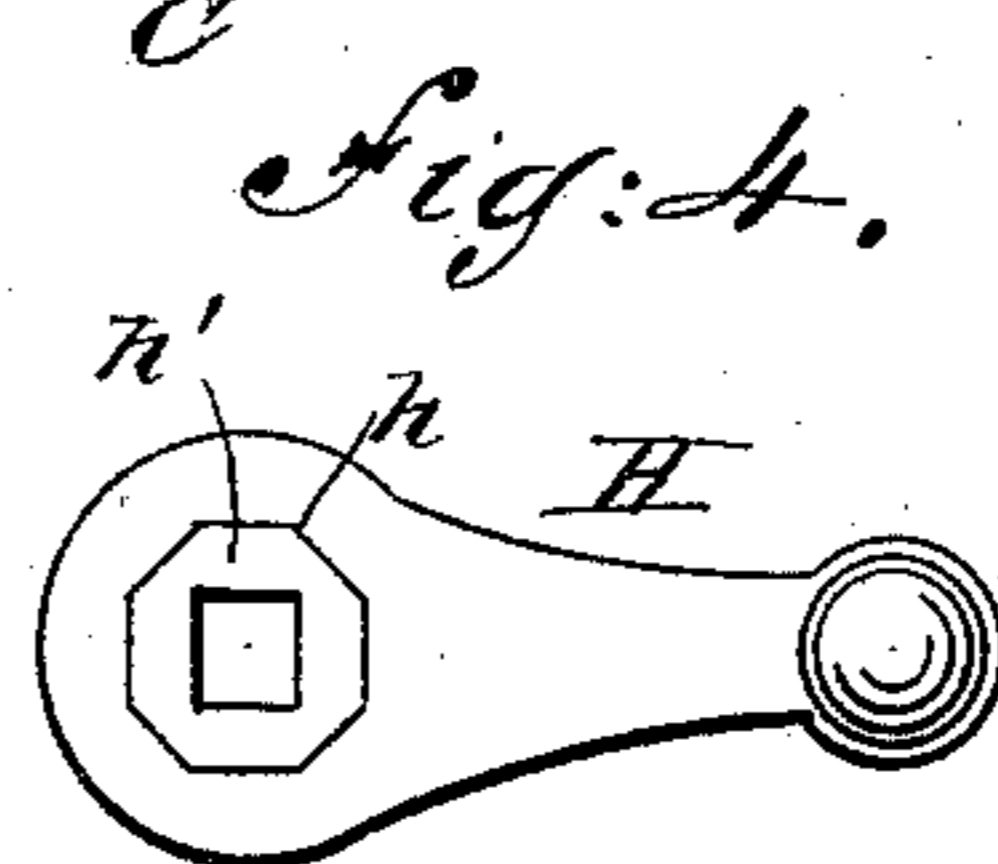
