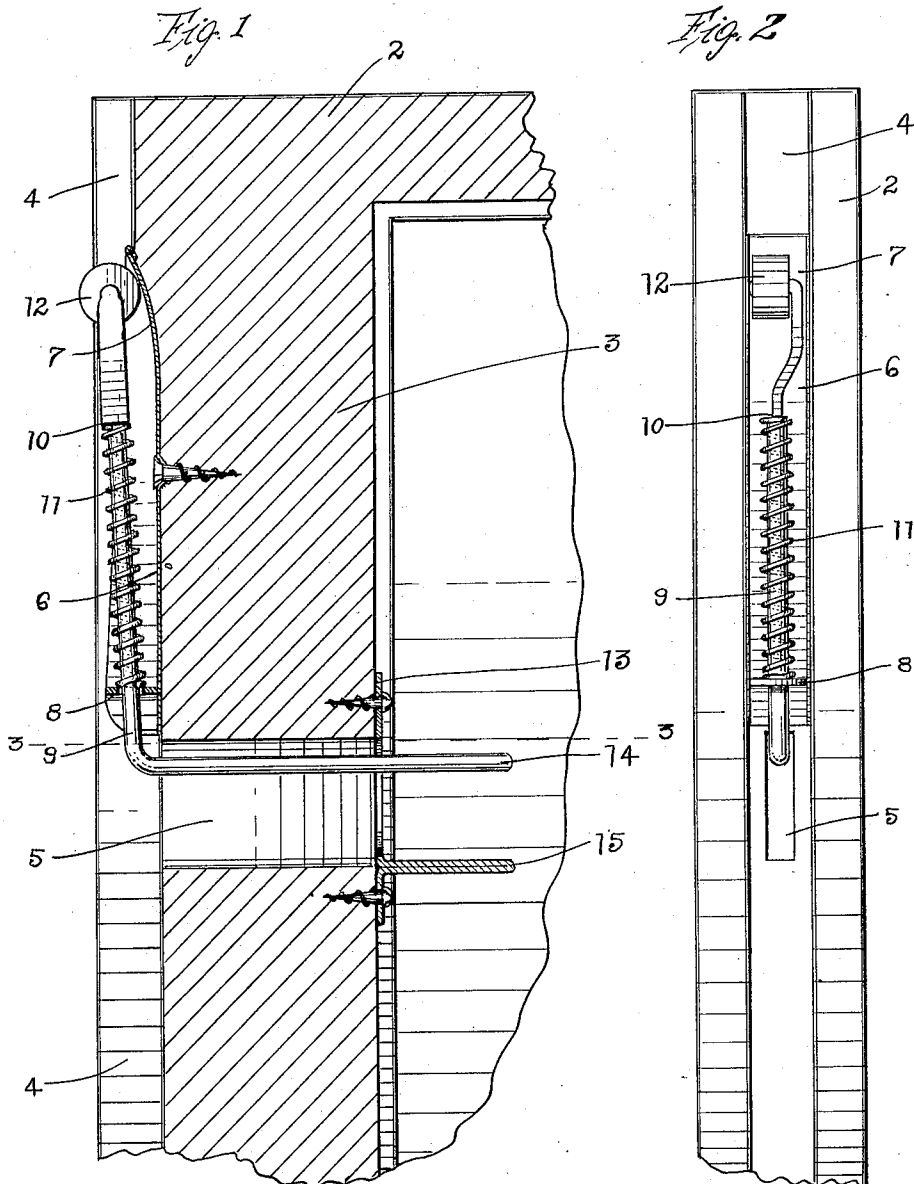


G. WEDEL.
SASH HOLDER.
APPLICATION FILED FEB. 8, 1913.

1,083,643.

Patented Jan. 6, 1914.

