

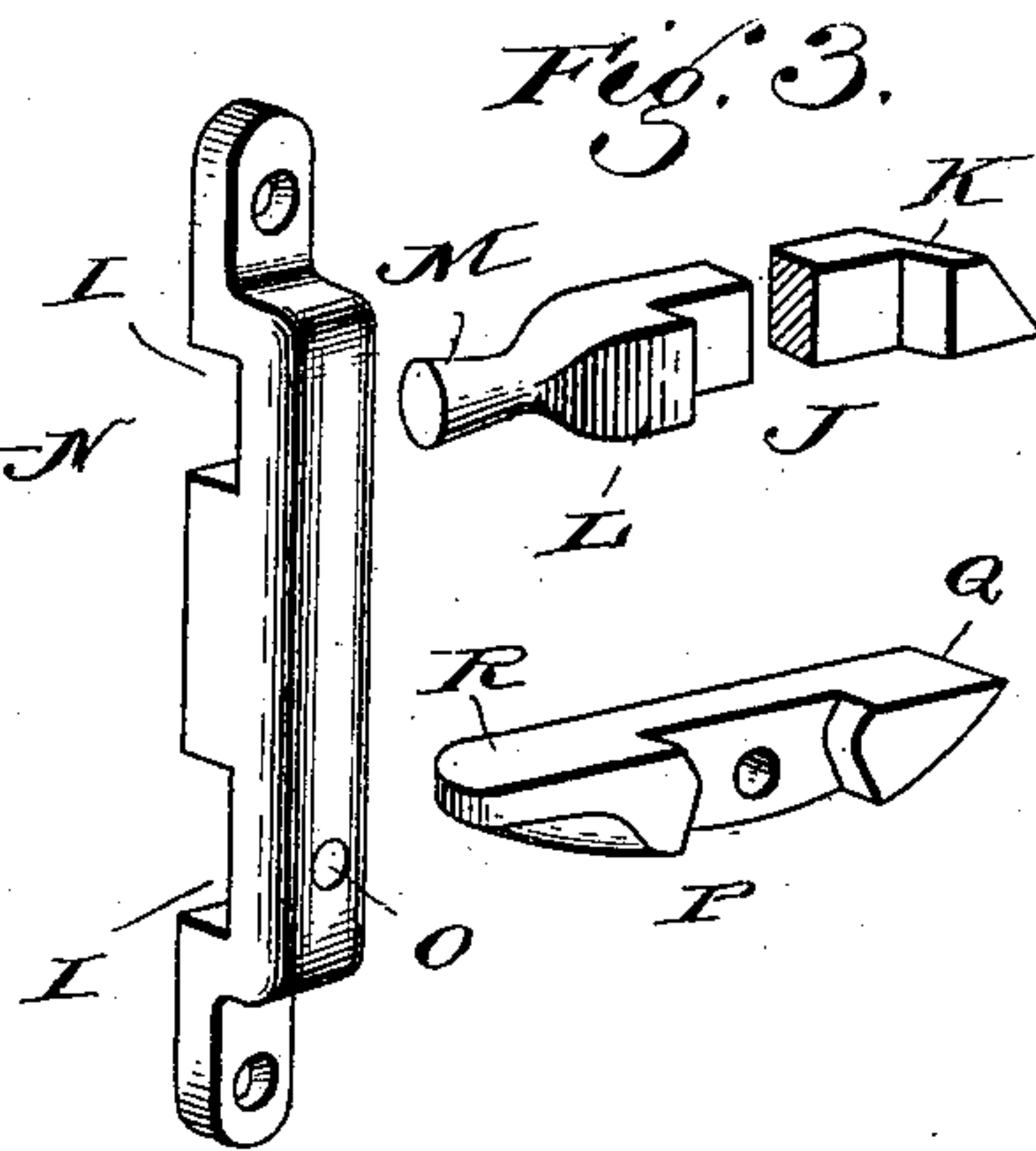