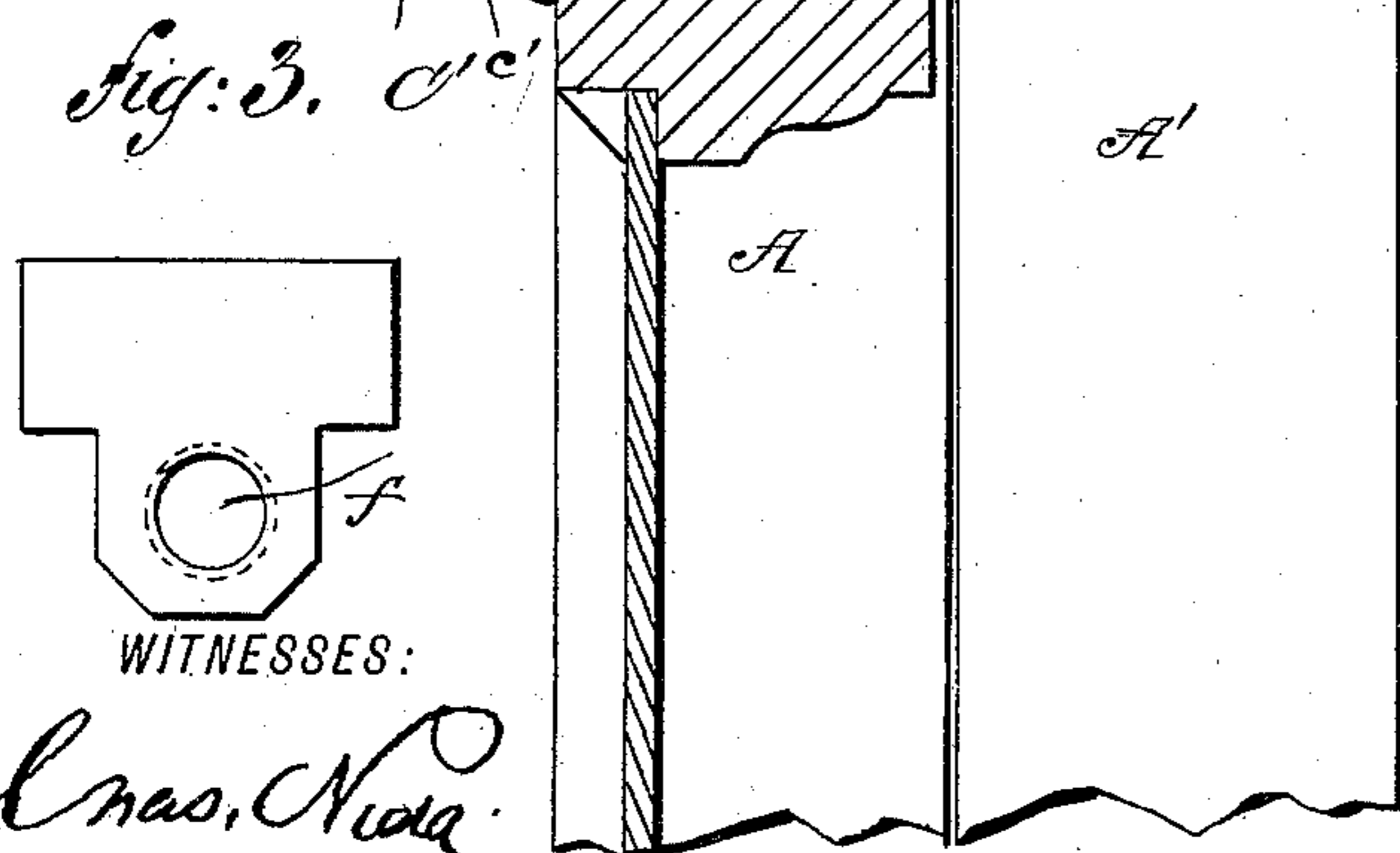
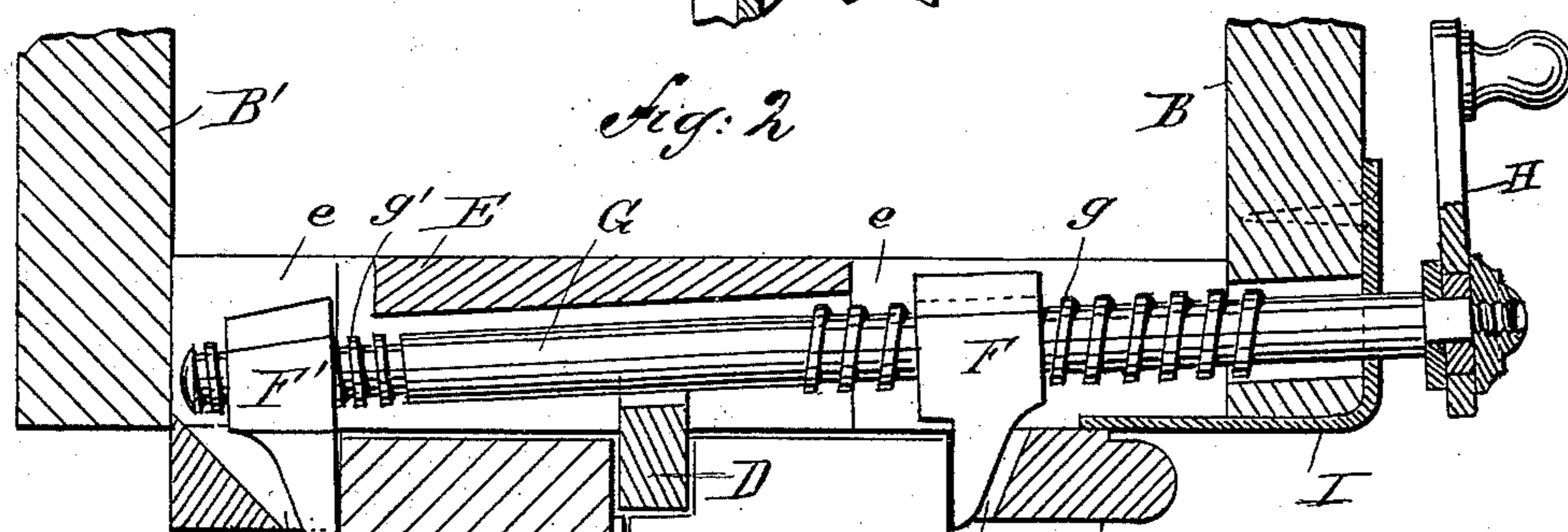
