

(No Model.)

2 Sheets—Sheet 1.

A. L. STODDARD.
GUIDE AND GUARD FOR VARIETY MOLDING MACHINES.
No. 604,946.

Patented May 31, 1898.

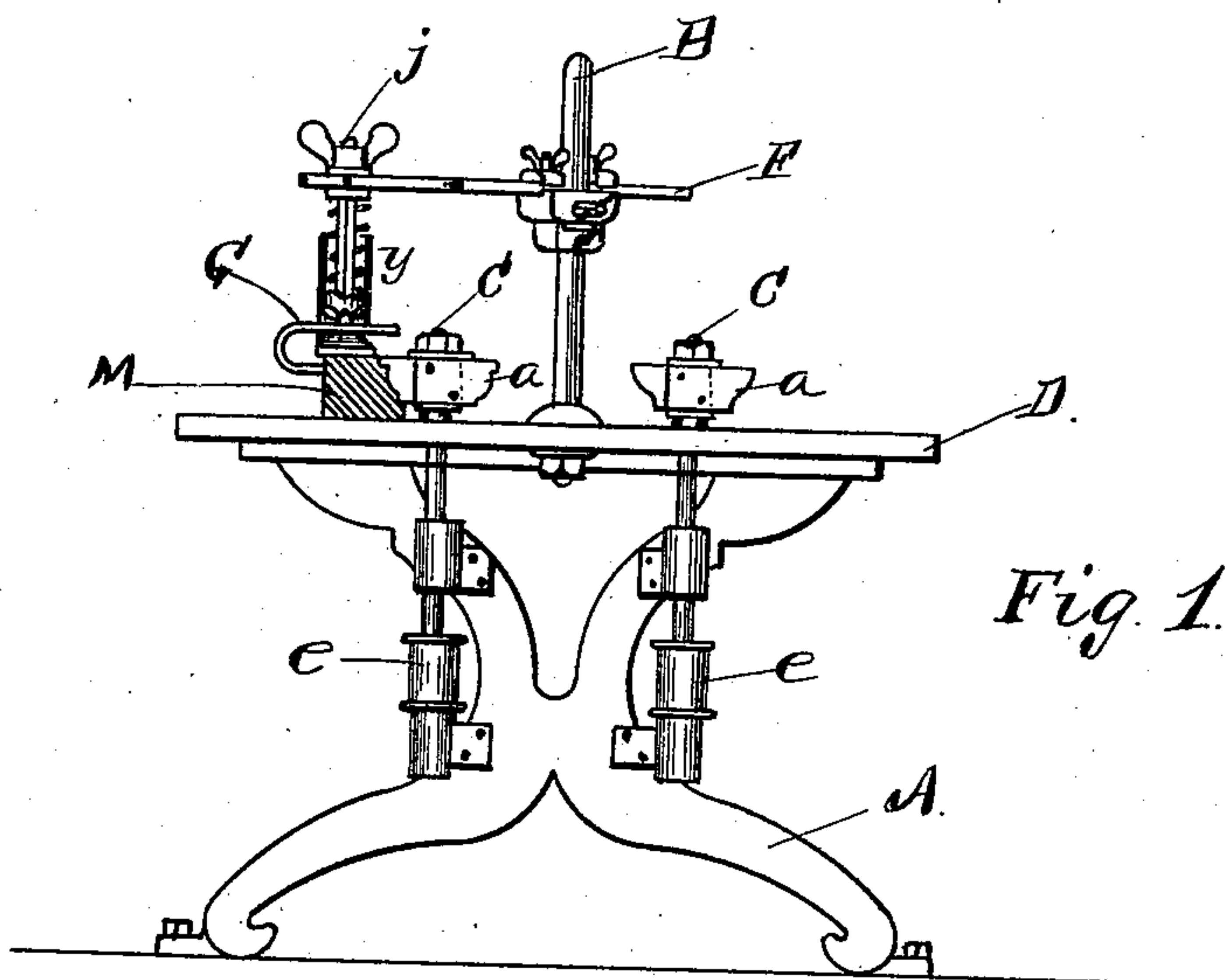
