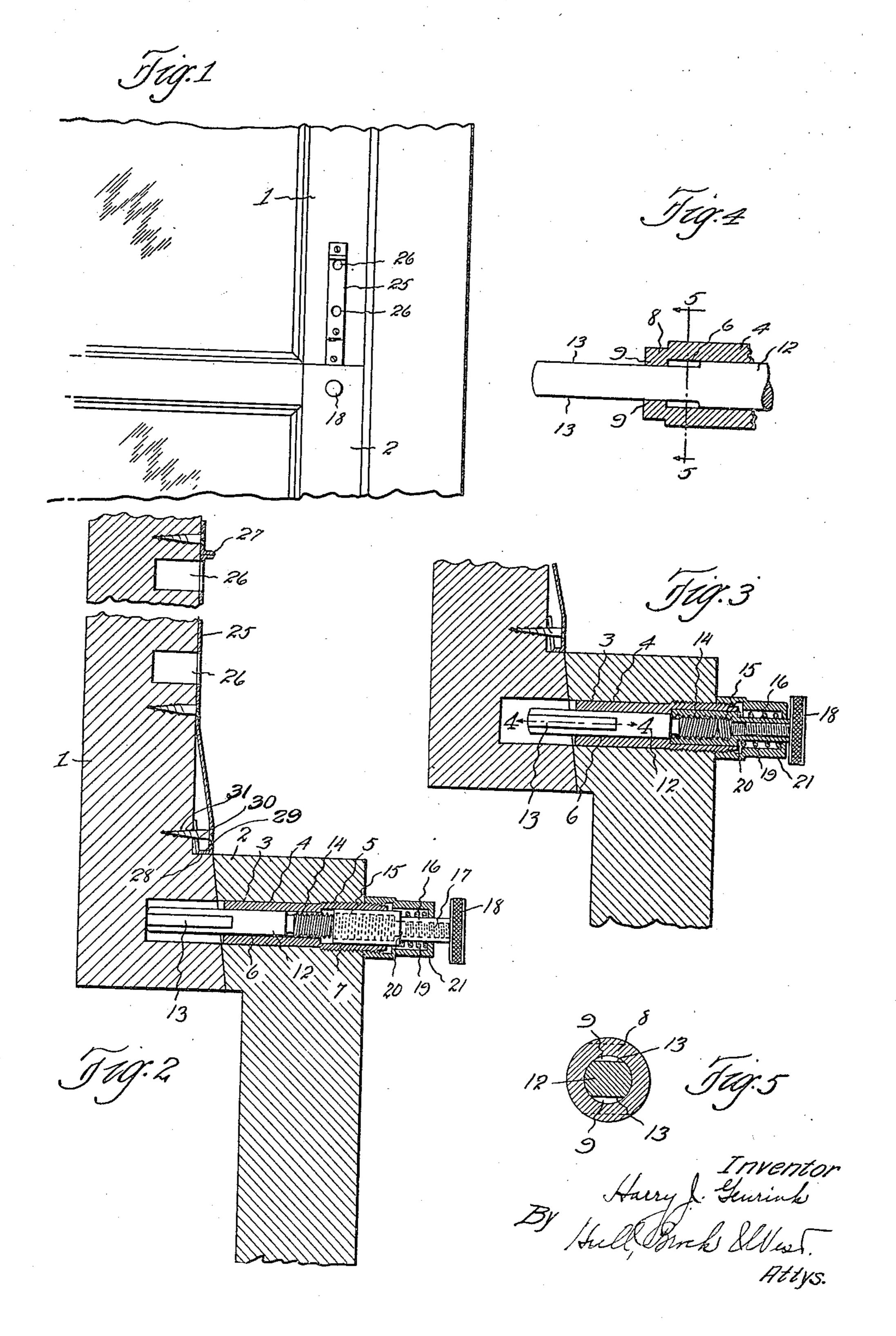
H. J. GEURINK.
SASH HOLDER.
FILED MAY 2, 1921.



## UNITED STATES PATENT OFFICE.

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## SASH HOLDER.