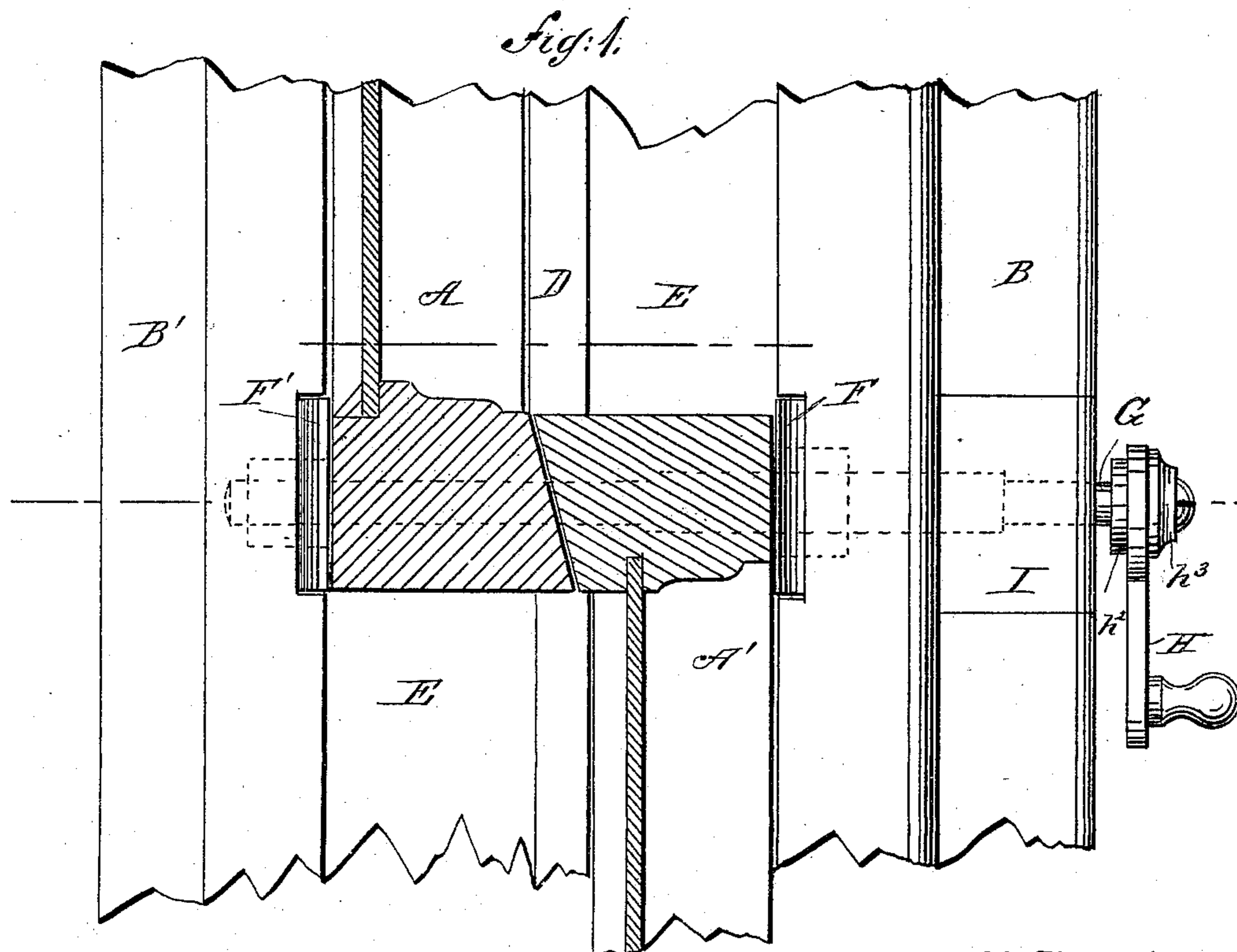


