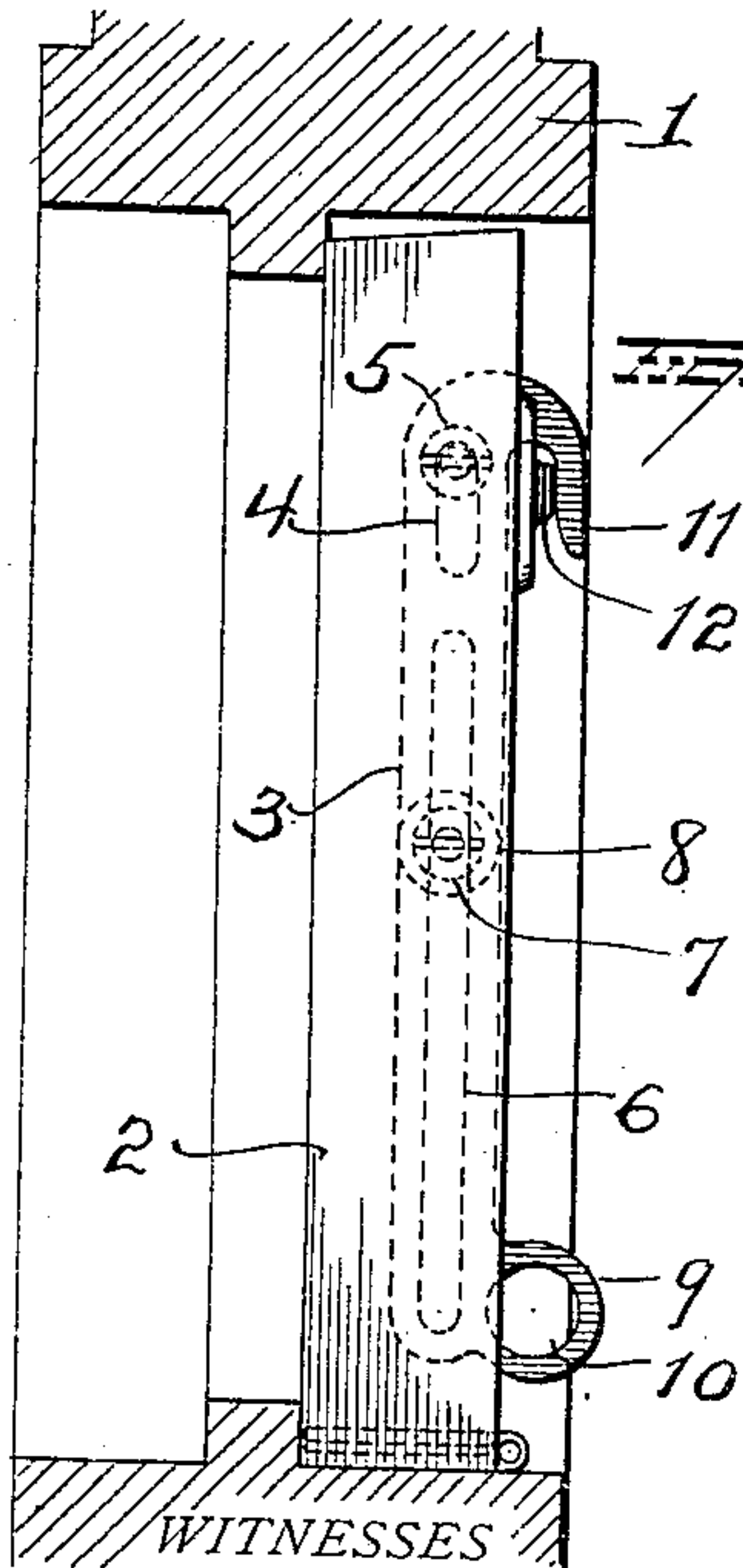
