

J. S. RODIGRASS.

FASTENERS FOR THE MEETING RAILS OF SASHES.

No. 177,426.

Patented May 16, 1876.

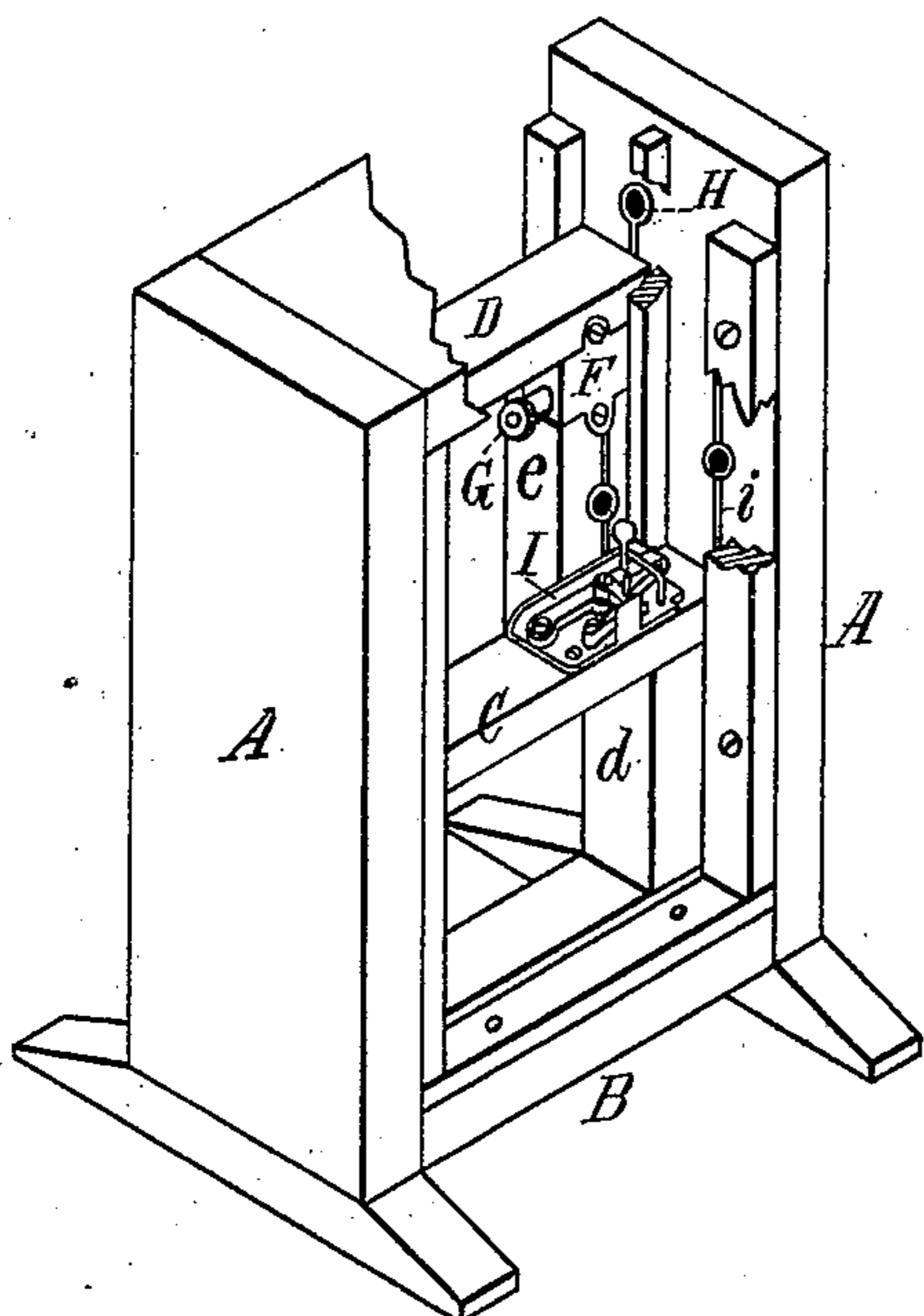


Fig. 1.