(No Model.)

R. P. WADDELL.  
SASH HOLDER.

No. 405,512.

Patented June 18, 1889.



WITNESSES:

*Chas. Nida*  
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# UNITED STATES PATENT OFFICE.

RALPH PETER WADDELL, OF ALAMEDA, CALIFORNIA.

## SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 405,512, dated June 18, 1889.

Application filed February 28, 1889. Serial No. 301,549. (No model.)

*To all whom it may concern:*

Be it known that I, RALPH PETER WADDELL, of Alameda, in the county of Alameda and State of California, have invented a new and Improved Sash-Lock, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved lock that will maintain the sashes in any given position and prevent them from being raised or lowered from the outside.

The invention consists of the novel details of construction and arrangement of the several parts, as will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a partial vertical section through the upper and lower sashes of a window at the meeting-rails, showing my improved sash-lock applied to the window-frame. Fig. 2 is a horizontal section through one side of a window and frame above the meeting-rails of the sash. Fig. 3 is a face view of one of the clamps, and Fig. 4 is an end or face view of the operating-handle for turning the spindle.

A A' represent, respectively, the upper and lower sashes of a window; B B', the inner and outer casings; C C', the inner and outer stop-beads; D, the parting-strip, and E the jamb of the window. The sash-locking clamps F F' are let into a recess *e* in the jamb E, and project into recesses *c c'* in the stop-beads C C', their faces being flush with the inner faces of the said stop-beads. The clamps are formed with a threaded aperture *f*, and are mounted on the reversely-threaded spindle G, the clamp F' on the right threads *g'* and the clamps F on the left threads *g*, whereby they simultaneously move toward each other, clamping the sashes against the parting-strip when the spindle is turned to the right, and will recede when the spindle is turned to the left.

The spindle G has a bearing at its one end in the plate I, that closes the end of the recess in which said spindle rotates, and its opposite

end is supported by the clamp F', which rests against the walls of the recess *e*. The spindle is turned by means of the handle H, that is secured to the outer squared end of the same. The handle is formed with a six-sided or eight-sided hole *h*, by which it is fitted onto a correspondingly-shaped collar *h'*, that is fitted on the squared end of the spindle between the washer *h<sup>2</sup>* and nut *h<sup>3</sup>*. By fitting the handle on the many-sided collar *h'* its position can be changed when required, should it be in a position other than pendent from the spindle when the clamps are in the tightened position on the sashes. The handle when not pendent might interfere with the window-blinds, to avoid which is the object of providing for changing its position on the spindle.

My improved sash-lock enables either or both sashes to be supported and locked in various positions and without marring the sash. In most cases the lock will make sash-weights unnecessary, and in all cases will effectually prevent rattling, and can be used on any thickness of sash by turning one of the clamps back or forward, as required.

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

1. In a sash-lock, the combination of the spindle G, having the right and left hand threads *g g'*, and fitted for rotation in the jamb of a window, and the clamps F F', mounted on the said spindle and adapted to engage the inner and outer sash, respectively, substantially as herein shown and described.

2. The combination, with the clamps F F' and the reversely-threaded spindle G, on which said clamps ride, of the many-sided collar *h'* on said spindle, the handle H, having hole *h*, corresponding to collar *h'*, and receiving the collar and the nut *h<sup>3</sup>* on the spindle, substantially as shown and described.

RALPH PETER WADDELL.

Witnesses:

J. B. VOSBURGH,  
H. W. RAY.