A. ABRAHAM.

WINDOW ATTACHMENT.

APPLICATION FILED JAN. 22, 1914.

1,139,008. Patented May 11, 1915.

Fig. 1.

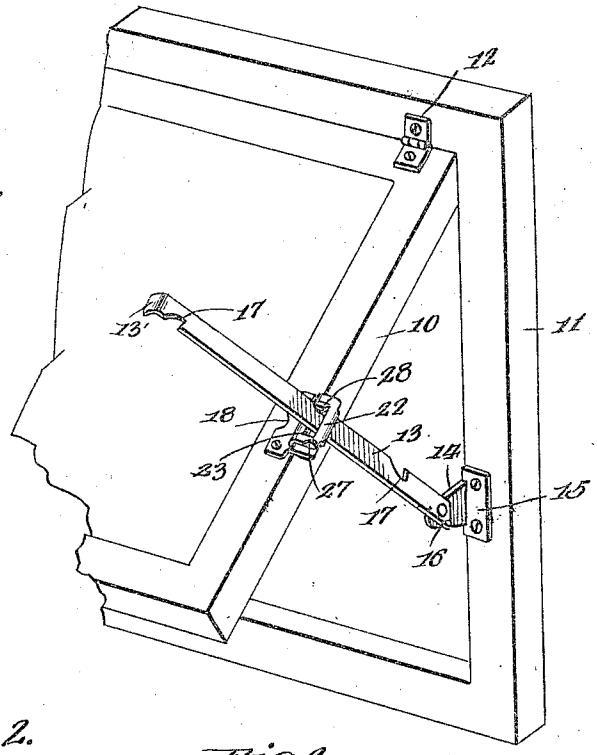


Fig. 2.

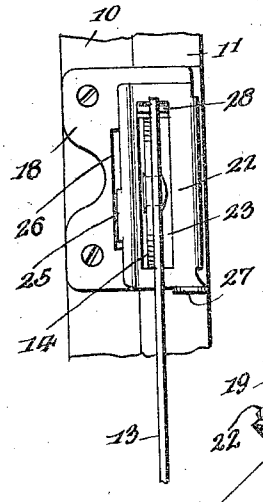


Fig. 3.

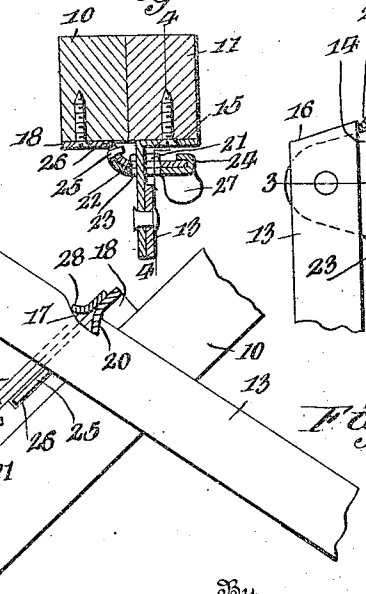


Fig. 4.

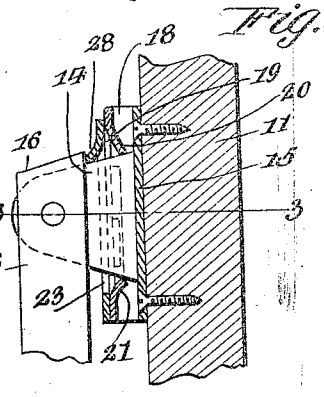


Fig. 5.

Witnesses

G. M. Spring.

Wm. J. Woodward.

Inventor

Adolph Abraham,

By Richard Bevan

his Attorney

UNITED STATES PATENT OFFICE.

ADOLPH ABRAHAM, OF ROCKFORD, ILLINOIS.

WINDOW ATTACHMENT.

1,139,003. Specification of Letters Patent. Patented May 11, 1915.

Application filed January 23, 1914. Serial No. 813,795.

To all whom it may concern:

Be it known that I, ADOLPH ABRAHAM, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Window Attachments, of which the following is a specification.

This invention relates to an improved window attachment, and the principal object of the invention is to provide an attachment which may be used for releasably holding the window in an open position, and which may be released from the outside to permit the window to close.

Another object of the invention is to so construct the attachment that when the window is closed, it can not be opened from the outside.

Another object of the invention is to so construct the attachment that the same means may be used for releasably holding the window in an open position and for securely locking the window in a closed position.

This invention is illustrated in the accompanying drawings wherein—

Figure 1 is a perspective view of one end portion of a window with the improved attachment in place. Fig. 2 is an elevation of the attachment in the closed position; Fig. 3 is a transverse sectional view taken along the line 3—3 of Fig. 4; Fig. 4 is a sectional view taken along the line 4—4 of Fig. 3; and Fig. 5 is a fragmentary view showing the manner in which the device holds the window in the open position.

The window 10 is connected with the frame 11 by means of the hinges 12 and is intended to be swung inwardly so that material, such as coal, may be poured into the coal bin through the window, and the window then closed without it being necessary for the driver to enter the house.