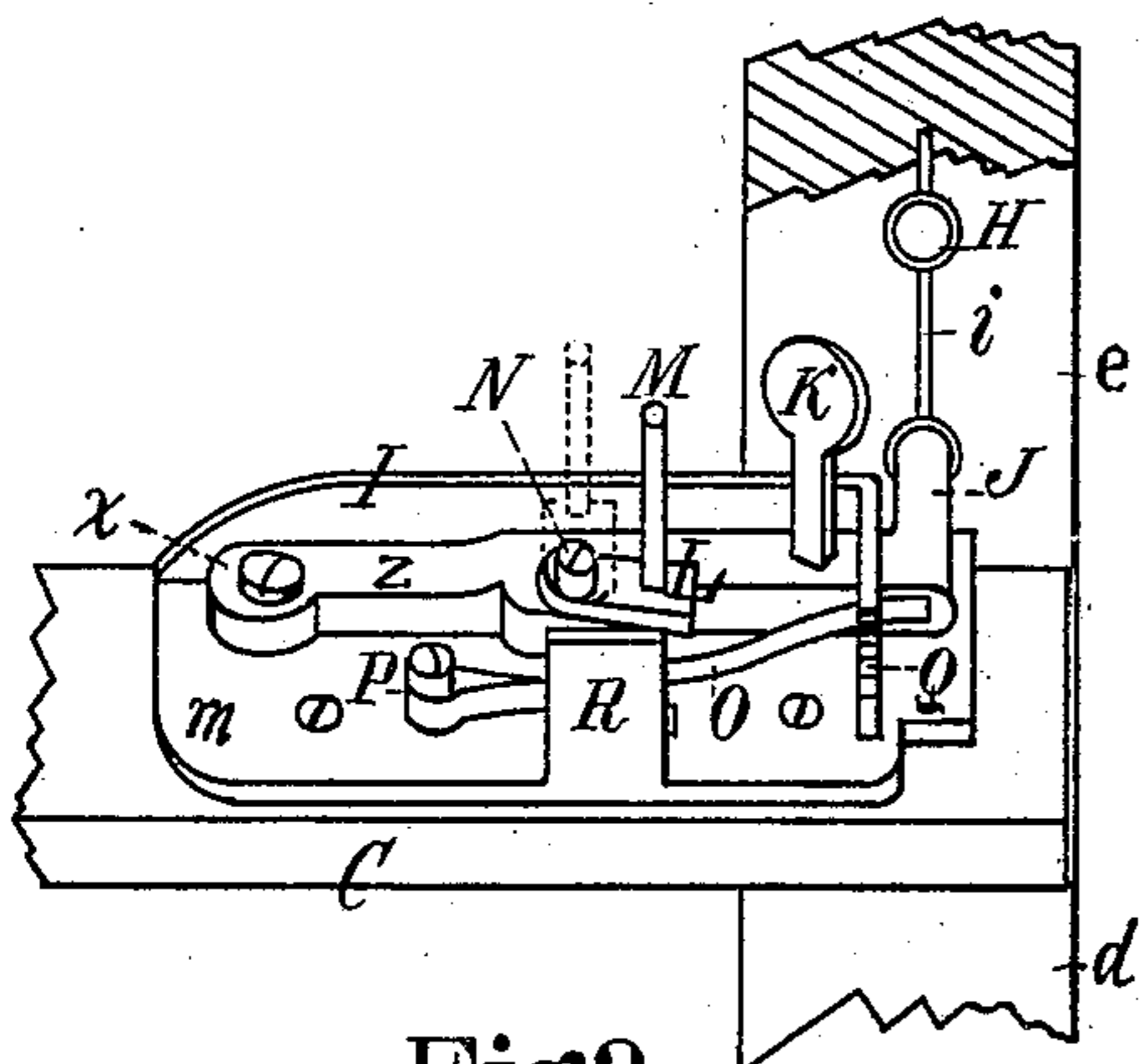


Fig. 2.

