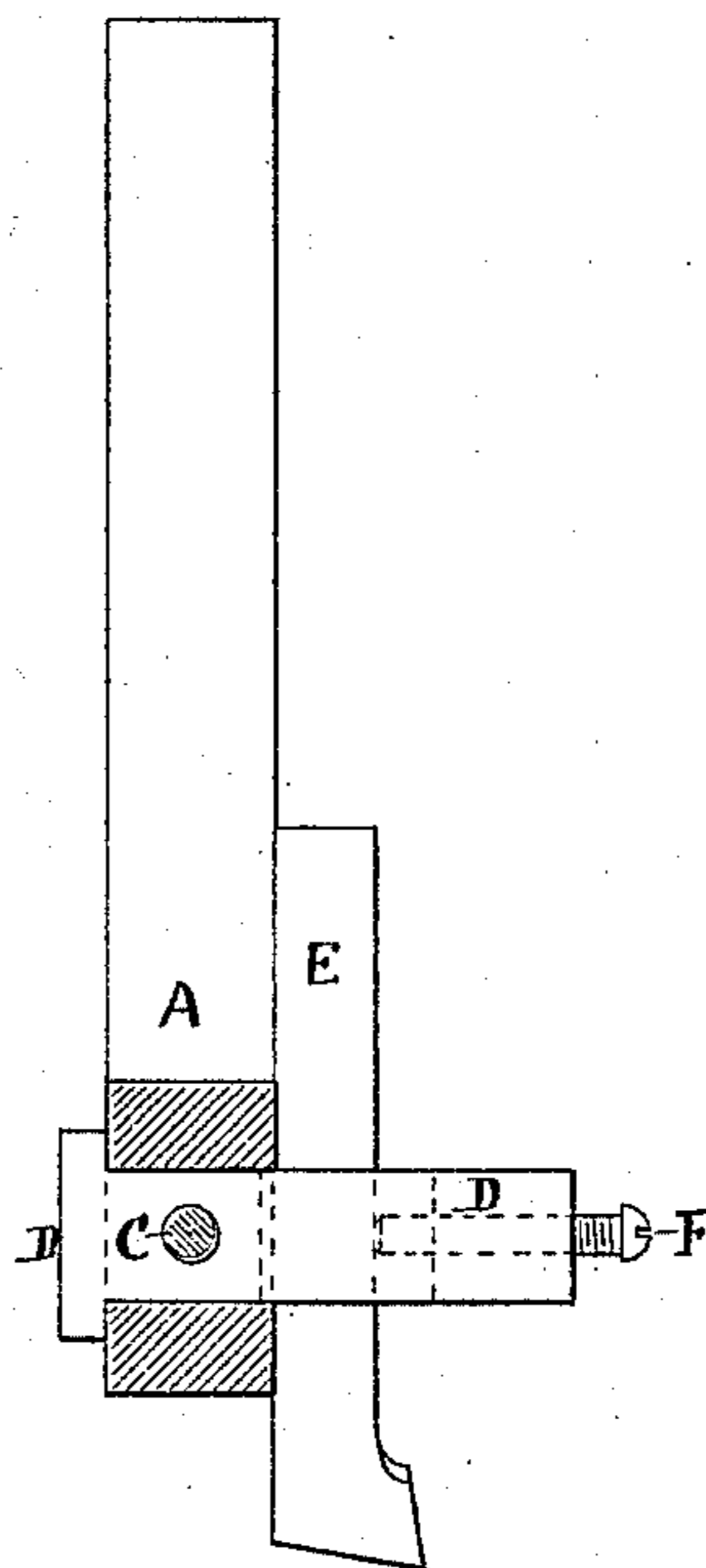
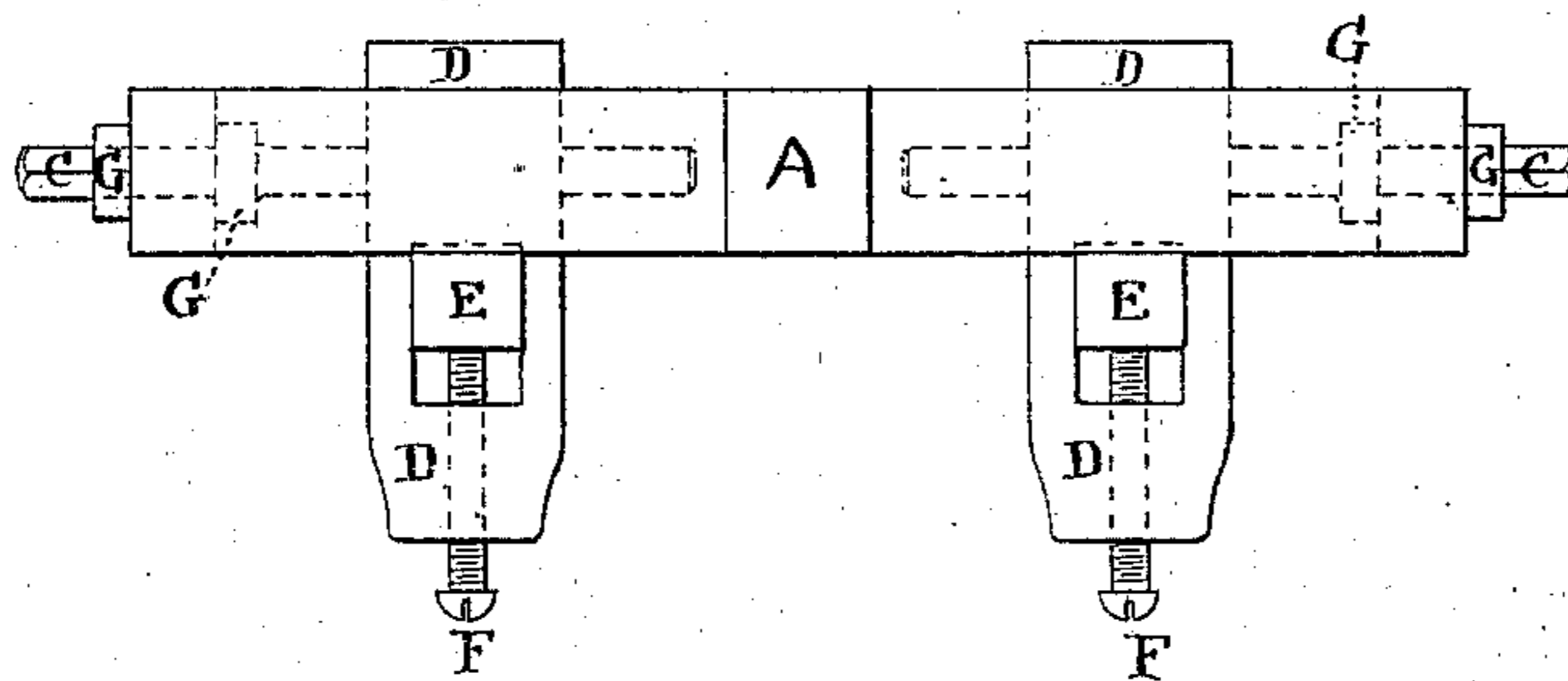


