

June 4, 1929.

H. B. STEIN

1,715,957

SASH FASTENING MEANS

Original Filed April 28, 1927

2 Sheets-Sheet 1

Fig. 1

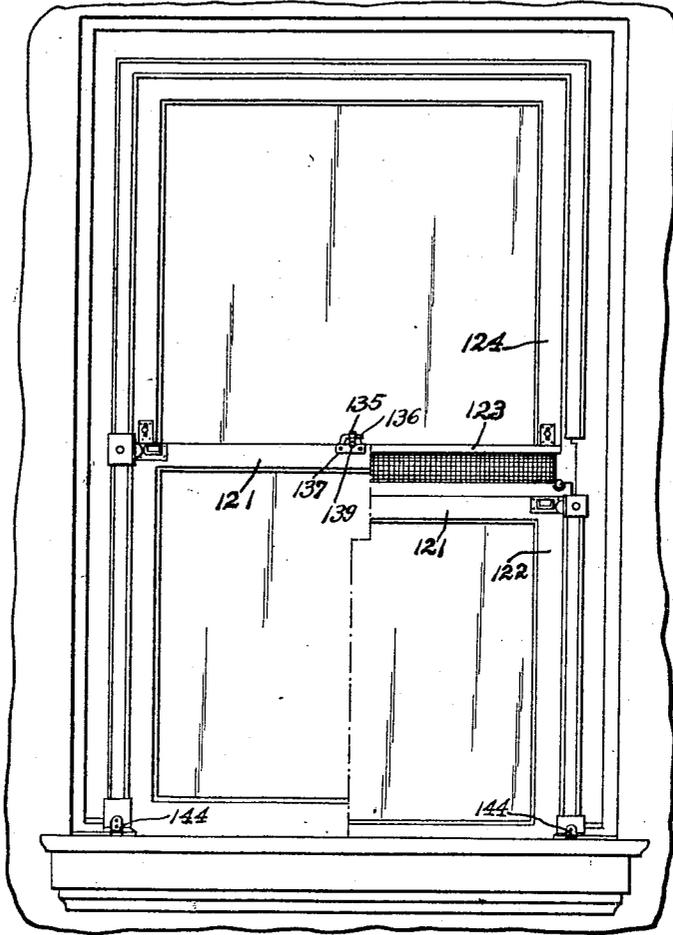
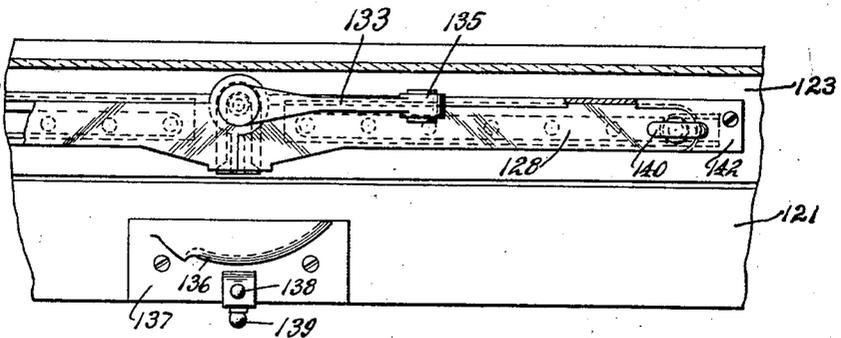