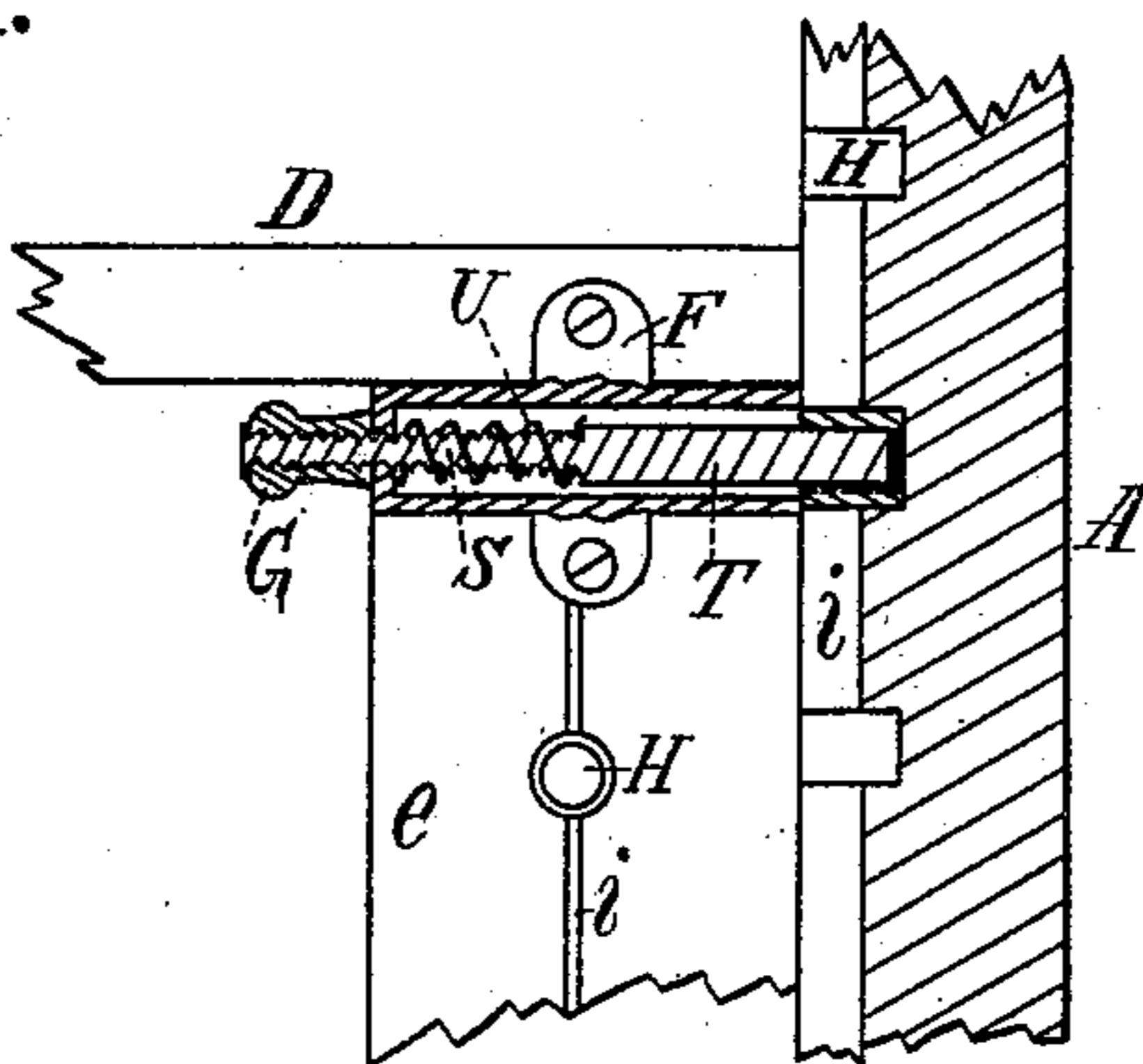


Fig. 3.