Fig. 3.



WITNESSES.

*Everett Dick*

*John B. Williams*

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 INVENTOR.  
*by A. Pollock atty.*

# UNITED STATES PATENT OFFICE.

JOHN C. CHAPMAN, OF PASSAIC, NEW JERSEY, ASSIGNOR TO NEW YORK  
STEAM-ENGINE COMPANY, OF SAME PLACE.

## IMPROVEMENT IN SLOTTING AND PLANING TOOLS.

Specification forming part of Letters Patent No. 150,395, dated May 5, 1874; application filed  
April 11, 1874.

*To all whom it may concern:*

Be it known that I, JOHN C. CHAPMAN, of Passaic, in the county of Passaic and State of New Jersey, have invented certain new and useful Improvements in Tools for use in Slotting, Shaping, and Planing Machines, of which the following is a specification:

The object of this invention is to provide a tool-holder for use in slotting, shaping, and planing machines, by means of which the quantity and quality of work done on those machines may be improved.

In the drawings, Figure 1 is a front view of the tool-holder. Fig. 2 is a vertical section at line *xx*, Fig. 1; and Fig. 3 is a plan of the tool-holder.

A is the tool-holder, having a longitudinal horizontal slot, B, and adjusting-screws C, one at each end of said slot passing through the ends of the holder into the slot, and regulating the position of the blocks D D. The blocks D extend through slot B, and are formed with flanged heads, which take against the rear face of the holder A, as seen in Fig. 2. They have vertical openings or slots through them, in which are placed the cutting-tools E E. These tools may be of any form most convenient for the work to be done, and are held in position by the pinching-screws F F in the outer ends of the blocks, which press the tools against the front of holder A. The screws C C are fitted to each end of piece A, and revolve

freely in it, the piece A acting as a bearing for the screws. The screws C C at one end are squared to receive a crank, by which they are operated, and have collars G G, to prevent any lateral or end motion. The blocks D D are tapped or threaded, to receive the screws C C, thus forming a nut, and by operating the screws the blocks D D, together with the tools E, may be moved toward or from each other to any required position.

A tool thus made is useful in many ways as a means of increasing the amount of work a machine can do, and some kinds of work can be better done with a tool of this kind than by a single cutting-tool. This tool may be used to an advantage on each of the machines hereinbefore named in finishing nuts, straps, and ends of connecting-rods, and many small narrow articles may be operated on and finished with this tool in half the time usually required for the same work.

What I claim as my invention is—

The combination of the tool-holder A, screws C C, and blocks D D, arranged as described, and for the purposes set forth.

In testimony whereof I have hereunto signed my name this 20th day of March, A. D. 1874.

JOHN C. CHAPMAN.

Witnesses:

S. A. CLARKE,  
JOHN DUFFUS.