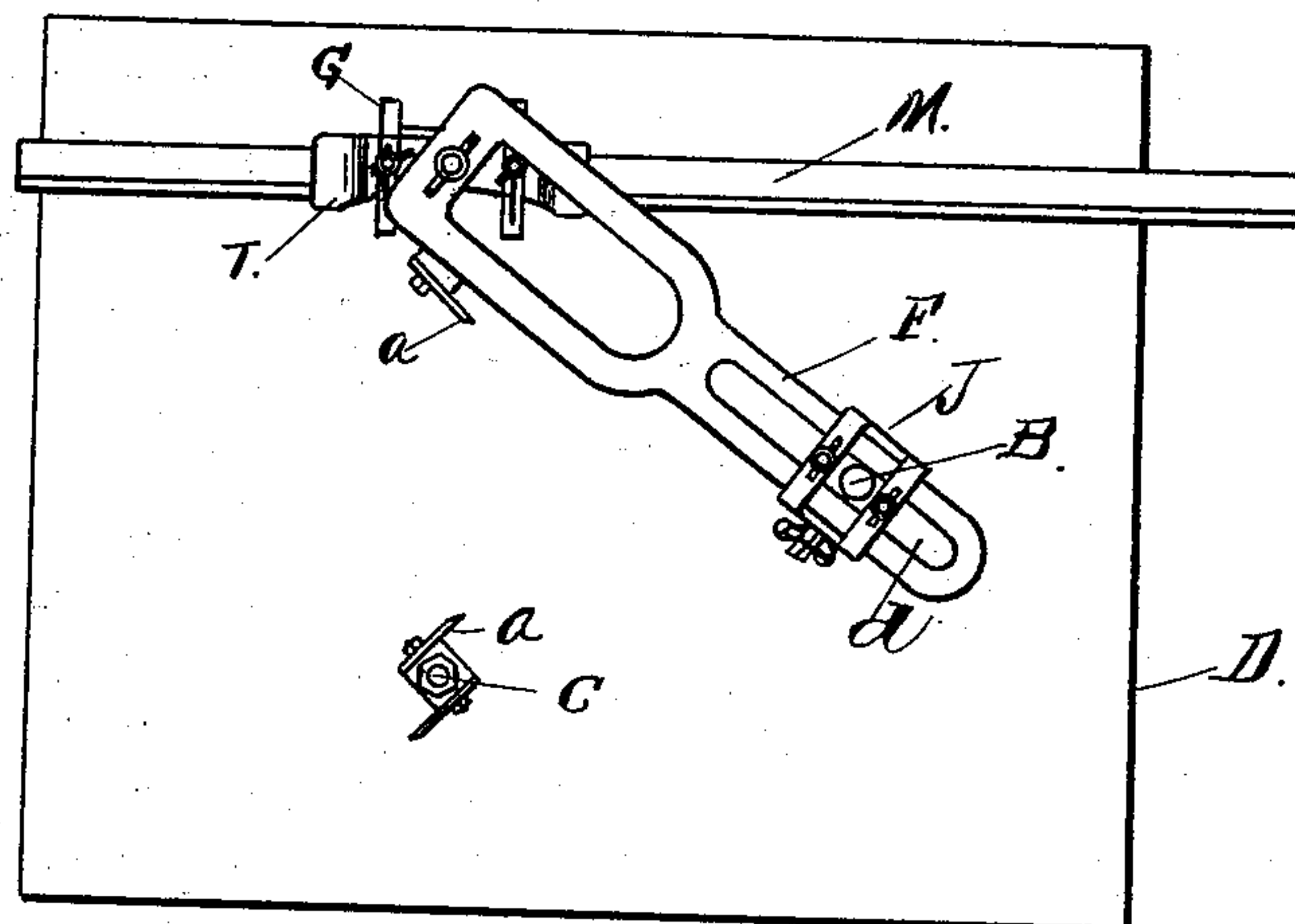


Fig. 2.



WITNESSES

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BY

Arnold & Barlow
ATTORNEYS.

