

A. C. BATES.
 PORTABLE LOCK FOR DOORS AND WINDOWS.
 APPLICATION FILED MAY 21, 1910.

971.717.

Patented Oct. 4, 1910.

Fig. 1.

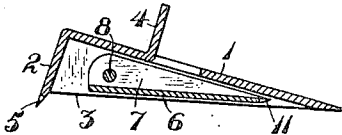


Fig. 2.

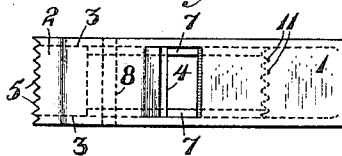


Fig. 3.

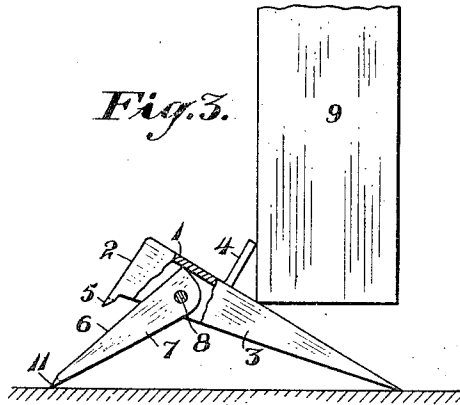
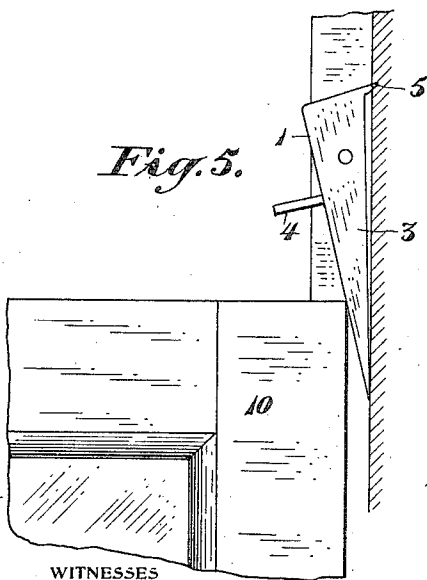
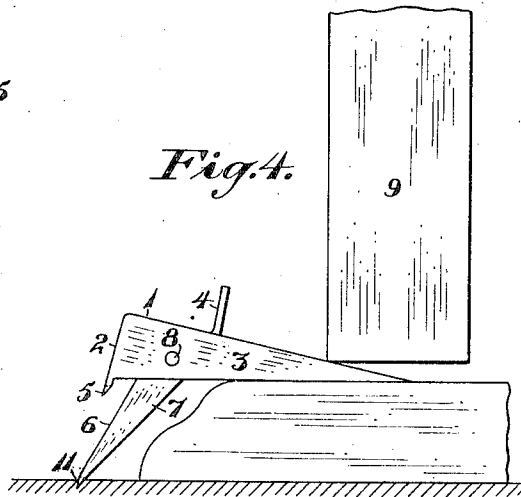


Fig. 5.



WITNESSES

Fig. 4.



J. C. Fiedner
Agnes Pringle

INVENTOR
Arthur C. Bates
 BY
Lincoln Sonntag
 ATTORNEY

UNITED STATES PATENT OFFICE.

ARTHUR CALVIN BATES, OF BROWNSVILLE, CALIFORNIA, ASSIGNOR OF ONE-HALF TO
ALBERT KAHN, OF SAN FRANCISCO, CALIFORNIA.

PORTABLE LOCK FOR DOORS AND WINDOWS.

971,717.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ARTHUR C. BATES, a citizen of the United States, residing at Brownsville, in the county of Yuba and State of California, have invented certain new and useful Improvements in Portable Locks for Doors and Windows, of which the following is a specification.

My invention relates to devices for locking and supporting doors and windows.

The object of my invention is to provide a window and door locking device and support which may be applied to any window or door and removed instantly without the use of any key or implement, and a further object is to provide a window and door lock of convenient size which may be carried by a traveler so that any window or door of a room in which he may lodge may be easily, quickly and effectively secured when the ordinary window or door lock therein is out of order or insecure, and a further object is to provide a means by which a window may be quickly secured in an open position so that the sash cannot be moved by some one desiring to gain access to the room, and also a means by which a door, or a window may be secured in any desired open position for the ventilation of a room, and other advantages of my said invention are particularly described in the following specification, the same being of great utility in connection with doors or windows.

My invention consists in the novel construction and arrangement of parts shown in the accompanying drawing, described in the following specification and pointed out in the appended claims.

