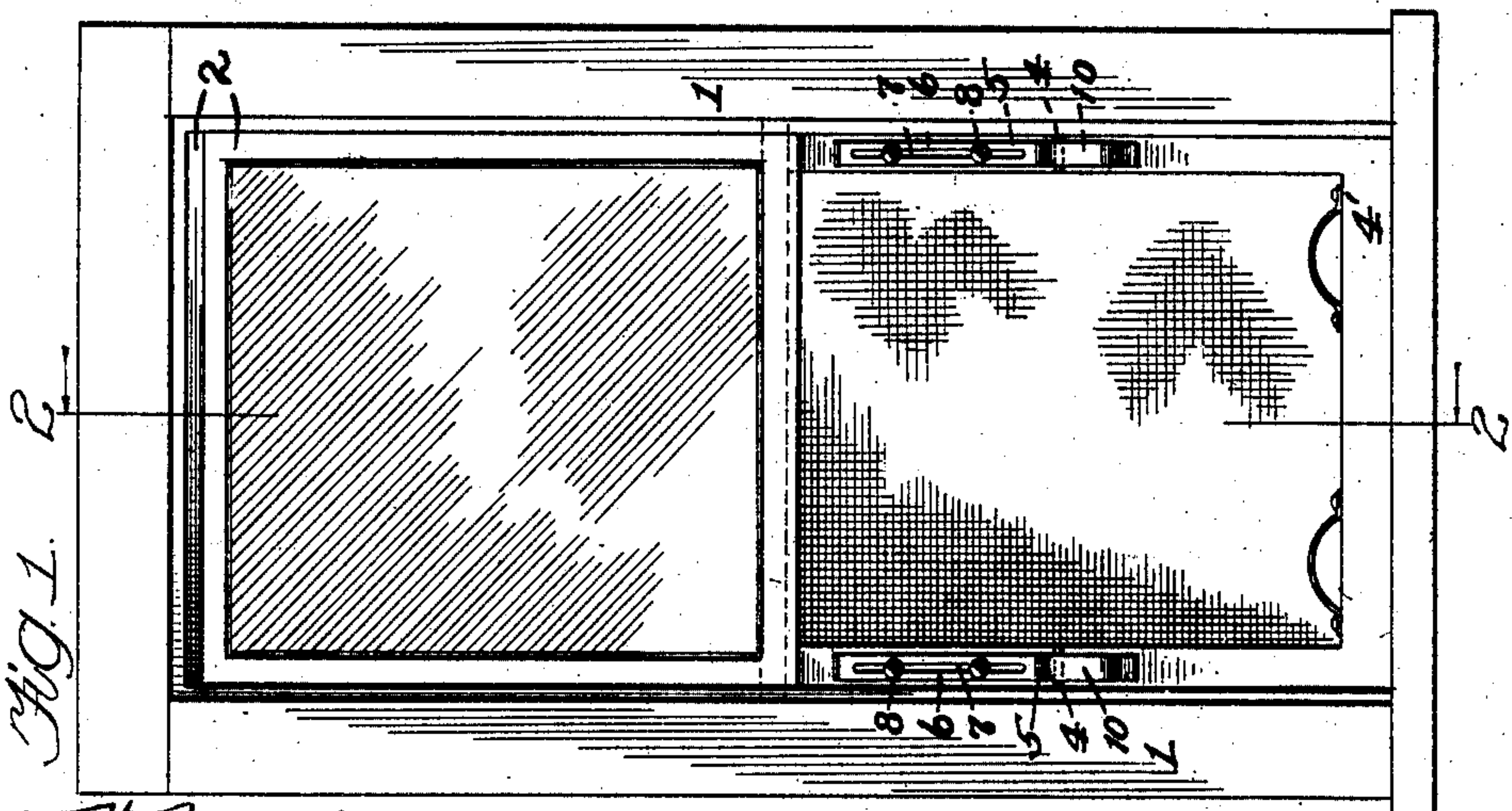
