Oct. 22, 1929. J. F. LEVAN 1,732,850

SASH GUIDE

Filed Sept. 13, 1928

Fig. 1.

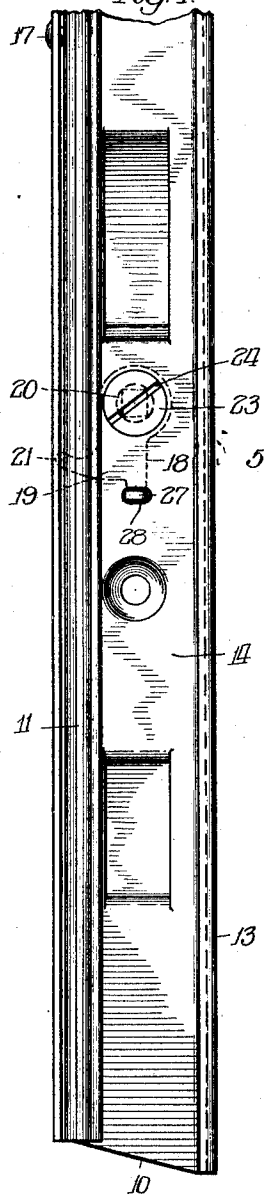


Fig. 2.

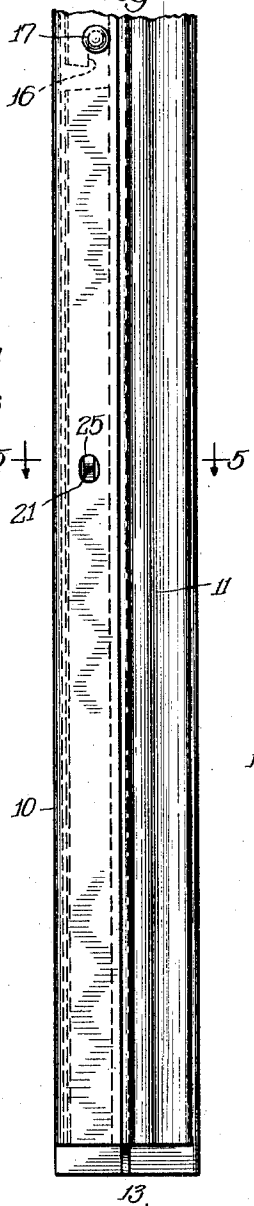


Fig. 3.

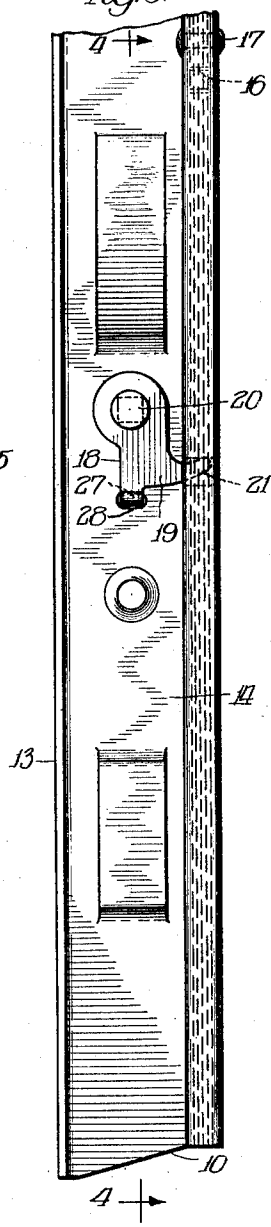


Fig. 4.

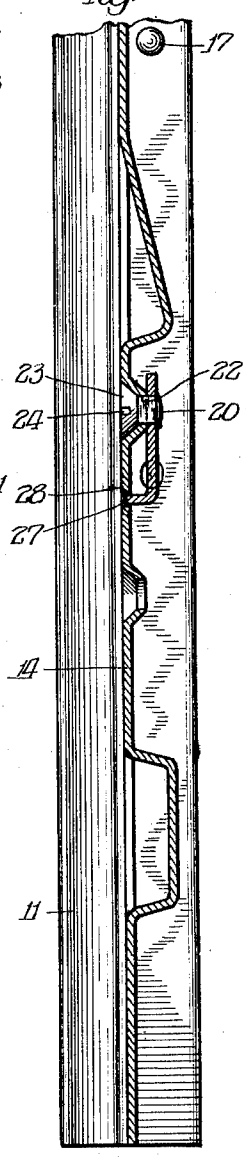
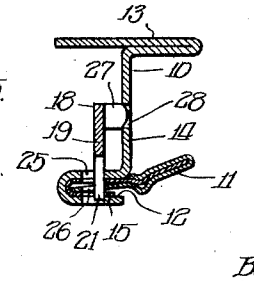


Fig. 5.



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UNITED STATES PATENT OFFICE

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SASH GUIDE

Application filed September 13, 1928. Serial No. 305,689.

The present invention relates to sash guides of the detachable side wall type disclosed in Patents Nos. 1,659,657 and 1,659,658, and is concerned particularly with the manner in which the detachable side wall is held in position.

The object of the invention is to provide, in a sash guide of the type described, improved means for holding the detachable side wall in position.

One form of the invention is presented herein by way of exemplification, but as will be evident to those skilled in the art, the invention is capable of embodiment in other structurally different forms coming equally within the scope of certain of the claims.

In the accompanying drawing:

Fig. 1 is a front view of the lower end of a sash guide constructed in accordance with the invention;

Fig. 2 is an inner side view;

Fig. 3 is a rear view;

Fig. 4 is a vertical section, taken on the line 4—4 of Fig. 3; and

Fig. 5 is a transverse section, taken on the line 5—5 of Fig. 2.

