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WINDOW-LOCK.

1,037,662.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, GEORGE B. ROBERTS and MARK T. FLANAGAN, both citizens of the United States, and residents, respectively, of the city of New York, borough of Manhattan, in the county and State of New York, and North Tarrytown, in the county of Westchester and State of New York, have invented a new and Improved Window-Lock, of which the following is a full, clear, and exact description.

The invention relates to windows having up and down sliding sashes, and the object is to provide a new and improved mechanism by which the sashes may be readily and securely locked by a single operation.

For the purpose mentioned use is made of a locking device on a window frame and having transverse bolts adapted to register with keepers in the sash stiles at the time when the latter are properly positioned to receive said bolts.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is an enlarged sectional plan view of the window showing more particularly one of the locking devices for locking the stiles in place, the section being on the line 1—1 of Fig. 2; Fig. 2 is a sectional view of the same on the line 2—2 of Fig. 1.

The window casing A is provided with the usual vertical grooves or guideways B, B' in which are mounted to slide up and down pairs of stiles C and D, connected with the lower and upper sashes F and G. The stiles C and D are provided at their outer faces with keepers I, I' adapted to be engaged by transversely-extending bolts J, J' attached to a transversely extending push bar K mounted to slide in suitable bearings arranged on the corresponding side of the casing A, and the push bar K extends into the room and is provided at its terminal with a knob K' under the control of the operator for imparting a transverse sliding movement to the push bar K with a view to engage or disengage the bolts J, J' with or

from the keepers I, I'. Each push bar K is connected by one or two levers L with a second bar N extending transversely and mounted to slide in suitable bearings on the corresponding side of the window frame A, and the bar N is provided with transversely-extending bolts J², J³ adapted to engage keepers I², I³ secured to the inner faces of the stiles C, D and C', D'.

By reference to Fig. 2 it will be noticed that the bolts J, J' extend in an opposite direction to the bolts J², J³, and when a sliding movement is given to the push bar K in the direction of the arrow a' (see Fig. 2), then a sliding movement in a reverse direction is given to the bar N so that the bolts J, J', J² and J³ move simultaneously out of engagement with their keepers I, I', I² and I³, and when the push bar K is moved in the reverse direction of the arrow a' then the bolts J, J', J² and J³ are simultaneously moved into engagement with their keepers I, I', I² and I³.

Having thus described our invention, we claim as new and desire to secure by Letters Patent:

The combination with a window casing and upper and lower window sashes mounted to slide vertically in said casing and provided with side portions having keepers on their opposite faces of which the keepers on the outer faces of the sashes are adapted to aline when those on the inner faces of the sashes are alined, of a push bar mounted to slide transversely in the casing and provided with bolts adapted to engage in the keepers upon the outer faces of the sashes, a second bar mounted to slide transversely in the casing and having bolts adapted to engage the keepers on the inner faces of the sashes, and a lever fulcrumed in the casing and connecting the bars with each other.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

GEORGE B. ROBERTS.
MARK T. FLANAGAN.

Witnesses:

THEO. G. HOSTER,
PHILIP D. ROLLHAUS.