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To all whom it may concern:

fastening means for attaching the device; to on the external thread 5 of the bushing. provide a device which shall be simple in The upper sash 1 is fitted with a metallic as the description proceeds.

have shown one form of my invention but strip 25 is bent upon itself adjacent the up-30 without intent to limit myself thereto. Fig. per recess to act as a stop 27 for said last re- 85 1 is a detail view in elevation of a portion cess as will be more fully explained hereinof a window with my device attached there- after, and the lower end of the strip is flared to; Fig. 2 is a vertical sectional view show- outwardly to be flush with the usual projecing my latch in the locked position; Fig. 3 tion 28 formed in the lower transverse rail 35 is a similar view showing the bolt partly of the upper sash. As clearly shown in Fig. 90 withdrawn from the locking recess; Fig. 4 2 the lower end of the strip is bent inwardly is a detail sectional view taken on the line at substantially right angles as indicated at

rious parts illustrated 1 and 2 indicate, re-through the lower end of the strip and is 45 sash and partly into the upper sash when with the edge of the lower transverse rail of 100 said sashes are in the closed position. A the upper sash. bushing 4 having an external thread 5 is In operation, the knob 18 is rotated in a held firmly therein since the hole 3 is prefer-50 ably of such diameter that the threaded portion 5 will cut its own thread in the wood. The bushing 4 is provided with a bore 6 ex-left handed threaded projection 14 is un-55 4 and 5, the inner end of the bushing is pref- knob 18 may be rotated until the bolt is com- 110

erably crimped as indicated at 8 to form the Be it known that I, Harry J. Geurink, a opposed projections 9-9 across the bore 6. citizen of the United States, residing at A bolt 12 having opposed flattened portions Cleveland, in the county of Cuyahoga and 13-13 is slidably and non-rotatably mount-5 State of Ohio, have invented a certain new ed in the bore 6, said flattened portions being 60 and useful Improvement in Sash Holders, of in contact with the opposed projections 9—9 which the following is a full, clear, and at all positions of the bolt to prevent rotaexact description, reference being had to tion thereof. The inner end of the bolt is the accompanying drawings.

formed with a left handed thread 14 which This invention relates to devices for se- is adapted to be received by an internally 65 curing window sashes and has for its objects, threaded member 15 which is rotatably to provide a device of this character which mounted in the counterbore 7. A projecshall be capable of locking the sashes in the tion 16 of reduced diameter extends from closed position or in any of a series of open the member 15 and said projection is pro-15 positions; to provide a device which shall vided with an internal thread 17 which re- 70 be so constructed that it shall be necessary ceives the threaded portion of an operating to rotate the operating handle before the knob 18. In order to retain the receiving bolt can be withdrawn and the window un- member 15 in contact with the end of the latched; to provide a device which shall se- left handed threaded portion of the bolt at 20 curely lock the window and which shall not all times, I insert a spring 19 between the 75 depend upon the use of screws or similar shoulder 20 and the cap 21 which is threaded

construction, inexpensive to manufacture strip 25 which is provided with a series of 25 and easily attached to the window, while bores 26 which also extend into the sash and 80 further objects and advantages will appear form locking recesses for the bolt 13 when the upper sash is lowered to variable dis-In the accompanying drawing wherein I tances for ventilation. The upper end of the 4—4 of Fig. 3; and Fig. 5 is a sectional view 29 and then upwardly at an angle as inditaken on the line 5—5 of Fig. 4. cated at 30 to form a support for the flared Describing by reference characters the va-end of said strip. A screw 31 projects 95 spectively, the upper and lower sashes of a screwed into the sash, and by turning said window which are to be locked. In practice screw inwardly the flared portion of the a small hole 3 is bored through the lower strip can be drawn inwardly until it is flush

screwed into the lower sash 2 and will be clockwise direction which rotates the receiving member 15 in a similar direction and hence causes the bolt 12 to be projected into 105 the locking recess in the upper sash since the tending therethrough and a counterbore 7 screwed from the socket member. In pracadjacent its outer end. As shown in Figs. tice the parts will be so arranged that the

5 the projections 9-9. The sashes are then ment of said members as a unit. 10 clockwise direction and since the spring 19 ed in said bushing, an actuating member, 75 15 the recess in the upper sash as indicated in longitudinal movement of said bolt and ac- 80 Fig. 3. The knob 18 is then pulled out-tuating member as a unit. wardly against the tension of spring 19 to 3. A device of the class described com-20 position and it is desired to lower the upper a bolt slidable in said bushing, actuating 85 25 sash. As the sash is moved a greater dis- ing. 30 time the bolt will be projected a short dis- mounted in said bushing and having a 95 35 recess 26 although the sash may be moved a threaded on one end of said bushing and 100

sashes are locked in any position the bolt 12 40 cannot be withdrawn therefrom by driving lock it is only necessary to drill a small hole gitudinally of said bushing. 50 in the upper corner of the lower sash of such 6. The combination with an upper and a 115 55 may be drilled simultaneously.

While I have shown and described my lock as applied to a window sash, it is obvious that such lock can be used for locking any members which are mounted in a similar

60 relationship.