2 SHEETS-SHEET 1.



G. Wedel. Inventor

Witnesses
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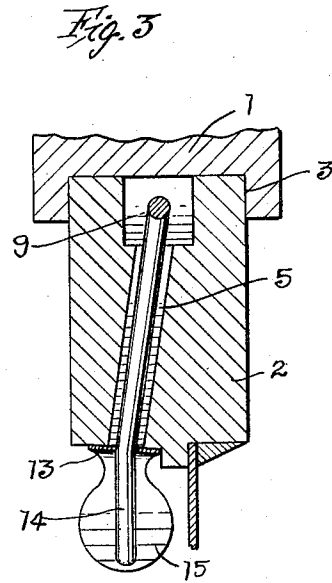
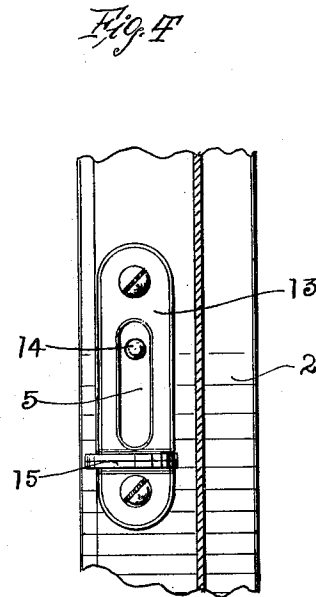
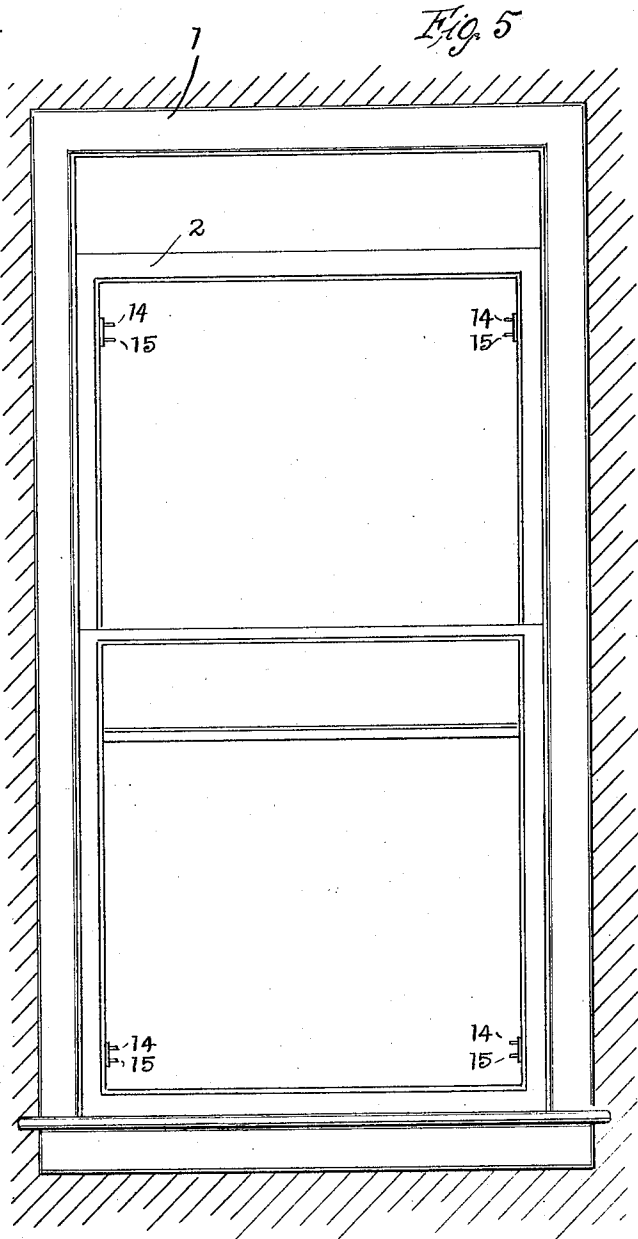
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UNITED STATES PATENT OFFICE.

GEORGE WEDEL, OF GOTEBO, OKLAHOMA.

SASH-HOLDER.

1,083,643.

Specification of Letters Patent.

Patented Jan. 6, 1914.

Application filed February 8, 1913. Serial No. 747,132.

To all whom it may concern:

Be it known that I, GEORGE WEDEL, a citizen of the United States, residing at Gotebo, in the county of Kiowa and State of Oklahoma, have invented certain new and useful Improvements in Sash-Holders, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to new and useful improvements in sash holders and more particularly to a device for retaining the sash in various adjusted positions in the window frame and my object is to provide a device which will eliminate the use of sash cords and weights.

A further object of the invention resides in providing a substantial wedging means on the sash adapted to bind between the side of the frame and the one stile of the sash to retain the latter in any adjusted position and a further object resides in providing a means for manually operating the same.

Still another object of the invention resides in providing a device which is extremely simple and durable in construction, inexpensive to manufacture and one which will be very efficient and useful in operation.

With these and other objects in view, the invention consists in the novel features of construction, combination and arrangement of parts as will be hereinafter referred to and more particularly pointed out in the specification and claim.

