

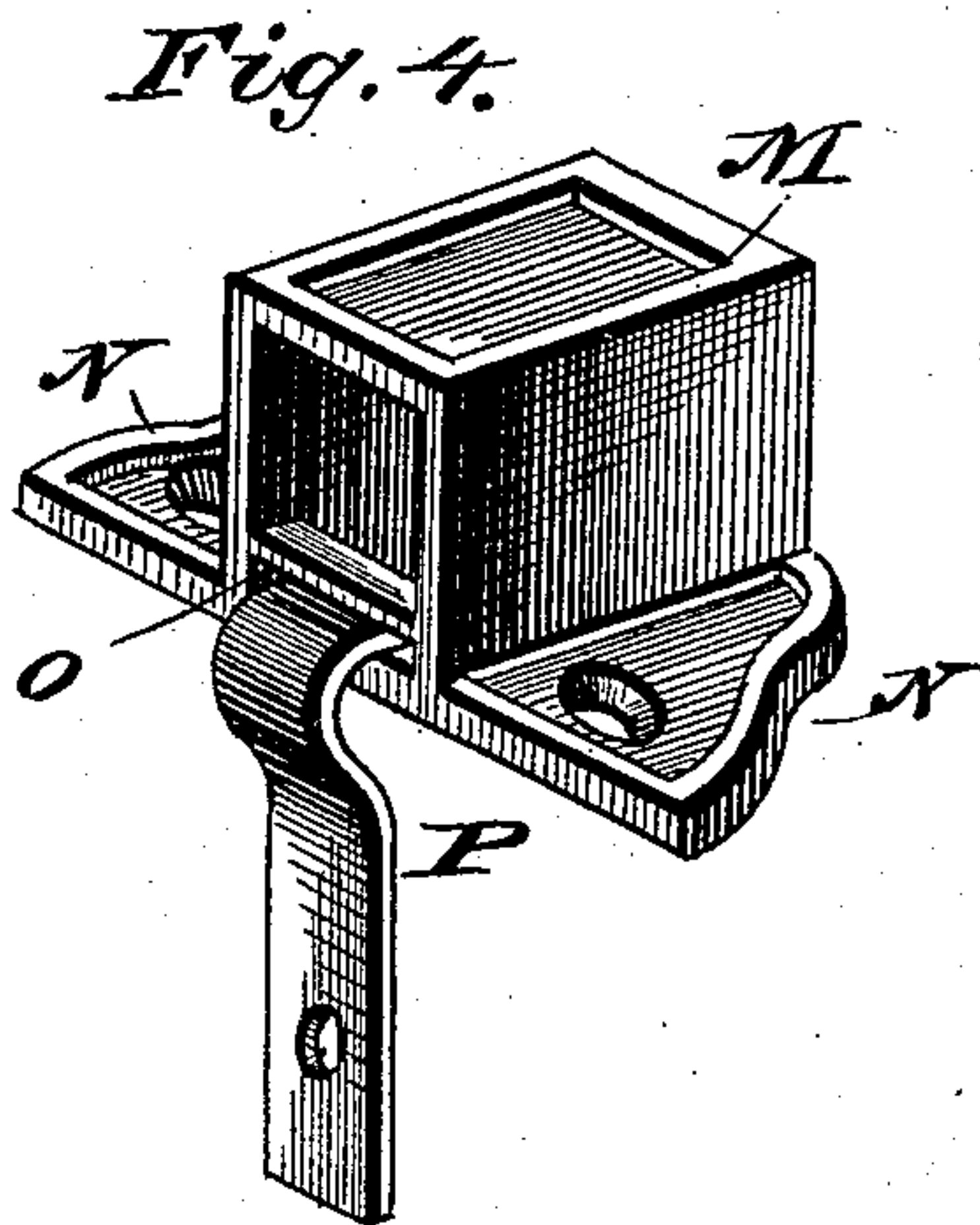