Referring to the accompanying drawing, Figure 1 is a central section of said locking device and support and Fig. 2 is a plan view thereof. Fig. 3 is a side view of said locking device and support as applied to an open door and Fig. 4 is a side view of the device and support as applied to a closed door. Fig. 5 is a side view of said device and support as applied to a window sash.

In the figures 1 shows a wedge having a rear wall 2 the lower end of which projects below the side walls 3 thereof and has teeth 5. Pivoted between the side walls by means of pin 8 is dog 7. Said dog has preferably the shape of a wedge and its front end is provided with teeth 11. The underside of the front end of wedge 1 is flat, being adapt-

ed to rest evenly on a flat surface. A stop 4 projects above the upper surface of the wedge 1 and is constructed by the material thereof being cut to form the stop and then turned upwardly to project at right angles to such upper surface. The dog 7 is preferably hollow as well as the wedge 1 which feature gives the device the advantage of lightness.

To apply the device to a window I insert the point of the wedge 1 between the window sash 10 and the window frame or casing as shown in Fig. 5, the toothed edge 5 engaging the groove in which the sash is slidable, and by such application the lower sash is securely locked.

To lock both the upper and lower sashes with the device I insert the point of the wedge between said sashes in line with one of the side bars thereof so that teeth 5 will engage the upper sash.

To lock a door the frame of which is provided with a threshold, I permit the dog to drop, and insert the point of the wedge under the door when closed, and then press the teeth of the dog into the floor beyond the lower edge of the threshold.

To lock laterally sliding windows, I insert the point of the wedge between the sashes at top or bottom longitudinally with the teeth of the wedge engaging the sash which extends beyond the device rearwardly.

To support a door in an open position I open the door to the desired width, and then place the point of the wedge under the door from the outside. Should the door be too high above the floor to use the wedge alone, the dog is permitted to descend to increase the height of the device and teeth 11 are permitted to engage the floor.

It should be observed that when the device is applied in any of the above-mentioned positions, and an attempt is made to move the door or sash against which it is applied such door or sash tightens upon such device by increasing the friction of the wedge 1 against the same thereby greatly increasing the difficulty of movement of the door or sash, the device being held firmly.

When a window sash is secured by the device at any height for ventilation by inserting the same between it and the groove in which it is contained the weight of the sash upon the device tightens it in the intervening space preventing the dropping of the sash, similarly the application of the device

under a door prevents the movement of the door until the removal of the device.

To remove the device from a window the stop should be grasped and the sash raised 5 or lowered as may be necessary and thereby the freeing of the same is accomplished. To remove the device from a door the stop should be grasped and the device raised.

My device may also be used for windows 10 and doors in other ways for securing the same that will suggest themselves to the user.

In the foregoing specification I have described the preferred form of my invention 15 for securing the best results, but the same may be modified by omitting for example the indentations or notches whereby the teeth mentioned are formed, leaving the edges where such teeth are provided of the form of an unindented or chisel edge, which 20 I have found may be used for the purpose of each edge, and inasmuch as my invention is capable of modification, I claim all modifications thereof which fall within its spirit and scope.

I claim:—

1. A device of the character described comprising a hollow wedge opening downwardly and a sloping dog pivotally mounted 30 between the side walls of said wedge and adapted to move downwardly and rearwardly.

2. A device of the character described comprising a hollow wedge opening downwardly 35 and a downwardly projecting dog having its projecting end provided with a

plurality of teeth mounted between the walls of said wedge and movable therein.

3. A device of the character described comprising a hollow wedge opening downwardly 40 and having its rear wall provided with a plurality of teeth at its lower end and a downwardly projecting dog having its projecting end provided with a plurality of teeth movably mounted between the side 45 walls of said wedge.

4. A device of the character described comprising a hollow wedge opening downwardly and having its rear wall provided with a plurality of teeth at its lower end, a 50 downwardly projecting dog having its projecting end provided with a plurality of teeth movably mounted between the side walls of said wedge, and a stop extending upwardly from the top of said wedge. 55

5. A device of the character described comprising a hollow wedge having its point flat on its underside, said wedge opening downwardly and having its rear wall provided with a plurality of teeth at its lower 60 end, a downwardly projecting dog having its projecting end provided with a plurality of teeth movably mounted between the side walls of said wedge, and a stop extending upwardly from the top of said wedge. 65

In testimony whereof I affix my signature, in presence of two witnesses.

ARTHUR CALVIN BATES.

Witnesses:

Mrs. H. A. CONWELL,
J. W. PACKARD.