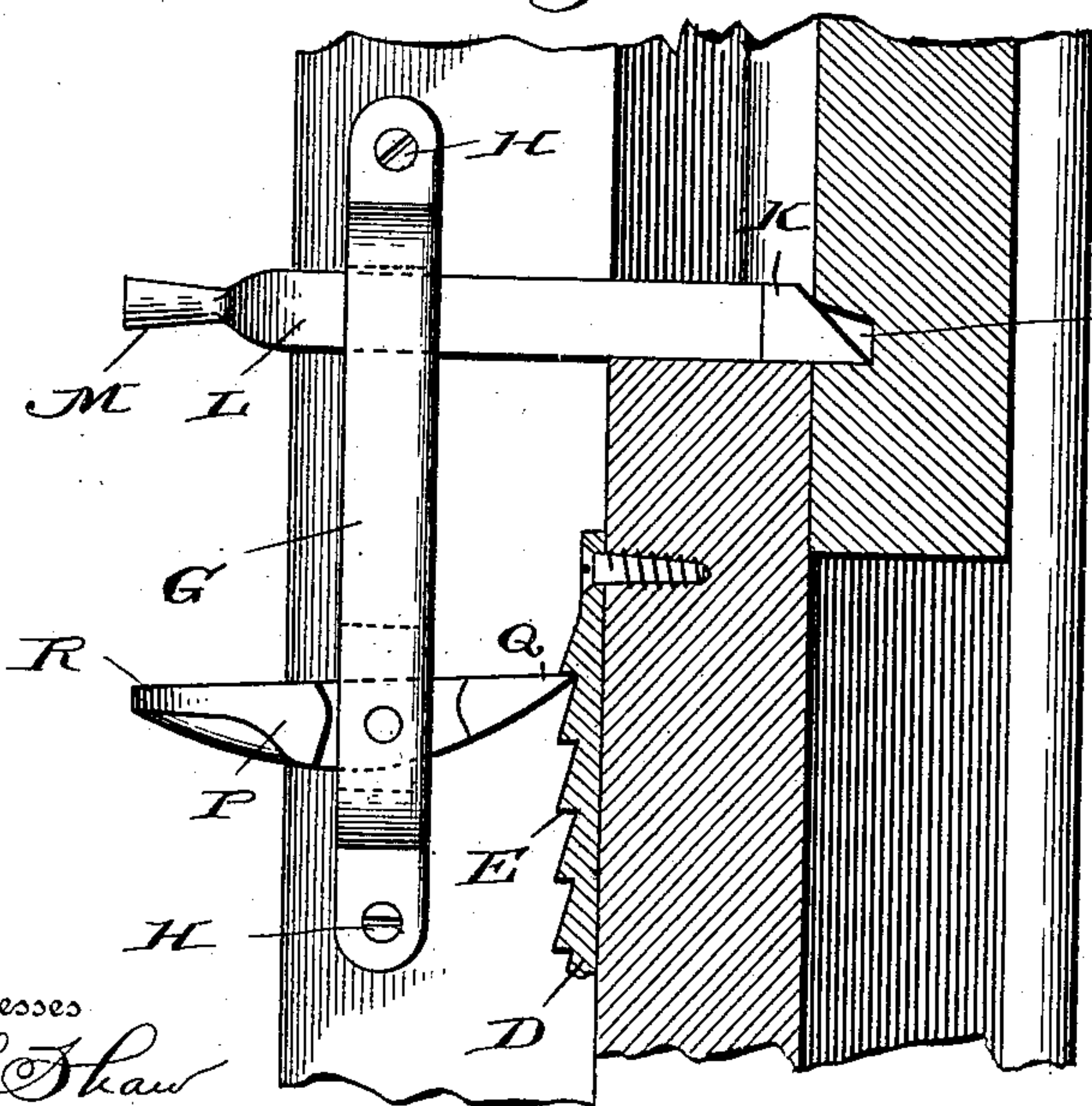