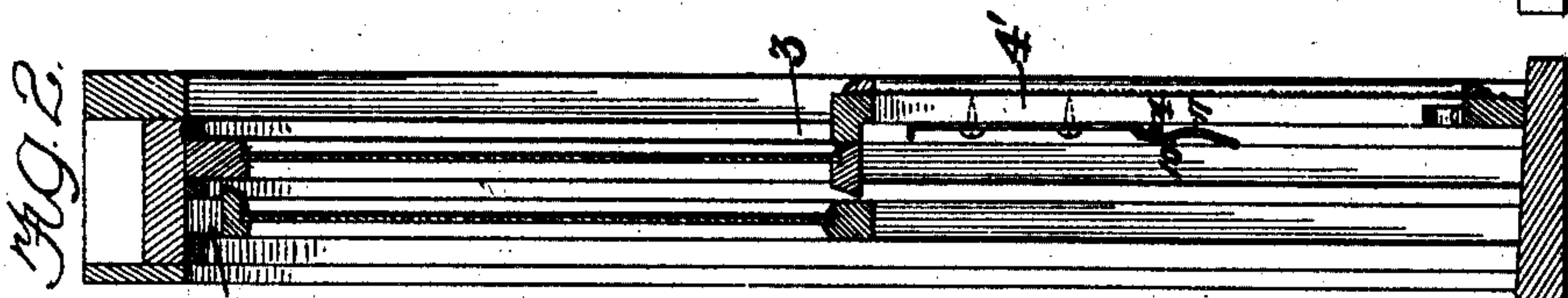
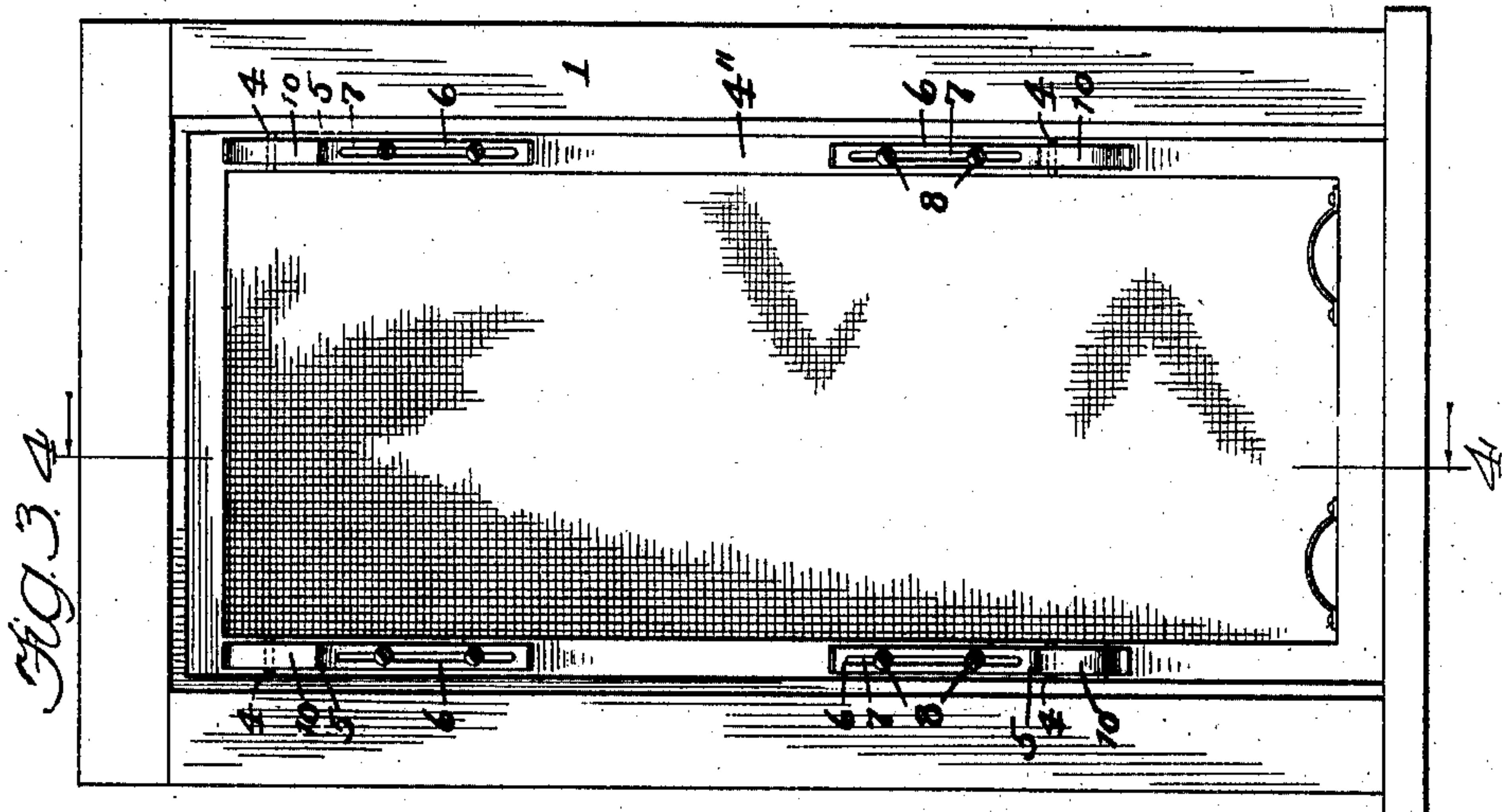