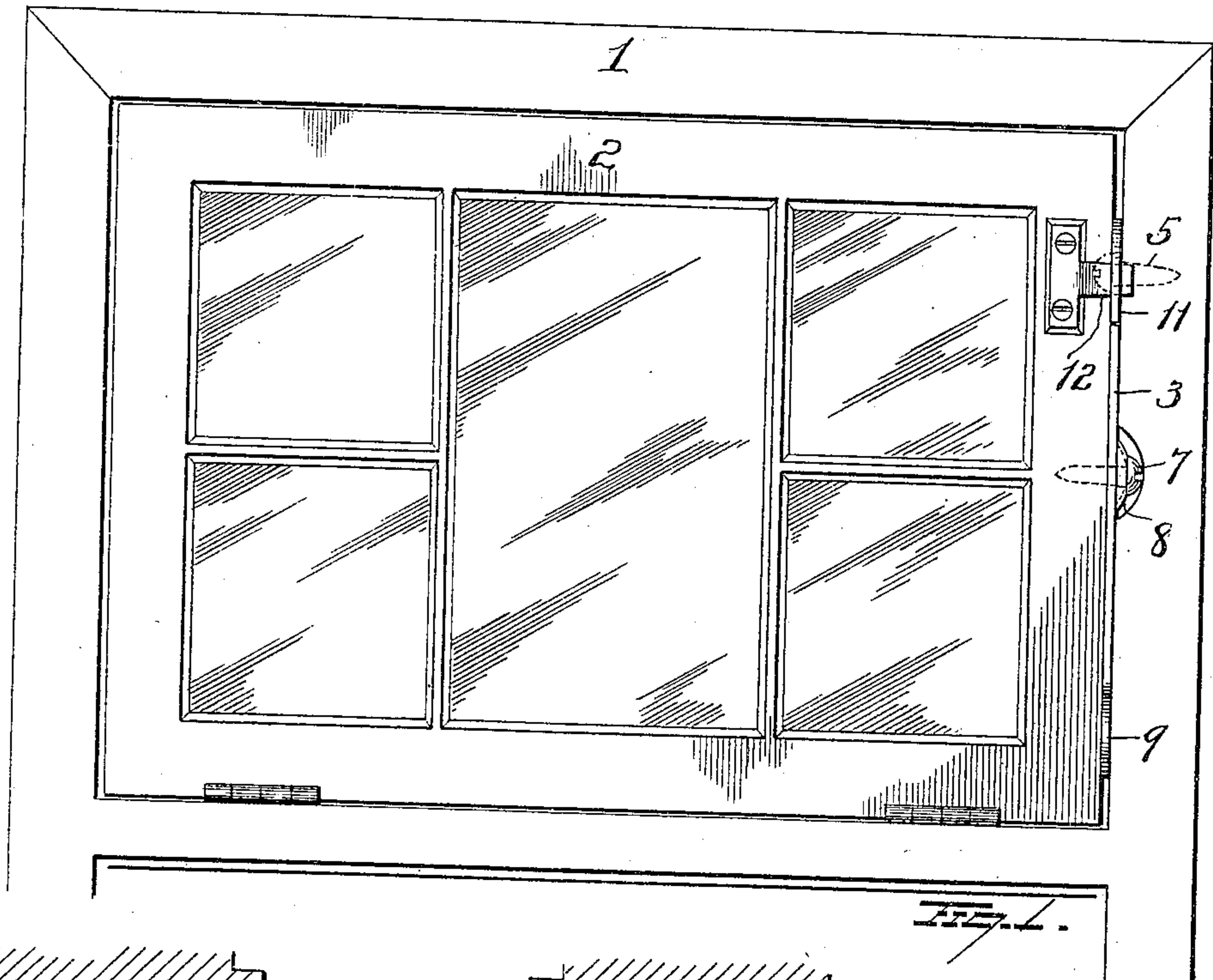