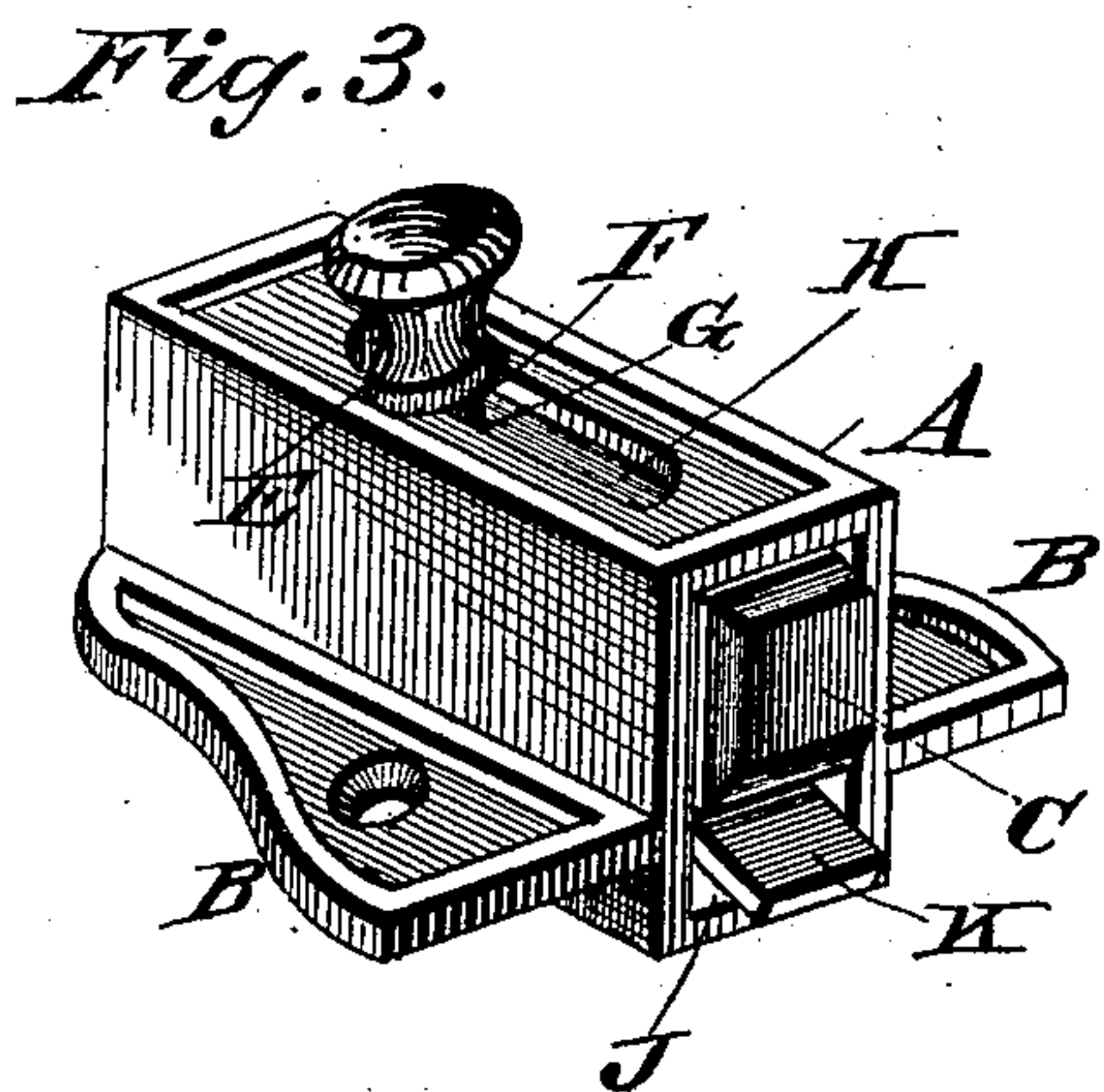