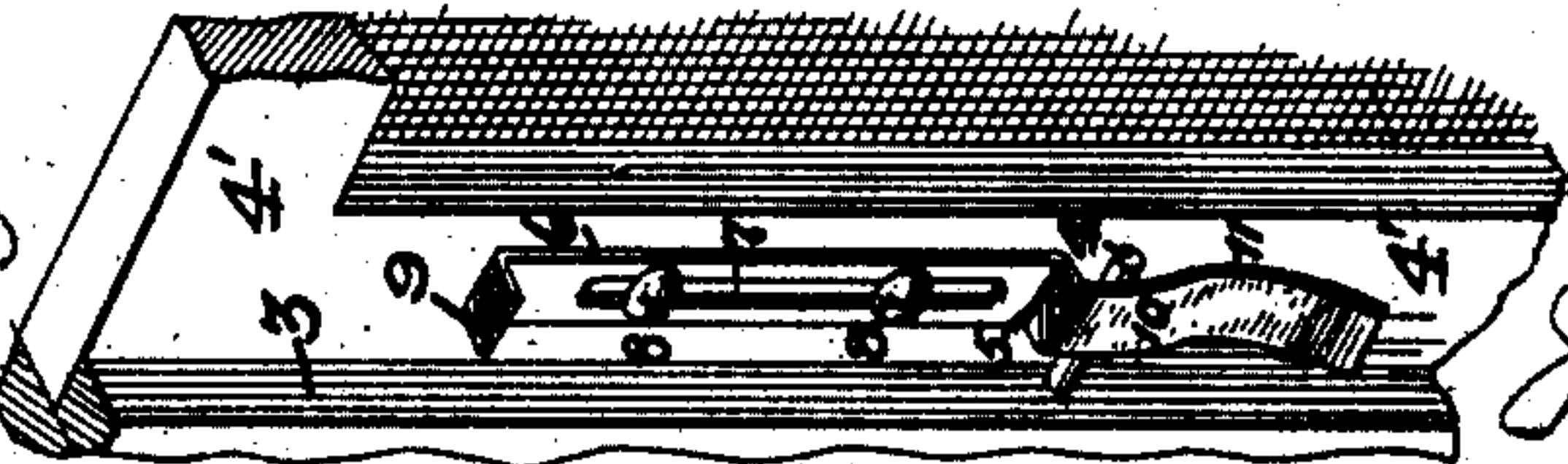