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JOHN S. RODIGRASS, OF SALEM, MASSACHUSETTS.

IMPROVEMENT IN FASTENERS FOR THE MEETING-RAILS OF SASHES.

Specification forming part of Letters Patent No. **177,426**, dated May 16, 1876; application filed April 5, 1876.

To all whom it may concern:

Be it known that I, JOHN S. RODIGRASS, of Salem, in the county of Essex, State of Massachusetts, have invented a certain new and useful Improvement in Window-Sash Fasteners, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is an isometrical perspective view, showing the fastener in use; Fig. 2, an enlarged view of the fastener and a portion of the upper sash; and Fig. 3, a sectional view, showing the auxiliary fastener.

Like letters of reference indicate corresponding parts in the different figures of the drawing.

My invention relates to that class of fasteners which are designed to be attached to the lower meeting-rail of the sash; and consists in a novel construction, combination, and arrangement of the bed-plate, lever, stops, spring, locking-bolt, &c., as hereinafter more fully set forth and definitely claimed, by which a simple, cheap, and effective device of this character is produced.

The nature and operation of my invention will be readily obvious to all conversant with such matters from the following description.

In the drawing, A represents the window-frame; B, the sill; C, the meeting-rail, and *d* the side rail, of the lower sash.

The body or bed-plate of the fastener consists of an elongated metallic plate, *m*, provided with a vertical flange or guard, I, upon its inner side, and with the stop R.

Pivoted at *x* to the plate *m* there is a horizontally-arranged lever, *z*, provided with the laterally-projecting bolt J. This lever is furnished with the vertical stud or thumb-piece K, and carries the short lever or locking-bolt L, which is pivoted to the lever *z* at N, and provided with the upwardly-projecting stud M.

A long flat spring, O, is secured at P to the plate *m*, and acts expansively against the back of the lever *z*, to force the bolt J into the holes H in the side rail of the upper sash. A thin metallic strip, *i*, is let into the wood of the rail between the holes, to prevent the bolt from injuring the rail as the sash is moved up or down.

An auxiliary fastener, consisting of the bolt

T, provided with the spring U, is inserted near the top of the side rail *e*. This bolt is fitted to work in an ordinary casing, F, its outer end S being reduced in size, and threaded to receive the thumb screw or nut G. It is also designed to enter a series of holes, H, formed in the ways or rundlet of the casing A, and connected by a metallic rib or strip, *i*, after the manner of those formed in the rail *e* to receive the bolt J.

In the use of my improvement the bed-plate *m* is attached to the top of the lower meeting-rail of the sash, near the side rail *d*, or in such a position that the bolt J will readily enter the holes H in the side rail *e* of the upper sash D.

The object of the lever L is to lock the bolt J either in or out of the holes H in the side rail *e*, as desired. This is accomplished by turning the lever upon its pivotal support N by means of the stud M, bringing it into contact with the stop R, to hold the bolt in position, or keep it in one of the holes and against the flange I, to keep it withdrawn.

It will be obvious that the upper sash may be partially lowered, and the lower sash partially raised, and when they are in this position the two sashes may be coupled together by the bolt J, and moved up or down conjointly, the bolt T enabling the united sashes to be secured in any desired position, and also acting to fasten the upper sash in its place when it is detached from the lower. The bolt may be withdrawn and retained in that position by turning on the nut G.

Having thus explained my invention, what I claim is—

1. The improved sash-fastener described, consisting of the body or bed-plate *m*, provided with the stop R and flange I, the lever *z*, provided with the bolt J, stud K, and spring O, and the locking-lever L, provided with the stud M, constructed and arranged to operate substantially as set forth and specified.

2. The rail *e*, provided with the holes H and strips *i*, in combination with a window-fastener having the lever *z*, bolt J, stop R, and flange I, substantially as set forth and specified.

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