Having thus described my invention, what

I claim is:

1. A device of the class described comprising an entering member and an actuating upper sash, a bolt slidable longitudinally 65 member, means interposed between said

pletely disengaged from the receiving mem- members whereby rotation of said actuating ber at which point the bolt will be stopped member will cause longitudinal movement by the shoulders formed therein by virtue of of said entering member and additional the flattened portion 13-13, contacting with means for permitting longitudinal move-

locked in the closed or partly opened posi- 2. A device of the class described compristion depending upon which recess the bolt is ing a bushing, means on the exterior surface engaged in. When it is desired to unlock thereof for securing said bushing in an aperthe sashes the knob 18 is rotated in a counter ture formed in a sash, a bolt slidably mounturges the receiving member 15 into contact means interposed between said bolt and said with the threaded end of the bolt, it will im- member whereby rotation of said member mediately pick up the left handed thread on will cause longitudinal movement of said said bolt and partly withdraw the bolt from bolt, and additional means for permitting

completely withdraw the bolt and if the win- prising a bushing, means for securing said dow has been previously locked in the closed bushing in an aperture formed in a sash, sash or raise the lower sash for ventilating means for moving said bolt longitudinally purposes, the sash to be opened is moved of said bushing and additional means for slightly while the knob 18 is held outwardly simultaneously moving said bolt and said to cause the bolt to engage the face of the actuating means longitudinally of said bush-

tance, the knob may be released and the bolt 4. A device of the class described comwill contact with the strip 25 against the prising a bushing, an external thread on tension of spring 19 until a locking recess 26 said bushing for securing the same in a comes in alignment with said bolt, at which sash, a bolt slidably and non-rotatably tance into said recess. The knob 18 is then threaded portion, a receiving member havrotated in the proper direction to lock the ing a co-operating thread, means for rosashes as previously described. The stop 27 tating said receiving member to cause lonprevents the bolt from over-riding the last gitudinal movement of said bolt, a cap greater distance by pulling outwardly on tension means interposed between said cap knob 18 against the tension of spring 19. and said receiving member for normally It will thus be apparent that when the urging said bolt and member in one direction.

5. The combination with an upper and a 10? a nail through the sash from the outside lower sash, of a bushing secured in an apersince the bolt abuts the receiving member ture in said lower sash in transverse alignand can only be withdrawn by rotation of ment with said upper sash, a bolt movable said receiving member. It will also be ap- longitudinally of said bushing and into and parent that no screws are used for attaching out of engagement with a recess in said up- 110 the locking parts which could be jimmied per sash, actuating means for moving said loose from the wood and hence release the bolt, and additional means for moving said whole lock from the sash. In installing the actuating means and said bolt as a unit lon-

diameter as to permit the bushing 3 to be lower sash, of a bushing threaded in an screwed therein and then drill the locking aperture in said lower sash in transverse recesses 26. In practice the hole 3 and lock-alignment with said upper sash, a bolt moving recess for closed position of the sashes able longitudinally of said bushing into and out of engagement with a recess in said up- 120 per sash, actuating means for moving said bolt into said recess and additional means for moving said actuating means and said bolt as a unit longitudinally of said bushing to disengage said bolt from said recess. 12:

7. The combination with an upper and a lower sash, of a bushing secured in said lower sash in transverse alignment with said of said bushing and of a recess formed in 130

said upper sash, means associated with said finishing strip to cause the same to lie flush bushing for preventing rotation of said bolt, a receiving member rotatably mounted in said bushing and adapted to be operatively 5 connected with said bolt, means for rotating said receiving member to move said bolt longitudinally of said recess, and additional means for moving said bolt and said receiv- ceive said bolt to lock said sashes in vary-

ing positions, a metal finishing strip fas- rail of said upper sash. tened to said upper sash and provided with a plurality of apertures disposed in align-signature. 20 ment with said bolt receiving apertures, and means for adjusting the lower end of said

with the lower rail of said upper sash.

9. The combination with an upper and a lower sash, of a bolt secured to said lower 25 sash in transverse alignment with said upper sash, said upper sash being provided with a plurality of apertures adapted to reing member simultaneously to withdraw ing positions, a metal finishing strip fas- 30 10 said bolt from said recess. tened to said upper sash and provided with 8. The combination with an upper and a a plurality of apertures disposed in alignlower sash, of a bolt secured to said lower ment with said bolt receiving apertures, the sash in transverse alignment with said up- lower end of said strip being flared outper sash, said upper sash being provided wardly and fastening means for said flared 35 15 with a plurality of apertures adapted to re- portion adapted to draw the lower end of ceive said bolt to lock said sashes in vary- said strip flush with the edge of the lower

In testimony whereof, I hereunto affix my

HARRY J. GEURINK.

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