C. J. ERICSON.
TRANSOM SUPPORT AND FASTENER.
APPLICATION FILED SEPT. 26, 1910.

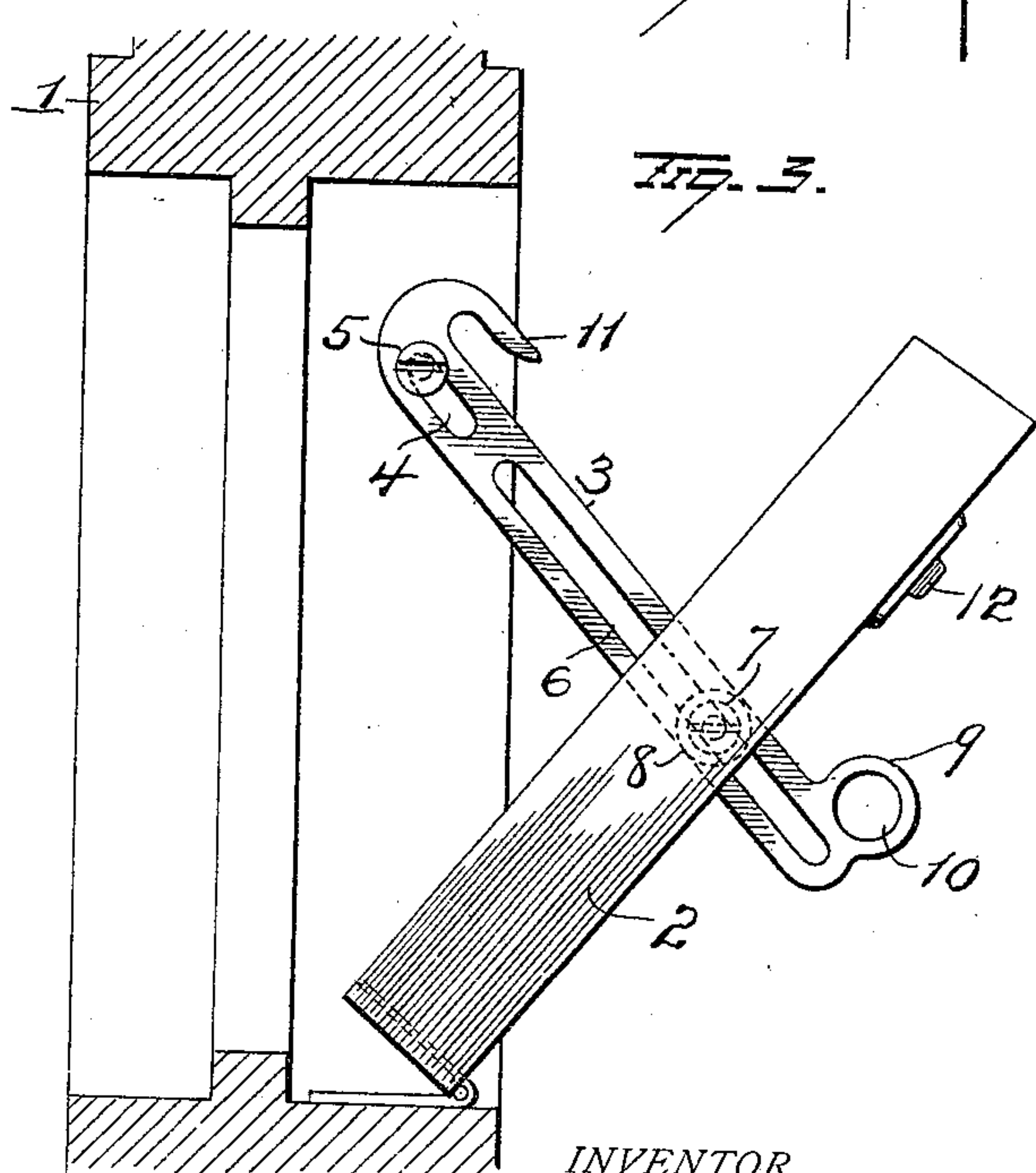
979,138.

Patented Dec. 20, 1910.



WITNESSES

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CHARLES JOS. ERICSON, OF SALT LAKE CITY, UTAH.

TRANSOM SUPPORT AND FASTENER.

979,138.

Specification of Letters Patent.

Patented Dec. 20, 1910.

Application filed September 26, 1910. Serial No. 583,812.

To all whom it may concern:

Be it known that I, CHARLES J. ERICSON, of Salt Lake City, in the county of Salt Lake and State of Utah, have invented certain new and useful Improvements in Transom Supports and Fasteners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as it appertains to make and use the same.

This invention relates to improvements in transom supports and fasteners, adaptable particularly for use with transoms or windows hinged at the lower edge,—one object of the invention being to provide simple and efficient means for locking a bottom-hinged transom or window in closed position, and for supporting the same in open position.

A further object is to so construct the device that the major portion thereof will be concealed when the transom is closed.

A further object is to construct the device in such manner that when the transom is moved from open toward closed position, said device will be moved to position to be operated to lock the transom.