It will be observed in the drawing that the sash guide consists of a fixed strip 10 and a detachable strip 11. The strip 10 is adapted to be attached to the jamb of a window frame by screws or other suitable means, and is provided at one side with a groove 12 and at the other side with a fixed side wall 13. If it is desired to have a guide from which a sash may be removed from either side, the fixed side wall 13 may be dispensed with, and another groove, similar to the groove 12, may be provided at that side of the strip in place of the fixed side wall.

The strip 10 is made of sheet metal, and is bent in such a way as to form the groove 12, the fixed side wall 13 and an intervening web 14. The strip 10 obviously may be bent in a great many other different ways to provide the portions described.

The strip 11 constitutes a removable side wall opposite the fixed side wall 13, and is seated within the groove 12. The portion of the strip 11 within the groove is provided with a spring strip 15, which is soldered or secured in any suitable fashion to the inner edge of the strip and extends at an angle from the same.

When the guide is not occupied by a sash, the strip 11 will assume the canted position shown in Fig. 5, but, when a sash is in place in the guide, the strip 11, upon being inserted in the groove in the strip 10, will be held by the side of the sash in a position generally parallel to the fixed side wall 13, in which position the strip 11 will be pressed resiliently against the sash by the strip 15.

The strip 11 is held in position in the groove 12 by means of bayonet slots 16 which are formed at intervals in the rear edge of the strip 11 and interlock with rivets 17 which are positioned at corresponding intervals across the groove 12. After the strip 11 has been shifted rearwardly in the groove and then downwardly into interlocked engagement with the rivets 17, it is held against upward movement by means of a latch 18, in the provision of which latch the invention primarily resides.

The latch 18 consists of a finger 19 which is secured to a stud 20 and is provided with a nose 21. The stud 20 is journaled in an aperture 22 in the web 14 of the strip 10, and is provided with a countersunk head 23. The head 23 has a kerf 24 therein for coaction with a screw driver, and, when the head 23 is turned in one direction, the nose 21 on the finger 19 is swung through an aperture 25 in the side of the groove 12. The strip 11 is provided with an aperture 26 which registers with the aperture 25 when the strip 11 is in position, and the nose 21, after passing through the aperture 25 in the strip 10, enters the aperture 26 in the strip 11, effectively locking the strip 11 against movement. In order to prevent the nose 21 from accidentally working out of the aperture 26 in the strip 11, the finger 19 is provided with a small projection 27 which presses resiliently against the rear face of the web 14 and snaps into an aperture 28 in that face when the latch is in locked position.

When it is desired to remove a sash from the guide, it is merely necessary to raise the sash into a position wherein the head 23 of

the latch is exposed in the channel of the guide, insert a screw driver in the kerf 24 of the head 23, turn the head to withdraw the nose 21 from the aperture 26 in the strip 11 and remove the released strip.

I claim:

1. In a sash guide, a removable side wall, and a latch engageable with the removable side wall to hold the same in position.

2. In a sash guide, a removable side wall, and a latch engageable with the removable side wall to hold the same in position, said latch being operable from the front of the guide when the sash is raised.

3. In a sash guide, a fixed strip having an aperture therein, a detachable strip having an aperture therein in register with the aperture in the fixed strip, a member extending through said apertures to prevent movement of the detachable strip, and means for retracting said member.

4. In a sash guide, a fixed strip having an aperture therein, a detachable strip having an aperture therein in register with the aperture in the fixed strip, a member extending through said apertures to prevent movement of the detachable strip, and means operable from within the space normally occupied by the sash for retracting said member.

5. In a sash guide, a fixed strip, a removable sash-retaining strip, and a movable latching member engageable with said sash-retaining strip to hold the same in position.

6. In a sash guide, a fixed strip, a removable sash-retaining strip, and a pivoted latching member engageable with said sash-retaining strip to hold the same in position.

7. In a sash guide, a fixed strip, a removable sash-retaining strip, a stud journaled in the fixed strip, a latching member secured to the stud for engagement with said sash-retaining strip when swung in one direction, and a slotted head on said stud for coaction with a screw driver.

8. In a sash guide, a removable sash-retaining strip, a latching device engageable with said strip to hold the same in position, and means for preventing inadvertent movement of the latching device.

9. In a sash guide, a sheet metal strip adapted to be fixedly attached to the jamb of a window in which the sash is to be mounted, another sheet metal strip adapted to be detachably secured to the fixed strip in such a way as to form therewith two spaced side walls of a groove for receiving the sash, and readily releasable means for holding the detachable strip against displacement with respect to the fixed strip comprising a locking member carried by one of the strips and projecting into a recess in the other strip, and means to yieldingly resist retraction of the member from the recess.

10. In a sash guide, a sheet metal strip adapted to be fixedly attached to the jamb of a window in which the sash is to be mounted, another sheet metal strip adapted to be detachably secured to the fixed strip in such a way as to form therewith two spaced side walls of a groove for receiving the sash, means for interlocking the detachable strip with the fixed strip, and readily releasable means for holding the detachable strip in interlocked position with respect to the fixed strip comprising a locking member carried by the fixed strip and projecting laterally into an aperture in the detachable strip with the projecting end of the member exteriorly exposed on the detachable strip side of the guide to permit the member to be pushed back out of the recess, and means to yieldingly resist backward movement of the member.

In testimony whereof I have hereunto subscribed my name.

JOHN F. LEVAN.