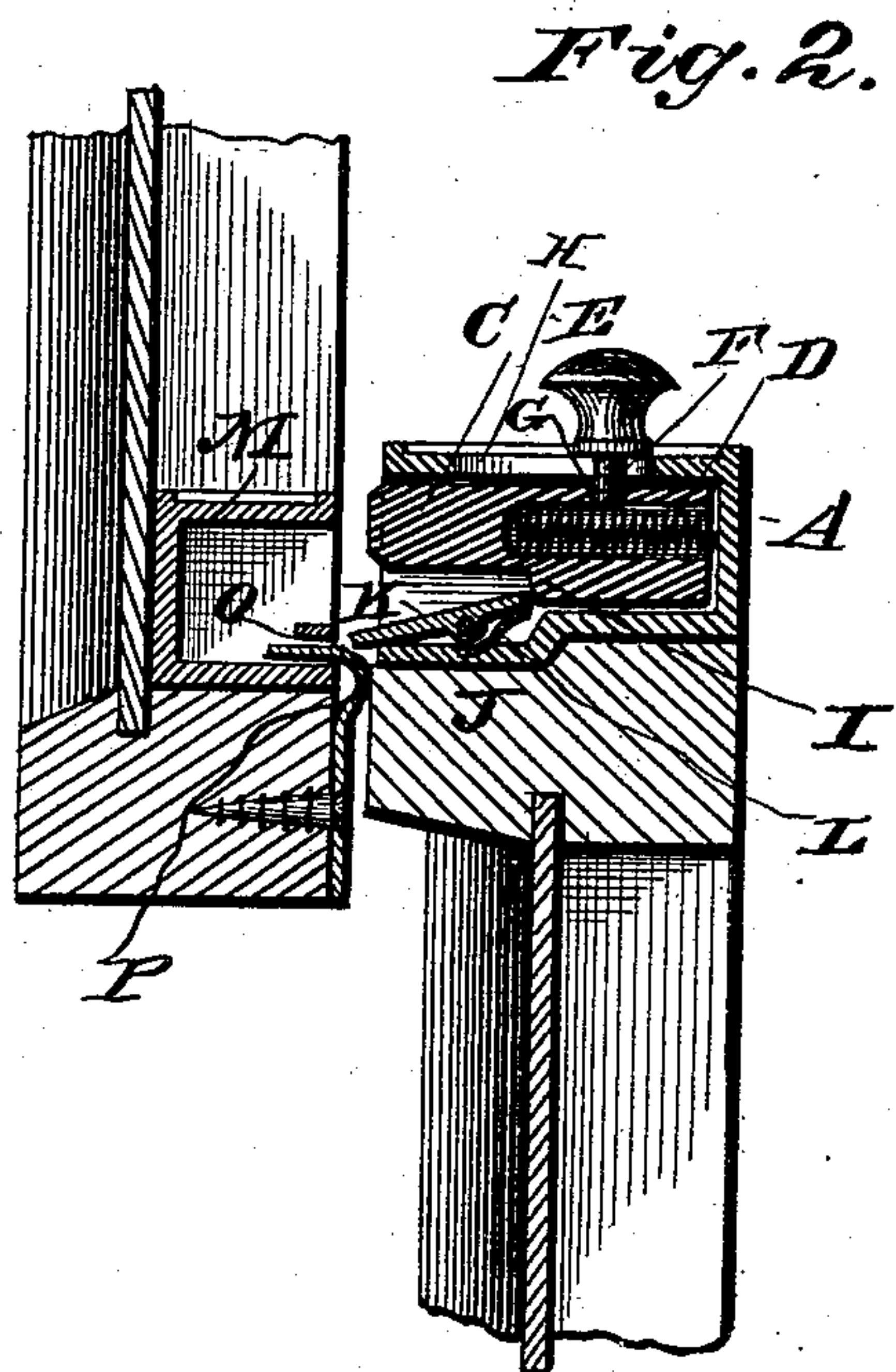