The latch bar 13 is pivotally connected with the tongue 14 by the pivot bracket 15, and has its inner end 16 cut at an angle shown in Figs. 1 and 4 to form a cam surface, the object of which will be hereinafter brought out. This latch bar is provided with notches 17 which are intended to be engaged by a latch carried by the window 10 so that the window may be held open as shown in Fig. 1. The free-end portion of the latch bar is bent to form a stop 18 to prevent the window from becoming disnected from the latch bar.

A latch-carrying plate 18 which may constitute a guide for the bar 13 is secured to the window frame and is provided with a slot 19 through which the bar 13 passes and which is of such size that the tongue 14 may pass through it to permit the window to shut tightly. A tongue 20 extends from the upper end of the slot 19 and is extended to engage the notches 17 as shown in Fig. 5 to hold the window in an open position. A supporting tongue 21 extends from the lower end of the slot 19 and is engaged by the lower edge of the bar 13 when the window is closing to support the bar and permit the bar to swing downwardly.

A sliding latch plate 22 is carried by the bracket 18 and is provided with a slot 23 which registers with the slot 19 so that the bar 13 may pass through the latch plate. This latch plate is provided with a side flange 24 extending about the outer edge of the bracket 18 and is provided with a tongue 25 which extends through a slot 26 to limit the sliding movement of the latch plate. A lip 27 is provided to permit the latch plate to be easily moved. From the upper end of the slot 23 there extends a tongue 28 for engaging the bar 13, as shown in Fig. 4, to hold the window in a closed position and prevent the window from being opened from the outside.

It should be noted that all of the parts of this window attachment are preferably formed of sheet metal which is bent to assume the proper shape, but if desired, the various parts may be cast.

The operation of this device is as follows: When it is desired to open the window, the latch plate is raised a sufficient amount to permit the latch bar 13 to be raised and the window is then opened as far as desired and held in the open position by the tongue 20 engaging one of the notches 17. Coal can then be poured through the open window, and when it is desired to close the window, it is simply necessary to move the window inwardly a sufficient distance to release the latch bar and permit it to drop upon the guiding tongue 21. The window can then close, and in doing so the bar 13 will gradually swing to the lowered position shown in Fig. 4. When the cam edge 16 engages the tongue 28, it will raise the latch plate a sufficient distance to permit the latch bar to

drop to the position shown in Fig. 4 and the latch plate will then drop to its lowermost position with the tongue 28 positioned behind the upper end of the latch bar to securely hold the window in a closed position and prevent the window from being opened from the outside. The notch 17′ is engaged by the tongue 21 when the window is opened the full extent.

It will thus be seen that the driver of the coal wagon can dump the coal in through the cellar window and then close the window from the outside without it being necessary for the driver to enter the house or climb over the coal bin to close the window. After the window has been closed, it will be impossible to open the window from the outside since the attachment is secured to the inner side of the window frame and therefore can not be reached from the street. It should also be noted that the bar 17 serves to hold the window in an open position and also serves to lock the window in a closed position, the inner end of the bar automatically moving the latch plate to a position to permit the bar to drop to the position shown in Fig. 4 and prevent the window from being opened from the outside.

What is claimed is:

1. A window attachment comprising a latch-holding bracket, a latch slidably connected with said latch-holding bracket, a latch bar extending through said latch and bracket and provided with means for releasably connecting said bar with said bracket, and securing means for said bar pivotally connected with the inner end thereof, said bracket and latch moving upon said securing means to permit said latch to engage the inner end of said bar.

2. In combination a support, a closure pivotally connected with said support, a bracket carried by said support and provided with a tongue, a latch bar pivotally connected with said tongue, a latch bracket carried by said closure and slidably connected with said latch bar to releasably engage the same and releasably hold said closure at a desired angle, and a latch plate slidably connected with said latch bracket and provided with means for engaging the inner end portion of said latch bar to releasably hold said closure in a closed position.

3. In combination a support, a closure hinged to said support, a bracket carried by said support and provided with a tongue, a latch plate carried by said closure and provided with a slot, a tooth at the upper end of said slot, a latch bar pivotally connected with said tongue and extending through said slot and provided with notches for engagement by said tooth, a plate slidably mounted upon said latch bracket and provided with a tooth, the tooth of said plate engaging the inner-end portion of said latch bar to releasably hold said closure in a closed position.

4. An attachment of the character described comprising a latch bar, a securing bracket for said latch bar pivotally connected with the same, the inner end of said latch bar being cut to form a cam, a latch bracket slidably connected with said latch bar and releasably engaging the same, a latch slidably connected with said latch bracket for releasably engaging the inner-end portion of said latch bar when said latch bar is in a lowered position, the cam end of said latch bar automatically moving said latch to a position to permit said latch bar to be swung to a lowered position.

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

ADOLPH ABRAHAM.

Witnesses:
JOSEPHINE DANFORTH,
H. B. ANDREWS.