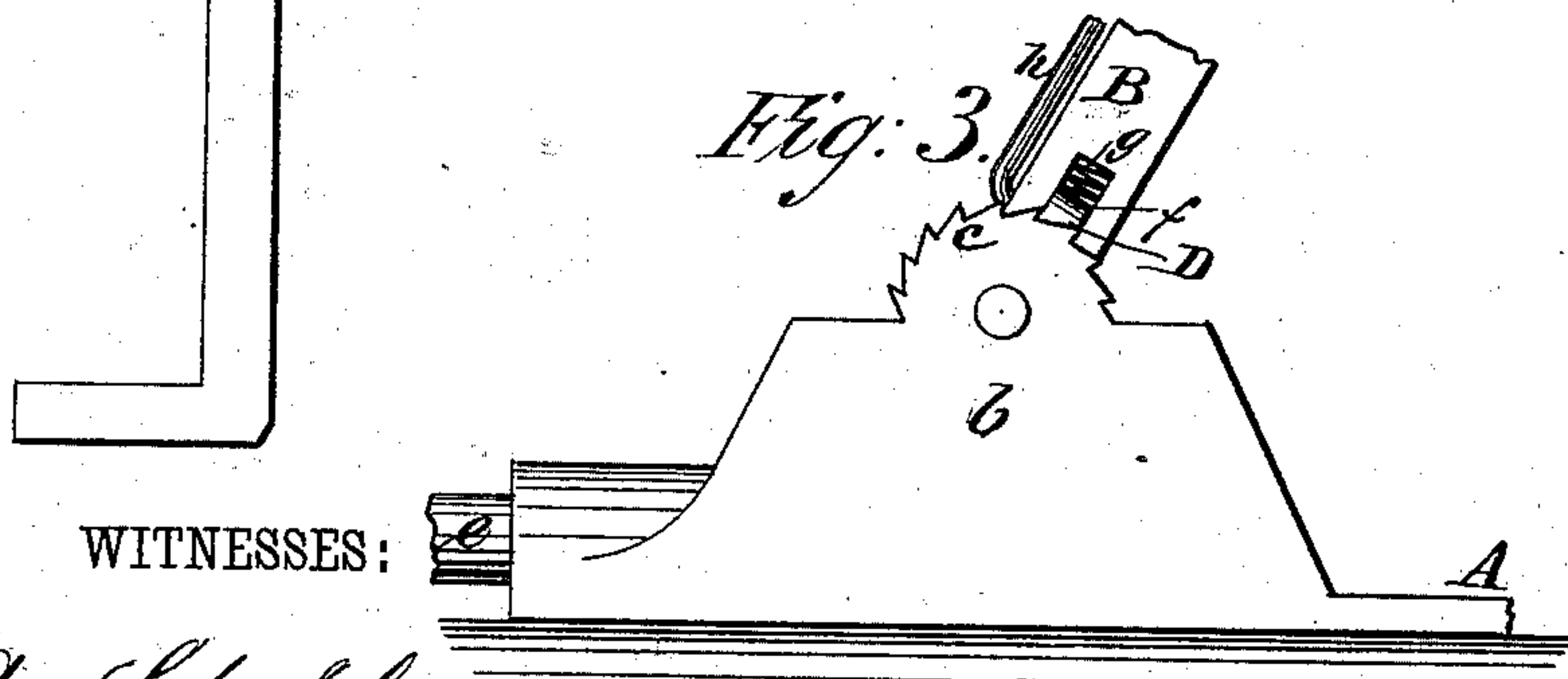
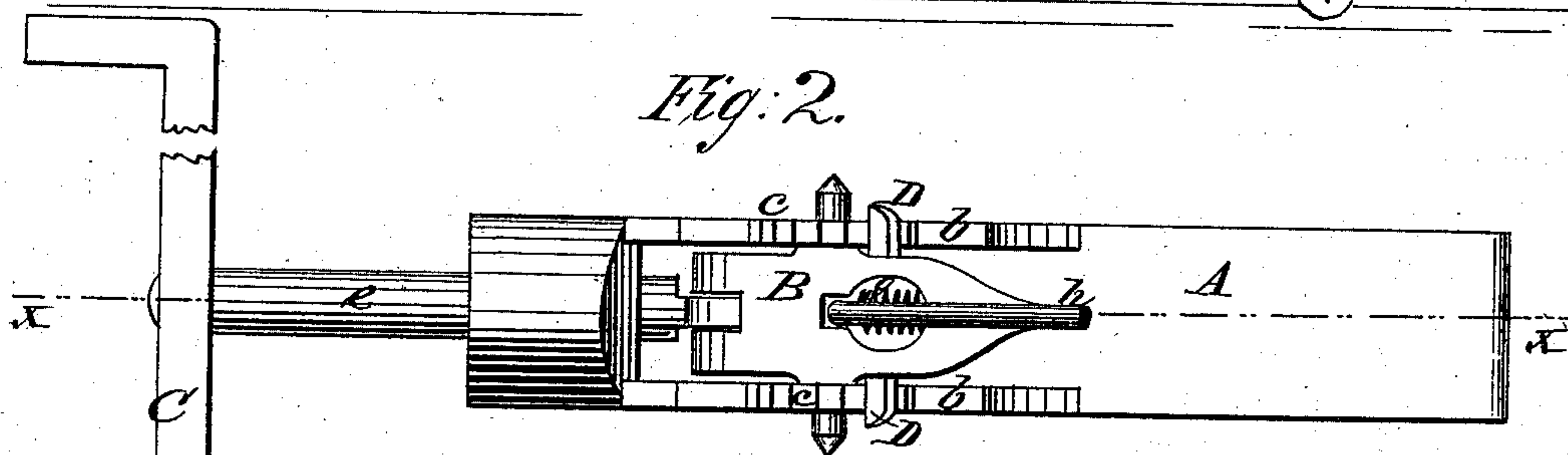