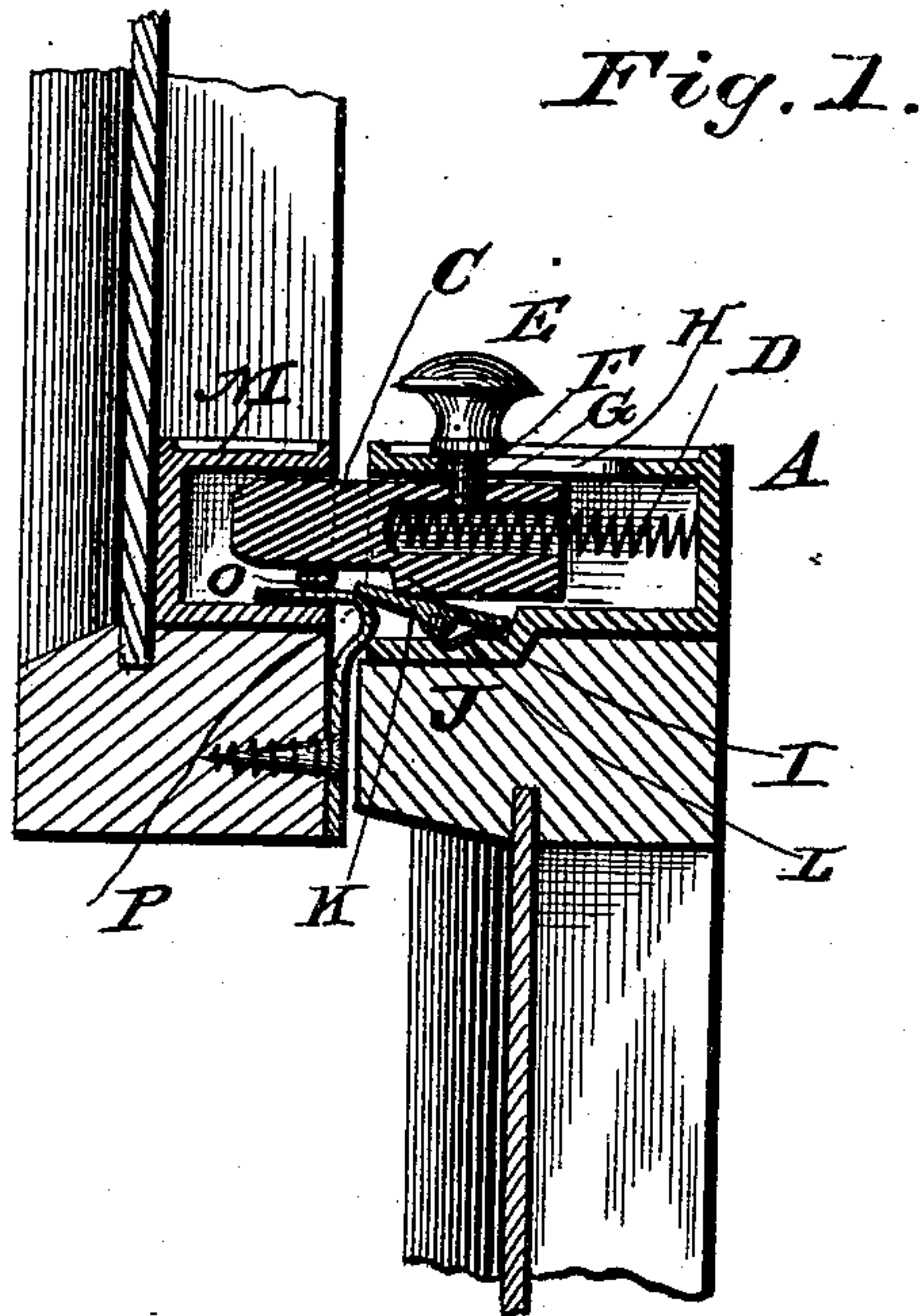
(No Model.)