In the accompanying drawing forming a part of this application, Figure 1 is a vertical section through a window frame showing my improved device applied to use in connection with the sash thereof. Fig. 2 is a side elevation of a sash showing the device applied thereto. Fig. 3 is a horizontal section as seen on line 3—3, Fig. 1. Fig. 4 is an inner side elevation of the one stile of a sash showing the operating means for the holder; and Fig. 5 is a front elevation of a window frame with my improved device applied to both the upper and lower sashes thereof.

In describing my invention, I shall refer to the drawing in which similar reference characters designate corresponding parts throughout the several views and in which—

1 indicates a window frame in which is slidably mounted the sash 2, the stile 3 of which is provided on its side edge with the vertical groove 4 similar to the grooves usually provided in the stiles of a sash for

the reception of the sash cords. This groove, however, runs for the greater portion of the length of the stile and is of greater depth than the grooves usually provided in the stiles of a sash.

Extending from the groove 4, to the inner side edge of the stile 3, is a slot or channel-way 5 and mounted in the groove 4, is a channel-shaped plate 6. The rear wall of this channel-shaped plate 6, has the upper portion thereof beveled inwardly from the extreme upper end of the same to provide a short inclined wall 7, and this inclined wall fits within a similarly formed cavity in the rear wall of the groove 4 of this stile. The channel-shaped plate 6 has a lower wall portion 8 formed thereon through which is loosely disposed the one arm of an angular lever arm 9, the other arm being bent at right angles to the last mentioned arm and disposed through the slot 5. The first mentioned arm of the lever 9 has a shoulder 10 formed adjacent its upper end and encircling said arm between said shoulder and the wall 8, is a coil spring 11, the normal tendency of which is to draw said lever arm upwardly so that the horizontal arm portion thereof is disposed adjacent the upper wall of the slot 5. The extreme upper end of the first mentioned arm portion of the lever 9 is bent laterally and has a roller 12 carried thereon, which contacts with the inclined wall 7 of the channel-shaped plate and, in the normal position of the lever, under tension of the spring, has the periphery thereof projected slightly beyond the outer side edge of the stile 3.

Counter-sunk on the inner side edge of the stile 3, is a plate 13, which is provided with a slot therein alining with the slot 5, whereby the one arm of the lever 9 may extend therethrough and this portion of the arm which extends through this slot and beyond the stile 3, forms a finger piece or handle member 14. The lower portion of the plate 13 is bent laterally and formed into an additional stationary piece 15 adapted to cooperate with the aforesaid finger piece 14.

In operation, when it is desired to move the sash in the frame, the operator grasps the finger pieces 14 and 15, and forces downwardly upon the former, which action obviously draws the lever arm 9 downwardly and correspondingly allows the roller 12 to be disposed along the inclined wall 7 until the same is entirely within the groove of the

sash. The sash may then be raised or lowered, as desired, and when the same is adjusted to the desired position, the finger piece 14 is released, whereupon the coil spring 11 will return the lever arm to its initial position, allowing the roller 12 to project beyond the side edge of the stile and bind tightly between the one side of the window frame 1, and the upper end of the inclined wall 7. This binding action will, obviously retain the sash in its adjusted position, until such time as the lever is again released.

In the drawings, I have shown but one of these holders in connection with the one stile of a sash, but it will be understood that one may be used on each stile, if desired, and the device may also be used in connection with screens as well as sashes.

From the foregoing it will be seen that I have provided a simple, inexpensive and efficient means for carrying out the objects of the invention and while I have particularly described the elements best adapted to perform the functions set forth, it is obvious that various changes in form, proportion and in the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the principles of the invention.

Having thus described this invention, what I claim is:—

In a sash fastener, the combination with

the stile of a sash having a vertical groove in the outer side edge thereof and also provided with a slot extending from said groove to the inner side edge of the same, said slot being inclined inwardly from its outer to its inner end toward the inner face of the stile; of a bearing plate mounted in said groove and having an inclined rear wall at its upper end, a right angular lever arm having one arm section thereof disposed in the groove of said stile and the other arm disposed through the inclined slot therein, a bearing roller carried on the upper free end of the vertical arm of said lever disposed in contact with the inclined wall of said bearing plate, spring means in connection with said lever arm to normally dispose the same in its uppermost position to allow portions of said roller to project beyond the outer side edge of the stile, and a finger piece stationarily mounted on the inner side edge of the stile adjacent the slot therein adapted to be used in coöperation with the free end of the adjacent arm of said lever in the operation of the latter.

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

GEORGE WEDEL.

Witnesses:

F. D. LUCAS,

WM. REED.