

(No Model.)

P. A. LEWIS
BLIND SLAT ADJUSTER.

No. 341,338.

Patented May 4, 1886.

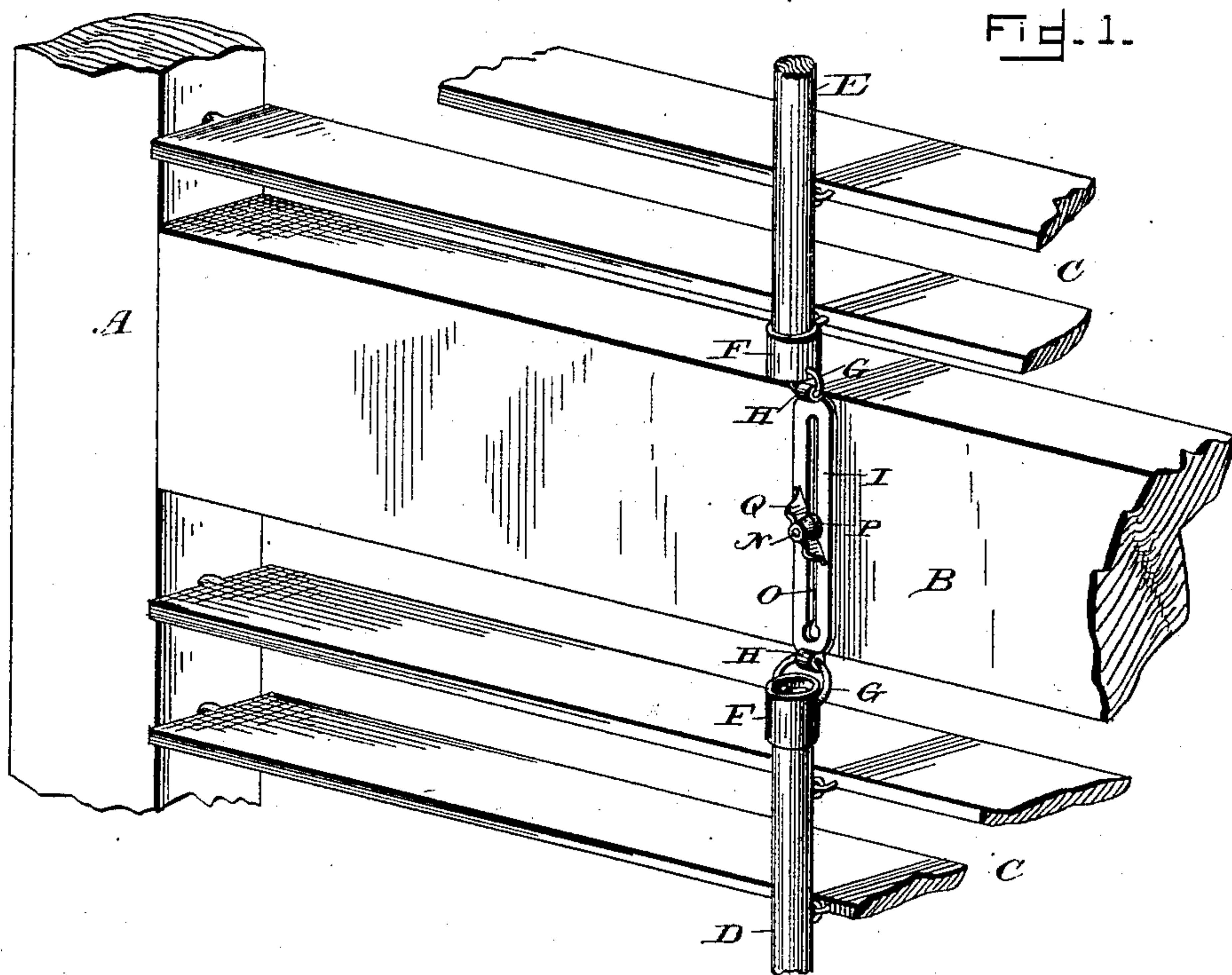


Fig. 3.