T. L. McKEEN.

FASTENING FOR MEETING RAILS OF SASHES.

No. 316,285.

Patented Apr. 21, 1885.



WITNESSES:

Wm. G. Dietrich
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UNITED STATES PATENT OFFICE.

THOMAS L. McKEEN, OF EASTON, PENNSYLVANIA.

FASTENING FOR MEETING-RAILS OF SASHES.

SPECIFICATION forming part of Letters Patent No. 316,285, dated April 21, 1885.

Application filed January 8, 1885. (No model.)

To all whom it may concern:

Be it known that I, THOMAS L. McKEEN, a citizen of the United States, and a resident of Easton, in the county of Northampton and State of Pennsylvania, have invented certain new and useful Improvements in Sash-Locks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figures 1 and 2 are longitudinal vertical sectional views of my improved sash-lock, showing it locked and unlocked; and Figs. 3 and 4 are perspective views of the two main parts of the lock separated.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to locks for the meeting-rails of window-sashes; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates a box or casing having flanges B, provided with perforations for the insertion of fastening-screws, securing the box to the upper rail of the lower sash of a window, and a bolt, C, slides in the box, having a spiral spring, D, inserted with one end into a recess in the inner end of the bolt and bearing against the inner end of the box.

A knob, E, has a screw-threaded shank, F, which fits into a threaded bore, G, in the upper side of the bolt, and the said shank slides in a longitudinal slot, H, in the upper side of the box, the knob serving as a handle for operating the bolt.

The under side of the bolt is cut away at the outer portion, forming an outwardly-facing shoulder, I, and the box has a recess, J, in its lower side near the outer end, in which recess a latch-plate, K, is pivoted at its middle, having a spring, L, forcing its inner end upward to engage the shoulder of the bolt.

A socket, M, having perforated flanges N,

is secured by the said flanges to the lower rail of the upper sash, and is adapted to receive the end of the bolt, and below the aperture of the socket for the reception of the bolt is a narrow slot, O, into which passes the bent end of a spring, P, which is secured to the rail of the sash below the socket, and has its upper end curved and bent to fit and play in the slot O.

It will now be seen that when the rails of the sashes are opposite to each other, and, consequently, the windows closed, the bolt will fit in the socket and the sashes be locked in position; but by drawing the bolt back by means of the knob the latch-plate will be tilted up with its inner end and engage the shoulder upon the bolt, retaining the bolt within the box, thus allowing the sashes to be moved. When now the rails are brought opposite to each other, by bringing the sashes back into their proper positions, the end of the latch-plate which projects outside of the box will strike the curved portion of the spring, which will raise the outer end of the latch-plate, and consequently disengage its inner end from the shoulder of the bolt, thus will be allowed to slide out, being forced by the spiral spring, and lock the sashes again.

If it is desired to keep the bolt within the box without relying upon the latch-plate to retain it, the knob may be screwed down with its shank into the bore in the bolt, and the shoulder of the knob will clamp the edges of the slot in the box and hold the bolt.

The spring which forces the inner end of the latch-plate upward may be dispensed with, and the outer end of the said plate be of sufficient weight to raise the inner end, and with small modifications the lock may be adapted to use with doors or for similar purposes without deviating from the principle of my invention.

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

The combination, in a sash-lock, of a slotted box secured to the upper rail of the lower sash, a bolt or locking-pin having a longitudi-

nal aperture, a coiled spring fitting in said
aperture, a binding-knob having a screw-
thread fitting in said bolt, a pivoted latch-
plate, a socket with a slot under its aperture,
5 and a flat spring with a rounded projecting
part at its angle, its free end playing in said
slot, and its other end secured to the lower
rail of the upper sash, all constructed and
combined for the purpose herein set forth and
10 described.

In testimony that I claim the foregoing as
my own I have hereunto affixed my signature
in presence of two witnesses.

THOMAS L. McKEEN.

Witnesses:

WM. H. HULICK,
S. S. FISLER.