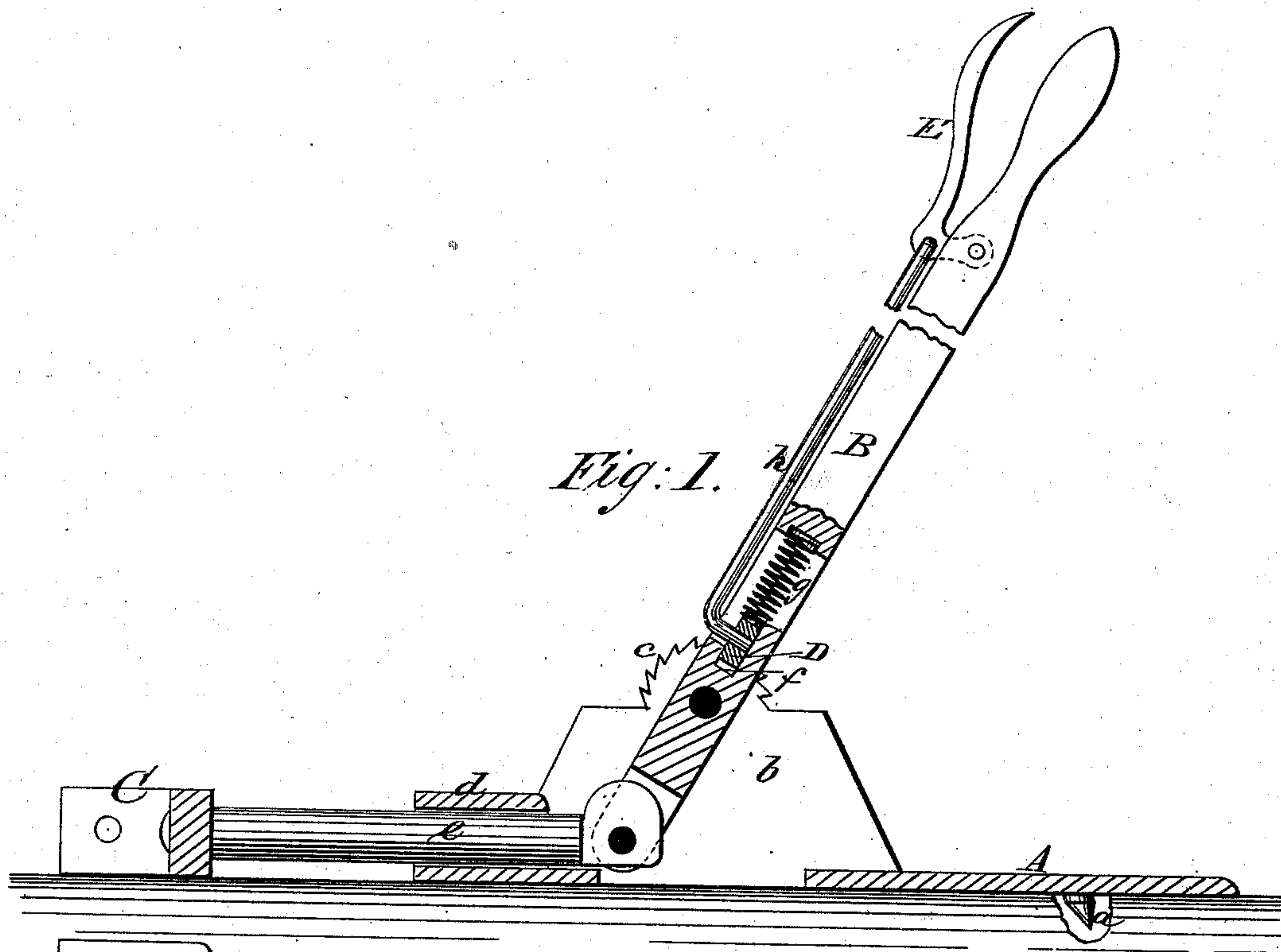