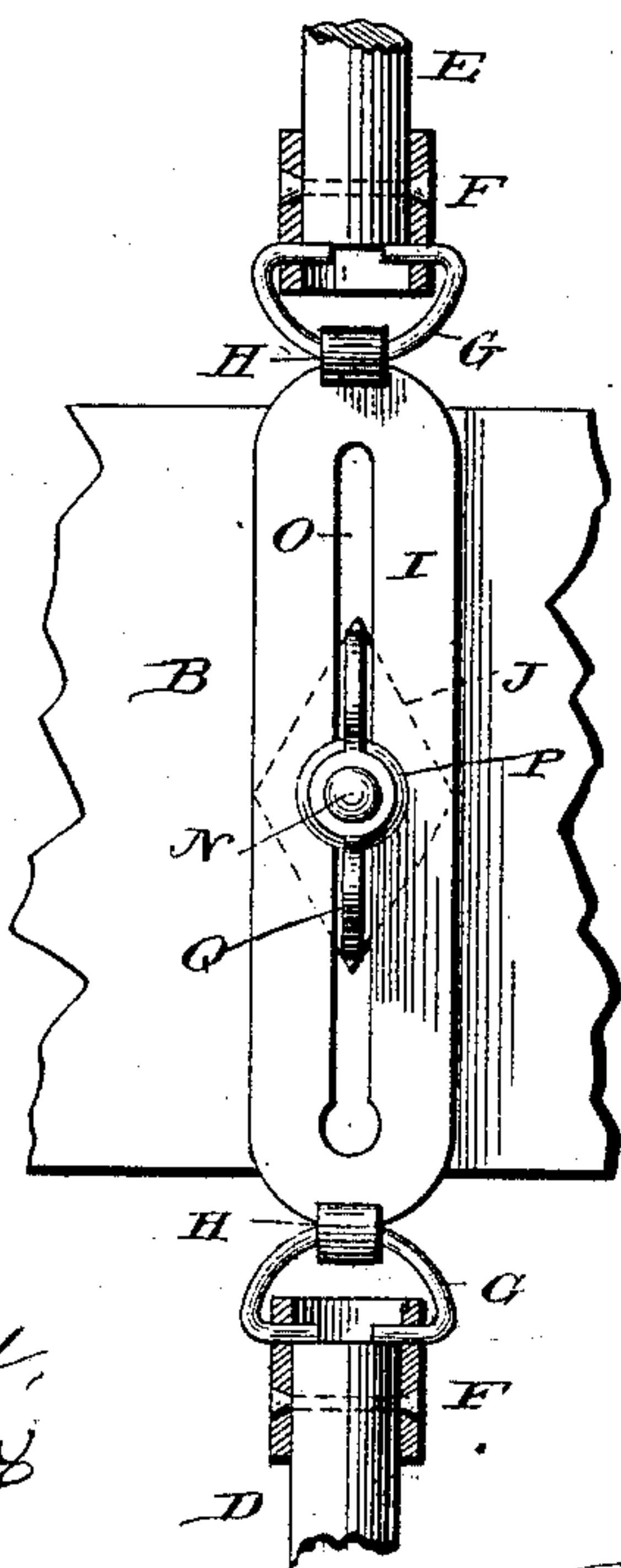
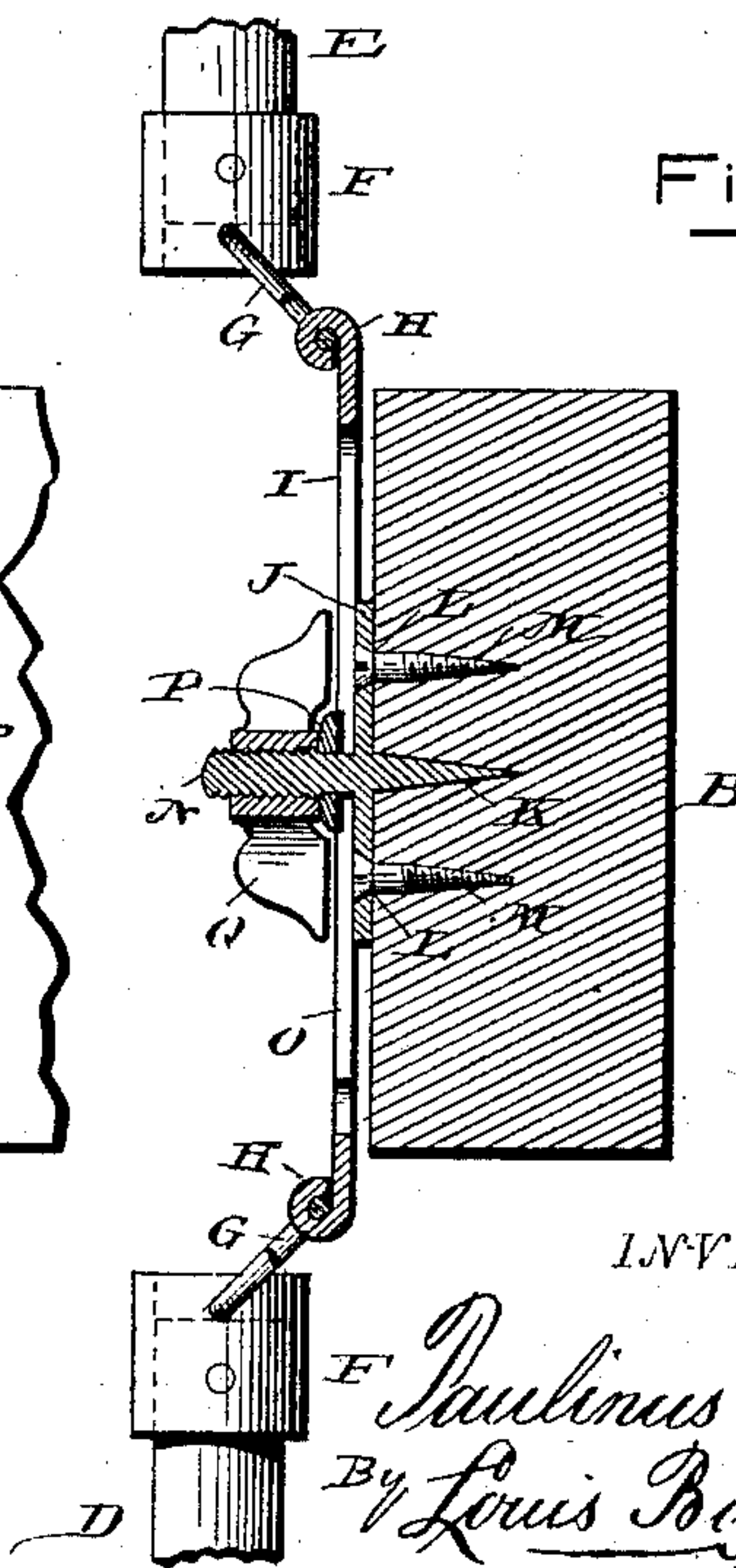