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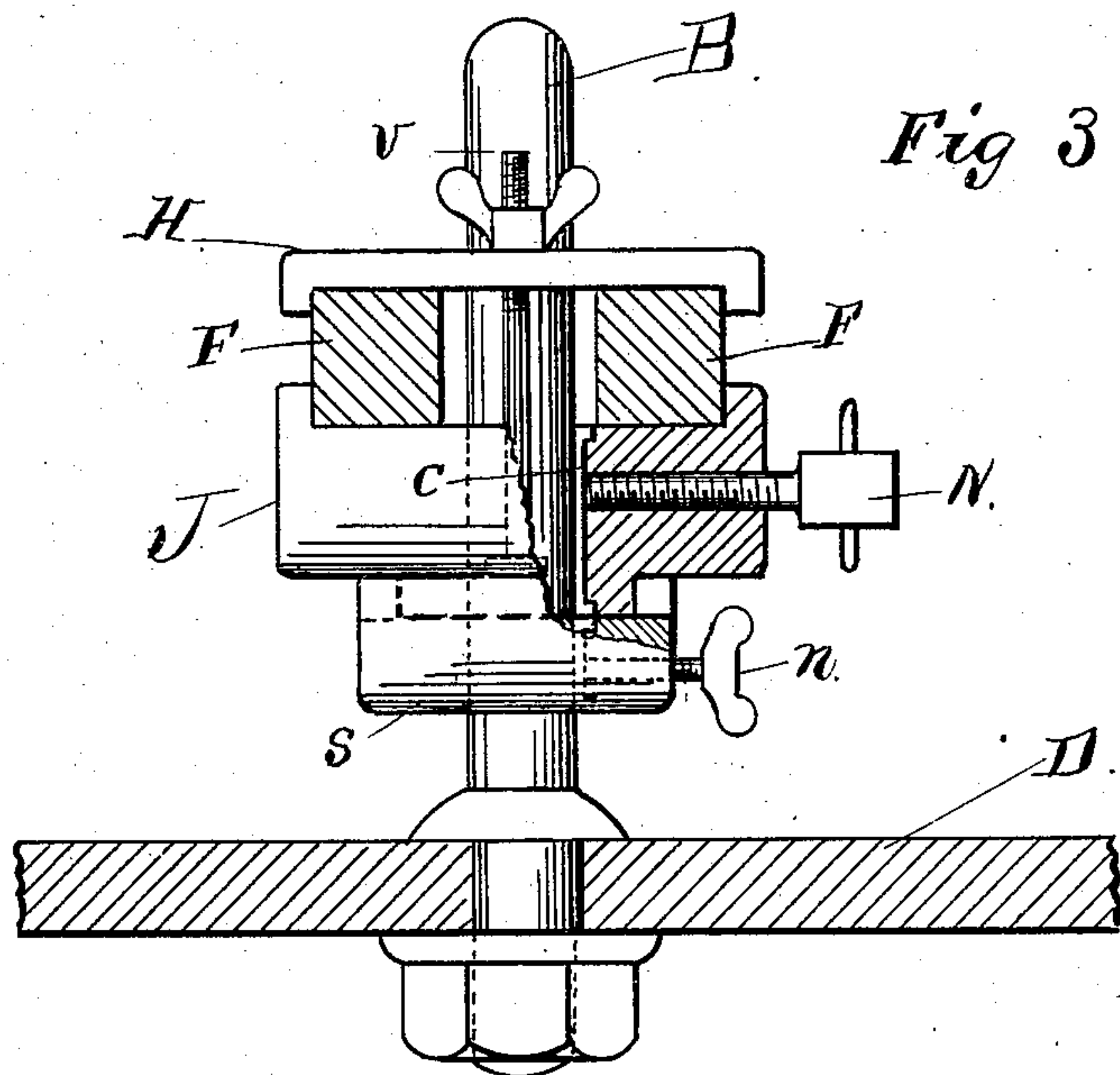