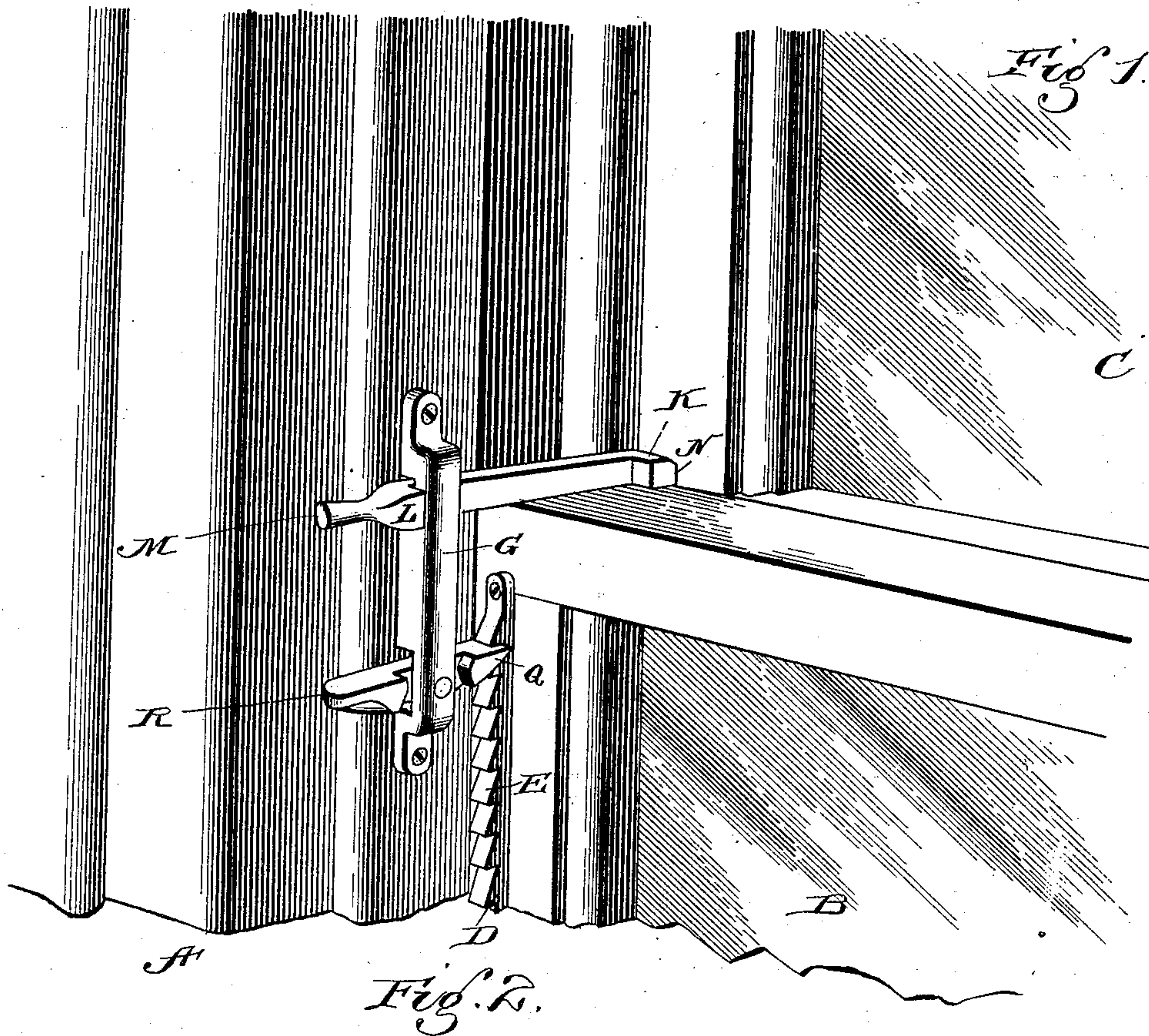
No. 696,073.