Fig. 2



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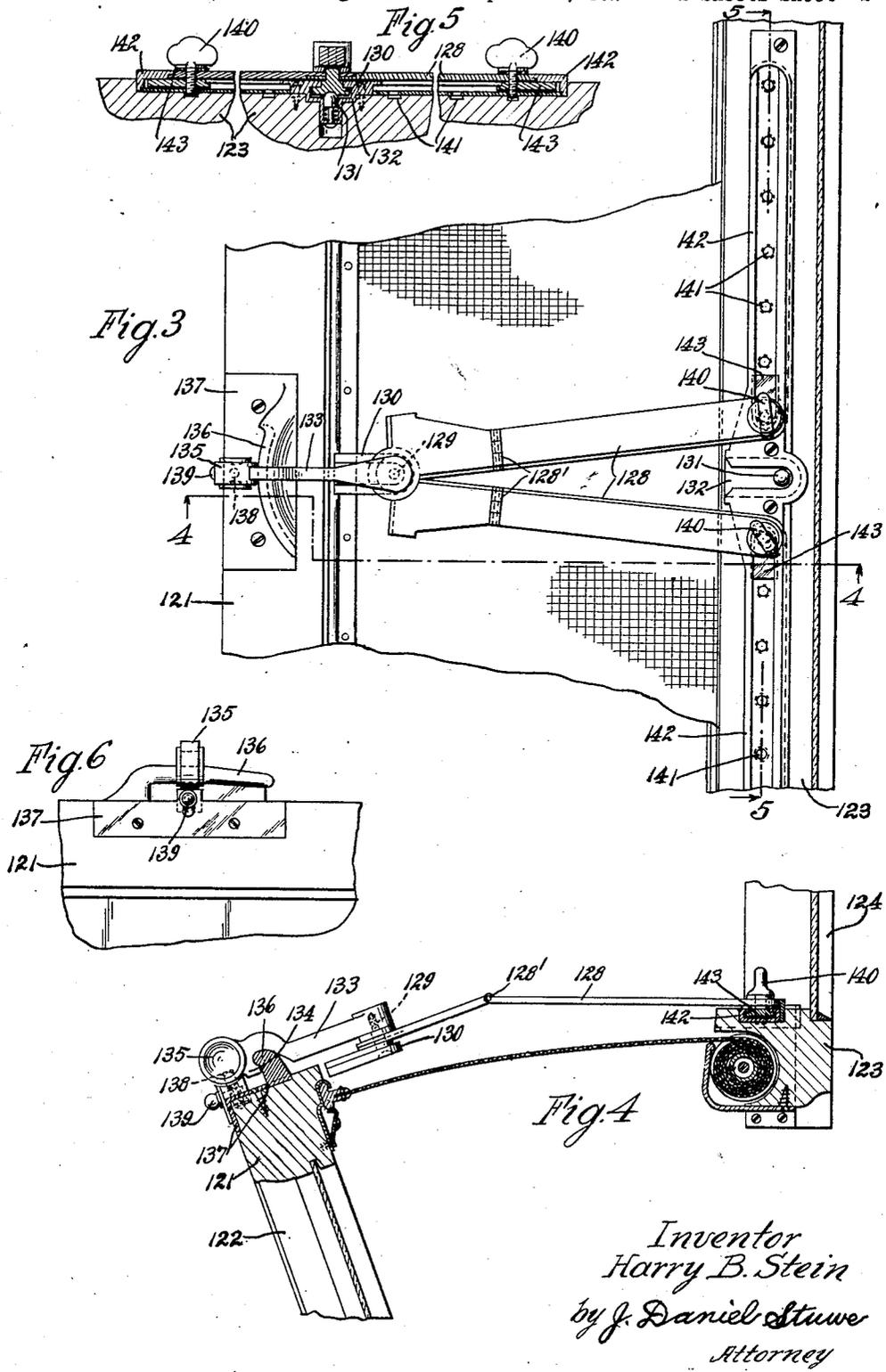
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2 Sheets-Sheet 2



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# UNITED STATES PATENT OFFICE.

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## SASH-FASTENING MEANS.

Original application filed April 28, 1927, Serial No. 187,374. Divided and this application filed November 12, 1927. Serial No. 232,798.

My invention relates to sash fastening means, and more particularly to means for locking sashes in various open positions as well as in the closed position.

5 The main object of my invention is to provide means for fastening swingable sashes and also slidable sashes in certain selected open positions and in the closed position, and so as to be held burglar-proof in any one of such positions. A further object is to provide such fastening means with spreading arms and means on their free ends for selectively setting or adjusting the spread of said ends on the meeting rail of one sash, according to the opening of the sashes desired. Another object is to provide a normally concealed friction catch for locking the means on the two sashes together to hold the means and the sashes burglar-proof in the various open and the closed positions.

Other objects and advantages are attained with my invention, as will become apparent from the following description, taken in connection with the accompanying drawings.

This application is a division of applicant's prior application for patent on window construction, Serial No. 187,374, filed April 28, 1927.

Referring to the drawings,—

Fig. 1 illustrates my sash fastening means applied to swingably mounted sashes, which are shown in elevation with the right-hand half of the lower sash swung partly open;

Fig. 2 is an enlarged plan view of the locking means shown in the released or open position, to permit the sliding of one sash alongside the other sash;

Fig. 3 is likewise a plan view of said means, but showing the parts in locked position, for fastening the lower sash in a selected open position;

Fig. 4 is a vertical section on line 4—4 of Fig. 3;

Fig. 5 is a vertical section, substantially on line 5—5 of Fig. 3, but showing this fastening means in the sash-closed and fastened position; and

Fig. 6 is an end view of this fastening means, from the inside of the room.