Fig. 3

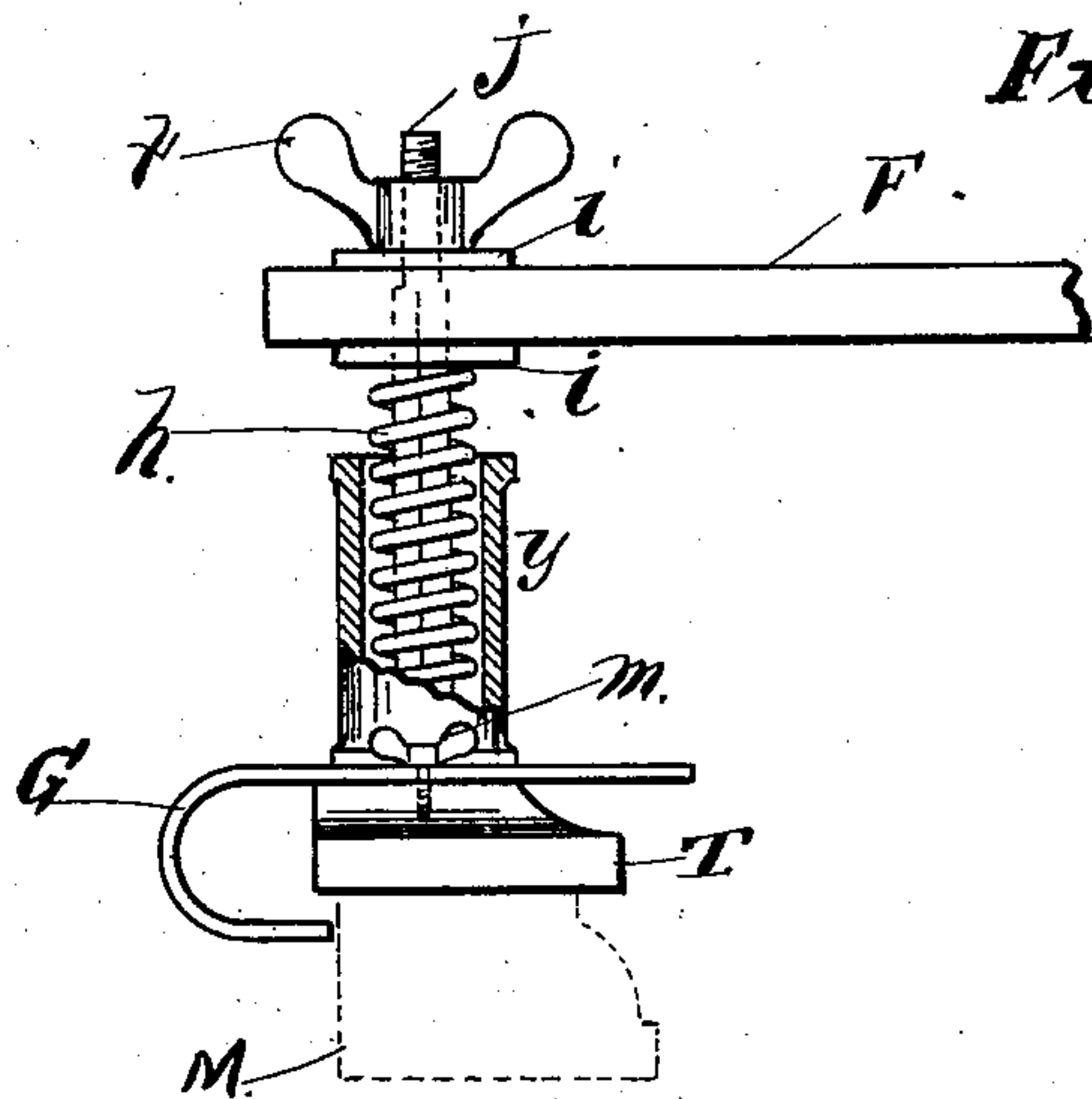


Fig. 4.