Patented Mar. 25, 1902.

J. O'DONNELL.  
SASH STOP AND FASTENER.

(Application filed Dec. 31, 1900.)

(No Model.)



Witnesses

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# UNITED STATES PATENT OFFICE.

JAMES O'DONNELL, OF RHINELANDER, WISCONSIN.

## SASH STOP AND FASTENER.

SPECIFICATION forming part of Letters Patent No. 696,073, dated March 25, 1902.

Application filed December 31, 1900. Serial No. 41,709. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES O'DONNELL, a citizen of the United States, residing at Rhinelander, in the county of Oneida and State of Wisconsin, have invented a new and useful Sash Stop and Fastener, of which the following is a specification.

This invention relates to improvements in sash stops and fasteners; and the object is to provide a stop for holding the sash at the desired elevation with respect to the window-frame and also improved means for locking the two sashes closed, the construction being exceedingly simple and convenient in operation and capable of being readily applied to the window.

With the above object in view the invention consists in the novel features of construction hereinafter fully described, particularly pointed out in the claim, and clearly illustrated by the accompanying drawings, in which—

Figure 1 is a perspective view of the inner side of the window, showing my invention applied thereto; Fig. 2, a vertical longitudinal sectional view of the same, showing the two sashes locked closed; and Fig. 3 a perspective view of the casting, the locking-bolt, and the pivoted stop carried thereby detached from the window.

Referring now more particularly to the drawings, A designates the frame of a window, B the lower sash, and C the upper sash. Secured to one of the side rails of the lower sash is a plate D, formed with teeth E in longitudinal alinement, said teeth each having an inclined and a straight face, the former being inclined inwardly and upwardly and the latter being disposed at the lower ends thereof. This plate is secured to the sash in any preferred manner, screws being shown in the present instance for effecting said attachment.

Secured to the inner side of the window-frame and in close proximity to the plate D is a casting G. This casting is preferably secured to the window-frame by screws H and has its upper end extending a short distance above the upper end of the lower sash. Said casting is formed adjacent to its respective ends with slots or recesses I, extending transversely therethrough, the upper recess

being so disposed that its lower wall is in line with the upper end of the lower sash. Sliding in said upper recess or slot I is a locking-bolt J, said bolt being formed on its inner end with a laterally-disposed head K and on its outer end with a laterally-disposed enlargement L and a handle portion M. The intermediate portion of this bolt is of such size as to permit the bolt to freely move back and forth in its slot, which movement is limited in both directions by the head K, which forms a shoulder at one end of the intermediate portion, and the enlargement M, which forms a shoulder at the other end thereof. Said bolt is moved inwardly across the top of the lower sash, and its head is adapted to enter a suitable opening N, formed in the lower end of the upper sash. Thus said bolt prevents the upward movement of the lower sash and the downward movement of the upper sash.

Intermediately pivoted by a screw or pin O in the lower recess or slot I of the casting is a stop P. This stop P is provided with an intermediate reduced portion, which is pivoted in the slot I and on its inner end is formed with a pointed engaging portion Q. This engaging portion slips from one tooth to the other as the lower sash is raised and by the contact therewith of the straight face of any one of said teeth holds the sash at the desired elevation. The length of the stop from its pivotal point to the outer end of its engaging portion is such that the downward pressure caused by the weight of the sash tends to force the stop inwardly, and this inward movement being prevented by the pivotal pin the sash is securely held at the desired elevation. Said stop is formed on its outer end with a finger portion R, by means of which it may be disengaged from the teeth of the rack-bar or toothed plate by downward pressure when it is desired to lower the sash, it being understood that in order to disengage the stop from the rack it is necessary to raise the sash slightly, when it can be swung out of the path of the rack.

From the above description it will be seen that I have provided a very simple construction of locking means and stop for window-sash, the same consisting of but few parts and dispensing entirely with the use of springs.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

As an improved article of manufacture, a  
5 sash-fastener comprising in combination a casting provided with fastening-ears, and formed with transverse parallel recesses, a locking-bolt slidable in one of the recesses, said bolt having a beveled forward end, a handle

at the rear end, and stop-shoulders adjacent to the front and rear ends, a pawl pivoted in the other recess, and a ratchet-plate adapted to be arranged for engagement with the pawl, substantially as shown and described.

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Witnesses:

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