With these objects in view the invention consists in certain novel features of construction and combinations of parts as hereinafter set forth and pointed out in the claims.

In the accompanying drawings, Figure 1 is a face view showing a transom with my improvements applied thereto. Fig. 2 is a side elevation of the transom closed, the frame being shown in section, and Fig. 3 is a similar view with the transom open.

1 represents a transom frame and 2 a transom or window hinged at its lower edge and adapted, when closed to enter the frame 1.

In constructing my improvements, I employ a flat arm or member 3 having a short slot 4 near its upper end for the passage of a headed pin or screw 5 which enters one upright member of the frame 1. The arm or member 3 is also made with a long slot 6 extending from a point near the lower end of the short slot 4 approximately to the lower end of said arm or member. A headed pin 7 passes through this long slot and enters one end of the transom 2. Between the head of this pin and the arm or member 3, a spring washer 8 is disposed so as to have frictional contact with said arm or member for a purpose which will be hereinafter ex-

plained. The arm or member 3 is provided at its lower end with a lateral projection 9 which may be provided with a hole 10 to receive an operating device. The upper end of said arm or member is provided with a downwardly projecting hook 11 which, when the transom is closed projects outwardly beyond the outer face of the transom so as to be in position to engage a lug 12 projecting beyond one end of the transom. The inner face of the hook 11 is beveled so that when said hook is moved into engagement with the lug 12, a wedging action will be produced and the transom will be held firmly against its seat in the frame 1.

It will be observed that when the transom is closed and locked, the major portion of the arm or member 3 will be disposed between one end of the transom and one end of the frame, thus being concealed from view,—the lateral projection 9 and the hook 11 only projecting beyond the outer face of the transom.

By grasping the projection 9 or engaging the same with a suitable operating device and moving it upwardly, the hook 11 will be disengaged from the lug 12 on the transom and the latter will be unlocked. By now moving the lower end of the arm or member 3 outwardly, the transom will be swung open to a certain extent and it can be fully opened by swinging it down until the lower end of the long slot 6 engages the pin 7, when it will be supported in its open position, the pin or screw 5 in the frame 1 being in engagement with the upper end wall of the short slot 4. During the first portion of the closing movement of the transom, the frictional engagement of the spring washer 8 with the arm or member 3 will cause the latter to move longitudinally a distance equal to the length of the short slot 4 so that when the transom shall have been fully closed within the frame 1, the free end of the hook 11 will be above the path of movement of the lug 12 which projects from the end of the transom. A downward pull on the arm or member 3 will now cause the hook 11 to engage the lug 12 and lock the transom in its closed position.

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

1. The combination with a frame and a hinged member therein, of a slotted member disposed between one end of the hinged

member and one end of the frame and having pivotal and sliding connection with both, said slotted member provided at one end with a hook, and means projecting from
5 one end of the hinged member to be engaged by said hook on the slotted member when the latter is moved longitudinally, to lock the hinged member in closed position.

2. The combination with a frame and a
10 hinged member therein, of an elongated member having a short and a long slot and provided at one end with a hook, a headed pin passing through the short slot and entering the frame, a pin passing through the
15 long slot and entering one end of the hinged member, engaging means on said elongated member for operating the same, and a lug or projection on the transom to be engaged by the hook on the elongated member.

20 3. The combination with a frame and a hinged member therein, of an elongated member having a short slot and a long slot and provided at one end with a hook and at the other end with engaging means, a
25 headed pin passing through the short slot

and entering the frame, a headed pin passing through the long slot of said elongated member and entering one end of the hinged member, a friction member between the head of said last mentioned pin and the
30 elongated member, and a lug or projection on the hinged member to be engaged by the hook on the elongated member for locking said hinged member in closed position.

4. The combination with a frame and a
35 pivoted member therein, of a supporting and locking member having sliding and pivotal connection with the frame and having sliding and pivotal connection with the transom, said locking and supporting mem-
40 ber provided with a hook and a lug or projection on the hinged member to be engaged by said hook.

In testimony whereof, I have signed this specification in the presence of two sub-
45 scribing witnesses.

CHARLES JOS. ERICSON.

Witnesses:

WILLIAM C. HAINES,

A. H. LEFLER.