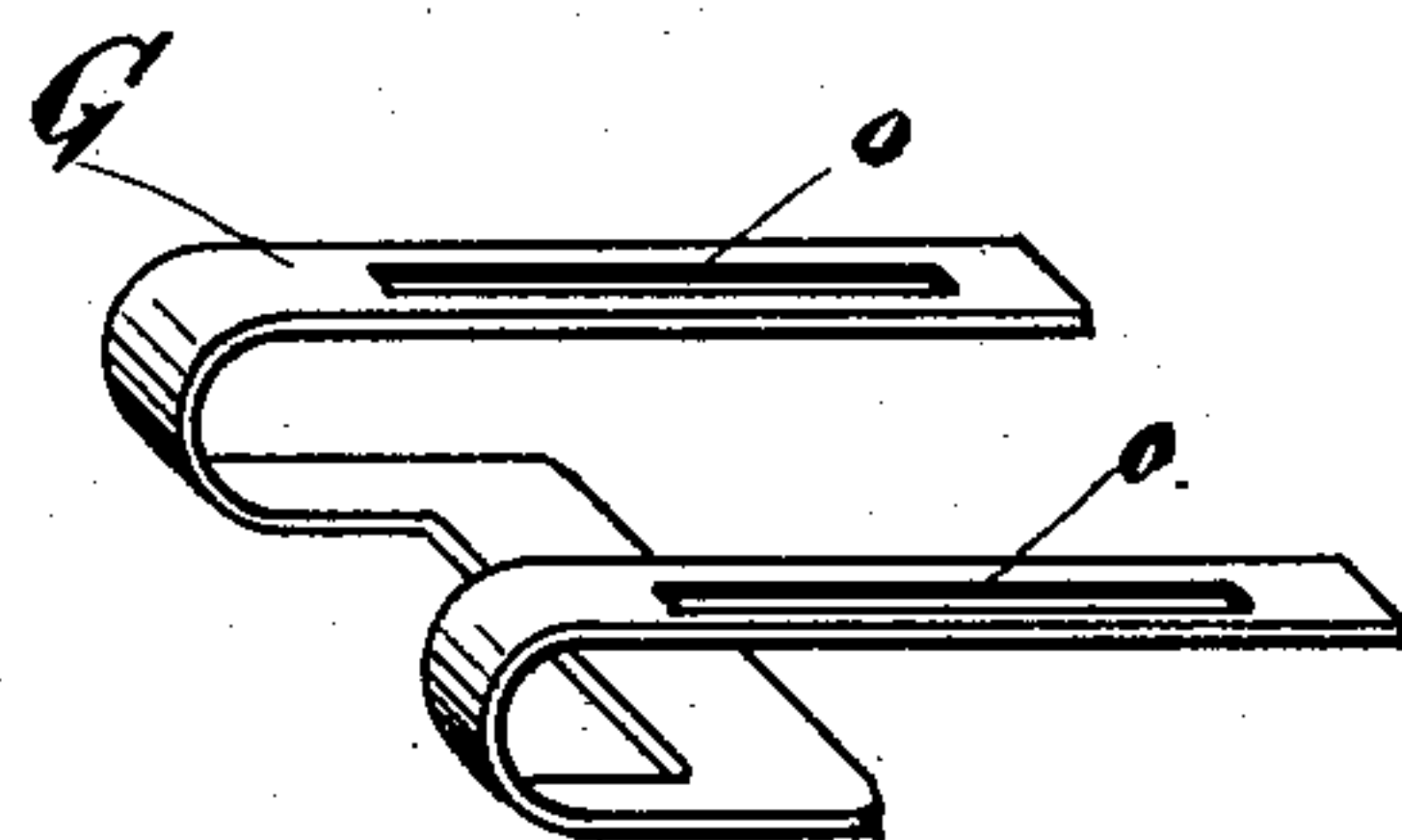


Fig. 5.

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UNITED STATES PATENT OFFICE.

ABBOTT L. STODDARD, OF PROVIDENCE, RHODE ISLAND.

GUIDE AND GUARD FOR VARIETY MOLDING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 604,946, dated May 31, 1898.

Application filed June 3, 1897. Serial No. 639,229. (No model.)

To all whom it may concern:

Be it known that I, ABBOTT L. STODDARD, of the city of Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Guides and Guards for Variety Molding-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to the class of molding-machines called "variety" molders.