W. E. JONES & B. P. MYERS.  
Carpenter's Lever.

No. 221,828.

Patented Nov. 18, 1879.



WITNESSES:

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BY

# UNITED STATES PATENT OFFICE.

WILLIAM E. JONES AND BENJAMIN P. MYERS, OF JONES' STATION, OHIO.

## IMPROVEMENT IN CARPENTERS' LEVERS.

Specification forming part of Letters Patent No. **221,828**, dated November 18, 1879; application filed April 15, 1879.

*To all whom it may concern:*

Be it known that we, WILLIAM E. JONES and BENJAMIN P. MYERS, of Jones' Station, in the county of Butler and State of Ohio, have invented a new and Improved Carpenter's Lever, of which the following is a specification.

The object of this invention is to furnish a tool for facilitating the laying of floors, wainscoting, weather-boarding, and especially to overcome the difficulties attending the use of warped and crooked lumber.

The invention will be first described in connection with the drawings forming part of this specification, and then specifically pointed out in the claims.

In the accompanying drawings, Figure 1 is a vertical longitudinal section of the tool on line *x x* of Fig. 2. Fig. 2 is a top plan of the same, and Fig. 3 is a side elevation of the lever-connection.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A is the base-plate of the tool, having near its rear end a spur, *a*, projecting from its under side in position to take hold of the floor or beam on which it is placed, to furnish a bearing for the tool. Forward of this two jaws, *b b*, rise from the edges of the plate, on the upper edges whereof are semicircular ratchets *c c*, and forward of the jaws the plate is provided with a horizontal socket, *d*.

B is a lever, fulcrumed in the jaws *b* at the center of the ratchets *c*. Its lower end projects down and is pivoted to the end of the shaft *e*, which projects through the socket *d*, and is joined at its outer end to the clamp C.

A slot, *f*, is made transversely through the lever, and in this is placed a pawl, D, projecting out at both ends so as to rest upon and engage the ratchets *c*, it being kept in contact therewith by a spring, *g*, socketed in the lever, so that one end bears upon the pawl, as shown in detail in Fig. 1.

A rod, *h*, has its lower end bent down at right angles and fastened to the pawl D, while its upper end is pivoted to the lever E, fulcrumed near the upper end of lever B in a position to be conveniently operated by the hand of the party using the tool.

The tool is used as follows: A block of the lumber to be used is fitted in the clamp C and secured by screws passed through the clamp. The tool is then placed on a cross-tie, beam, joist, or floor, as the case may be, with the block held in the clamp bearing against the board to be forced into position. Now bear upon the lever B. This forces the spur *a* into the wood it bears upon, owing to the pressure exerted upon the frame of the tool by the clamp, and at the same time the direct pressure of the lever upon the board to be placed is exerted through the block in the clamp C, and thus the board is forced into place.

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

1. As an improvement in carpenters' levers, the clamp C on the shaft *e*, held in the socket *d*, in combination with the lever B, fulcrumed in the jaws *b*, and base-plate A, provided with a spur, *a*, on its under side, to take hold of the floor or beam on which it is placed, whereby a tool is provided for forcing boards, &c., into place, substantially as described.

2. The lever B, with spring-pawl D, operated by lever E through rod *h*, in combination with the semicircular ratchets *c c* on the jaws *b*, the base-plate A, with spur *a*, shaft *e* in socket *d*, and clamp C, attached to said shaft, substantially as described.

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BENJAMIN P. MYERS.

Witnesses:

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