The present form of construction, as illustrated in the drawings, is especially adapted for fastening or securely fastening a sash or sashes, swingable or slidable sashes, in the closed position and also in various

open positions, so as to be retained burglar-proof in such position. This construction comprises means mountable stationary on the meeting rail 121 of the lower sash 122, and means mountable adjustably and movably on the meeting rail 123 of the upper sash or companion sash 124. This adjustably mounted means comprises a pair of spreading arms 128 having a hinge 128' in each, and being connected by a pivot element 129 which has a plate 130 forming its lower head and containing a notch for receiving a spring-pressed friction catch 131, which is movable in a case 132 set into the meeting rail 123 of the upper sash 124, when said sash is closed. An arm 133 is swingably connected to said arms 128, on pivot element 129, and has a catch or hook 134 and a head 135 adjacent thereto, at its end.

The means mountable on the other sash comprises a ridge member including a curved ridge 136 provided on a plate 137 which is fastened on the meeting rail 121 of said other sash or lower sash 122, and the hook 134 engages or clasps behind this curved ridge 136, to hold the two means and thereby the two sashes together.

The concealed fastening means comprises a normally concealed or secret friction catch 138, with a knob 139, which is slidably mounted in said plate 137 for engaging in a suitable bore provided in said head 135 on swingable arm 133, to fasten said arm fast on said ridge and plate, and fasten said sashes in the selected open or closed position.

Fastening elements or fastening pins 140 are also provided in the free ends or spreading ends of arms 128, preferably in the form of thumb screws, and they extend through holes in said arms and into threaded holes 141 provided in channeled bars or arms 142 which extend from a top yoke portion on said case 132, in opposite directions, over the meeting rail 123 of the upper sash. A filler plate or washer 143 may also be provided at the end of each fastening pin, to steady and firmly retain the pin, and is slidable in the channel portion of said channel bar 142.

The construction disclosed herein is shown in connection with the swingable sash 122 which is swingable into the room, on hinge means 144, at the lower end of said sash; and it is apparent from the above disclosure that this fastening means permits such a

swingable sash to be fastened selectively in the various open positions and in the closed position, to be retained burglar-proof in such selected position.

5 What I claim as my invention and desire to secure by Letters Patent is:

1. Sash fastening means comprising a curved ridge member mountable stationary on one sash, a locking arm having means for  
10 swingably mounting it on the companion sash and having a hook for clasping behind the ridge on said member, a head with a bore on said arm adjacent said hook, and a normally concealed friction catch slidably  
15 mounted in said member to engage in said bore and fasten said arm to said member.

2. Sash fastening mechanism comprising means mountable on one sash, and means provided with an element for engaging said  
20 first means and including spreading arms and fastening elements on their spreading ends to engage the second sash for fastening said arms in various selected positions on the second sash, to hold the sashes in any one of  
25 various open positions.

3. Sash fastening mechanism comprising means mountable on one sash, a pair of spreading arms pivotally connected and having pins for selectively fastening their  
30 spreading ends on the meeting rail of the second sash to suit the desired positions of the sashes, and means attached to the pivotal connection of said arms for fastening them to the means on the first sash.

35 4. Sash fastening mechanism comprising means mountable on the meeting rail of one

sash, a bar with spaced openings mountable on the meeting rail of the second sash, pivotally connected arms having pins in their free ends for engagement in predetermined  
40 one of said openings to adjust the spread of said arms, and an arm connected to said arms to fasten them to the means on the first sash.

5. Sash fastening mechanism comprising  
45 a ridge member mountable on one sash, a pair of pivotally connected arms and means for fastening their spreading ends on the second sash, a swingable arm on the pivotal connection of said arms and having means  
50 for engaging behind the ridge on said member, and normally concealed catch means for fastening said swingable arm on said member.

6. Sash fastening mechanism comprising  
55 a ridge member mountable on one sash, bar means with holes mountable on the second sash, a pair of pivotally connected arms which have pins in their free ends to be threaded in said holes in the bar means for  
60 adjusting the spread of said arms, a swingable arm pivoted at the connection of said arms and having a hook to engage said ridge, and a concealed spring-pressed friction catch in said member to engage in said swingable  
65 arm and hold it on said member, thereby fastening the sashes in the desired open position.

In testimony whereof I have signed my name to this specification.

HARRY B. STEIN.