Fig. 2.



WITNESSES

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BLIND-SLAT ADJUSTER.

SPECIFICATION forming part of Letters Patent No. 341,338, dated May 4, 1886.

Application filed February 26, 1886. Serial No. 193,305. (No model.)

To all whom it may concern:

Be it known that I, PAULINUS ALOYSIUS LEWIS, a citizen of the United States, and a resident of Galveston, in the county of Galveston and State of Texas, have invented certain new and useful Improvements in Regulators and Fasteners for Shutter-Slats; 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—

Figure 1 is a perspective view of as much of a window-shutter as will be sufficient to illustrate my invention. Fig. 2 is a vertical sectional view of the same; and Fig. 3 is a front view, on an enlarged scale, of the sliding slotted bar and of the ends of the rods.

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

My invention has relation to means for regulating and securing the slats of window-shutters at any desired angle; 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 portion of the frame of a shutter. B is the central cross-piece or cross-stile of the shutter, and C indicates the pivoted slats. The upper end of the lower rod, D, and the lower end of the upper rod, E, to which rods the edges of the slats are pivotally connected, and by means of which rods the slats are set at the desired angles, are provided with thimbles or ferrules F F, into which the ends of links G G are pivoted, and the other ends of these links are pivoted in transverse eyes H H, formed at the ends of a longitudinally-slotted bar or plate, I, by turning the said ends over the ends of the links.

A plate, J, is secured upon the cross piece of the shutter, and is formed with a central inwardly-projecting pointed pin or bolt, K, which may be driven into the cross-piece, and with perforations L L, for the insertion of fastening-screws M, and a screw-threaded stud, N, projects outwardly from the center of the plate, and has the plate or bar sliding upon it with its longitudinal slot O.

A washer, P, fits upon the screw-threaded stud against the outer side of the slotted plate, and a thumb-nut, Q, fits upon the stud, and serves to clamp the slotted plate between the washer and the cross-piece of the shutter, adjusting it in any position at which it may be placed. It will thus be seen that by loosening the thumb-nut, so as to allow the plate to slide, the said plate may be slid up or down, moving the slat-rods with it, and setting the slats at any desired angle, and by securing the slotted plate the slats may thus be held at the desired angle.

The slats may be closed flat down and be held in this position, preventing the introduction of a knife or other instrument between the slats for the purpose of opening a window inside of the shutter, thus preventing a very common mode of effecting an entrance into a building by burglars, while also the rigid adjustment of the slats will admit of adjusting the slats at a certain angle, at which they will remain without being closed or opened by wind or rain, as they are liable to be without means for securing them at the angle.

If the shutter is not formed with a cross-piece, but is provided with one continuous series of slats, the plate having the threaded stud and thumb-nut may be secured upon the upper or lower end of the shutter-frame, and the slotted plate at the corresponding end of the slat-rod, when the device will accomplish the same results, and the device may be employed as well with shutters or pivoted slats in drying or cooling houses in factories of various kinds as with window-shutters.

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

1. A shutter-stop consisting of a slotted bar linked to the end of the slat-actuating rod of a shutter, in combination with a plate having a spur on one side and a screw-threaded stud on the other, a washer, and a thumb-nut, substantially as and for the purpose set forth.

2. In a window-shutter, the combination of two sets of pivoted slats having rods pivotally connected to the edges of them, provided with thimbles at their facing ends, a plate having an inwardly-projecting pin and fastening-screws, and having an outwardly-projecting

screw-threaded stud, and secured upon the cross-piece of the shutter, a plate having a longitudinal slot sliding upon the threaded stud, and having outwardly and inwardly
5 curved ends, forming transverse eyes, links pivoted in the said eyes and to the thimble ends of the slat-rods, and a washer and a thumb-nut fitting upon the screw-threaded stud, as and for the purpose shown and set
10 forth.

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

PAULINUS ALOYSIUS LEWIS.

Witnesses:

NICHOLAS J. CLAYTON,
PATRICK S. RALITT.