It is fully explained and illustrated in this specification and the accompanying drawings.

Figure 1 represents an end elevation of a molding-machine with the improvement. Fig. 2 is a top view of the machine. Fig. 3 is an enlarged view of the standard that supports the guide, the arm and its clamps being shown partly in section. Fig. 4 represents the outer end part of the arm with its guide attachment, one side broken away. Fig. 5 is a perspective view of the guide-plate separate.

The object of this invention is to provide an attachment for the machine that shall serve as a guide for the work or piece of wood that is having the molding cut on it and act as a guard to save the hands of the operative while running the machine.

In Fig. 1, A is one of the two leg-frames upon which the table D is supported.

C C are two cutter-shafts held upright in bearings attached to one of the frames A. These shafts have the cutters *a a* on their upper ends and are provided with pulleys *e e* for driving them in the usual way.

A standard B is rigidly secured to the table D at about one-third its length in from one end. A block *s* is fitted to slide up and down on this standard and is provided with a thumb-screw *n*, fitted in one side of the block, to screw against the standard and hold the block at any desired height. The block *s* is rabbeted out on its top to receive a projection on the under side of a larger block J, also fitted to slide on the standard B. A tightening-screw N is fitted in one side of this block to press against a gib *c*, bearing on the standard, to hold the block firmly in place when set. This block J is also rabbeted out on

its upper side to receive the arm F, and a flanged cap H is fitted to lie on the top of the arm and is clamped to the block F by two screw-bolts *v v*, which have their heads let into the under side of the block J and extend up through the cap H, with screw-nuts on their upper ends bearing on the top of the cap. The arm F has a slot *d*, Fig. 2, made vertically through it to allow it to be set properly on the standard. The outer end of the arm F (see Fig. 4) has a plate *i* made fast on the top of the arm and a like plate *i* on the under side of the arm, with a square hole through the arm and plates, in which the bar *j* is fitted to slide and not turn. A foot T is made fast to the lower end of the bar *j* and is extended up in a tubular form *y* to receive an open spiral spring *h*, (see Fig. 4,) which presses the foot down from the bar F.

The guide-plate G consists of a lower horizontal plate, with a curved arm at each end turned up over to a horizontal position square to the plate below. These arms have slots *o o* made in them, through which thumbscrews *m m* pass to secure the plate G on the upper side of the foot T. In Fig. 1 the relative position of the guide-plate G to the piece of wood M that is being molded is readily seen. The lower part of the guide, curving in below the foot T, receives the pressure of the work M, guiding it and holding it up to be molded as it is pushed in, and by the cutter *a*. The arm F can be set up or down on the standard B to accommodate different thicknesses of work M, and it can also be swung around to any angle that may be found necessary or to use with the other cutter. The pressure of the foot T on the wood can be regulated by means of the thumb-nut *f* on the end of bar *j*, and the guide-plate G can be set to or from the cutter by means of the thumb-screws *m* in the slots *o o*.

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

1. In a molding-machine, the table, the standard rigidly secured thereto, the block *s* adjustably secured to the standard and provided with a recess in its top, a second larger block also adjustably clamped to the standard, and rabbeted to the lower one, and provided with a recess in its top, combined with a slot-

ted arm which is horizontally adjustable in relation to the standard and which arm supports at its outer end the slotted guide and its attachments, a cap placed upon the top of the
5 arm, and suitable clamping-bolts for securing the cap in any desired position upon the arm, substantially as shown.

2. In a molding-machine, a table, a standard rigidly secured thereto, and a horizontal
10 arm adjustably secured upon the standard, combined with a screw-rod *j* which is square at that portion where it passes through the slot in the upper end of the arm, suitable

washers applied to the arm, a thumb-screw, a spring applied to the rod below the arm, a foot 15 having a tubular portion to receive the lower end of the rod and the spring, and an adjustable slotted guide secured to the foot, substantially as set forth.

In testimony whereof I have hereunto set 20 my hand this 1st day of June, A. D. 1897.

ABBOTT L. STODDARD.

In presence of—

H. E. BARLOW,
BENJ. ARNOLD.