963,373.



Witnesses  
Robert Wein  
Edmund Wilson



Inventor:  
William L. Kane  
James H. Pore  
Attorney



# UNITED STATES PATENT OFFICE.

WILLIAM L. KANE, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO DANIEL HEWITT, OF CHICAGO, ILLINOIS.

## WINDOW-SCREEN.

963,373.

Specification of Letters Patent.

Patented July 5, 1910.

Application filed October 28, 1909. Serial No. 525,033.

*To all whom it may concern:*

Be it known that I, WILLIAM L. KANE, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Window-Screens, of which the following is a specification.

My invention relates to improvements in window screens and has for its object the production of a window screen of improved construction and operation.

The invention consists in the combination and arrangement of parts hereinafter described and claimed.

My invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which,

Figure 1 is an interior elevation of a window equipped with a screen embodying my invention, Fig. 2, a section on line 2—2 of Fig. 1, Fig. 3, an interior elevation of a window provided with a screen extending the full height of the window frame, Fig. 4, a section on line 4—4 of Fig. 3, and Fig. 5, a perspective view showing the metallic spring clip employed in the construction illustrated in Figs. 1 and 2.

In the preferred form of construction as illustrated in Figs. 1, 2 and 5, the window frame 1 is provided with the usual sashes 2 and the usual rear or back guiding strips 3. To the lower portions of strips 3 at either side of the frame are secured pins or projections 4. The window screen 4' is provided with metallic spring clips 5 at either side. Each of these spring clips comprises a flat body portion 6 provided with an elongated longitudinal slot 7 through which screws 8 are passed to adjustably secure the same to the side of the screen frame 4'. At one end clips 5 are provided with outwardly turned flanges 9 to facilitate their adjustment. At their other ends clips 5 are provided with outwardly bent spring leaf members 10 having medial depressed portions 11 adapted to take over projections 4 when the screen frame is placed in position. The relative arrangement of the parts is such that as leaf 10 is forced over projection 4 in placing the screen frame in position, the leaf will yield sufficiently to permit the passage of the depression 11 which then serves to yieldingly lock the frame in position. By this construction it will be seen that the

frame 4' may be readily placed in or removed from position and that clips 5 will operate to securely hold the same in position.

In Figs. 3 and 4 I have illustrated the form of construction in which a screen frame 4' of a height equal to the full height of the frame, is employed. In this case projections 4 are secured to strips 3 at either side of the top and bottom of the frame and clips 5 secured to the screen frame to correspond. In placing this frame in position the screws 8 of the lower clips 5 are loosened to permit longitudinal movement of the clips and the frame placed in position with the upper clips 5 taking over the upper projections 4 at either side. Then the lower clips 5 may be readily placed over the lower projections 4 and secured by screws 8, whereupon the screen frame is securely locked in position. In this case no medial depressions 11 are provided in clips 5 inasmuch as the frame 4' is held from longitudinal movement by the window frame itself.

While I have illustrated and described the preferred form of construction for carrying my invention into effect this is capable of variation or modification without departing from the spirit of my invention. I, therefore, do not wish to be limited to the exact details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

Having described my invention what I claim as new and desire to secure by Letters Patent is:

1. The combination of a window frame having guide strips therein; a screen frame adapted to fit within said window frame and contact with said strips; projections at either side of said frame opposite the side rails thereof; and spring metallic clips on the side rails of said screen frame adapted to engage said projections and draw the frame against said strips, substantially as described.

2. The combination of a window frame having guide strips therein; a screen frame adapted to fit within said window frame and contact with said strips; projections at either side of said frame opposite the side rails thereof; and spring metallic clips on the side rails of said screen frame adapted to engage said projections and draw said frame against said strips, each of said clips com-



prising a flat body member secured to the screen frame and an outwardly extending spring leaf provided with a medial depression adapted to engage over said projections, substantially as described.

3. The combination with a window frame, of a projection secured to said frame at either side and at top and bottom; a screen frame extending the full height of said window frame, stationary spring clips at either side of the top of said screen frame and adapted to engage the corresponding pro-

jections; and spring clips adjustably secured at either side of the bottom of said frame and adapted to engage corresponding projections, substantially as described. 15

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM L. KANE.

Witnesses:

HELEN F. LILLIS,  
JOSHUA R. H. POTTS.