

(No Model.)

J. W. KALES.
SASH HOLDER.

No. 486,340.

Patented Nov. 15, 1892.

Fig 1

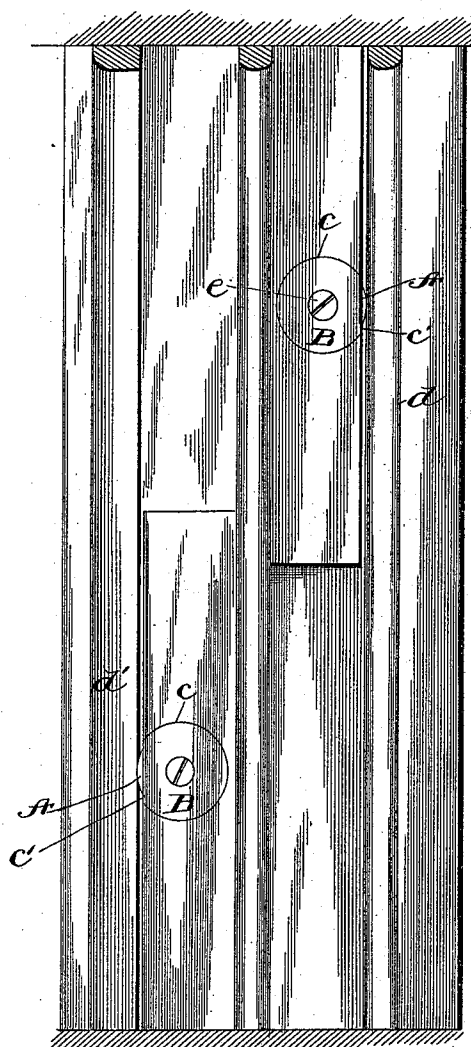


Fig 2

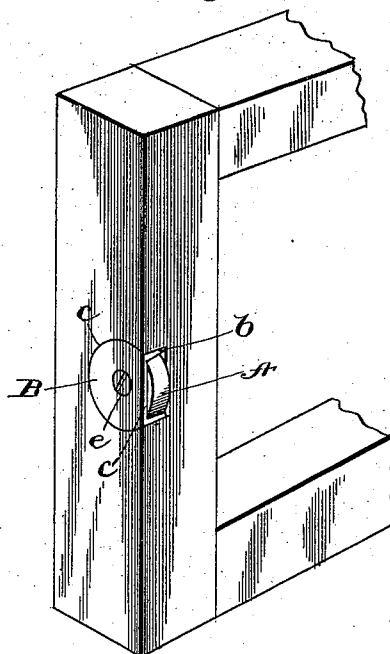


Fig 3

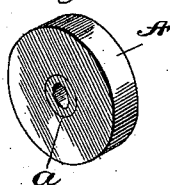


Fig 4

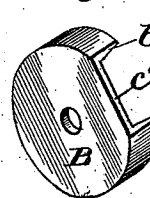


Fig 5



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN W. KALES, OF FRANKLINVILLE, NEW YORK.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 486,340, dated November 15, 1892.

Application filed May 13, 1892. Serial No. 432,890. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. KALES, a citizen of the United States, residing at Franklinville, in the county of Cattaraugus and State of New York, have invented certain new and useful Improvements in Sash-Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in sash-holders; and it has for its object, among other purposes, to prevent the rattling of the sashes, to exclude cold, wind, and dust by producing a close or air-tight joint between the sashes and parting-strips, and to prevent the jamming or wedging of the sashes when swollen from dampness; also, to automatically retain the sashes at any desired point to which they may be raised or lowered.

To these ends my invention consists in the detailed construction and combination of the parts, all substantially as hereinafter more fully disclosed, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view in elevation, partly in section, of a window, showing my invention applied thereto. Fig. 2 is a broken detailed perspective view thereof. Figs. 3, 4, and 5 are detailed views of the roll or wheel, its inclosing case, and washer, respectively.

In the embodiment of my invention I provide each sash with one or more rubber or elastic rolls or wheels A, within the center of each of which is inserted a metallic tubular bearing or bushing *a* for the axial screw described further on, and I inclose or place this roller or wheel in a circular casing or housing B, having a segment or portion removed. The casing or housing B also has one side removed and the edges of that side beveled or tapered, as at *b*, to enable the same to enter the cut or indentation produced by the lips of a boring instrument or auger used to bore a hole or cavity *c* for the reception of said casing or

housing. The cavity or hole *c* is bored from the edge of the stile of the sash and in such manner that a line extending along the face of the stile will cut a segment from said cavity or hole, as at *c'*, thus allowing a slight segment of the roller or wheel A to project there-through and engage the blind-stop *d* of the window-frame in the case of the upper sash, while the roller of the lower sash bears against the inside stop-strip *d'*. Thus a slight space is left between the sashes and the blind and inside stop-strips to allow for the swelling of the sashes in damp weather, and yet the elasticity of the rolls or wheels will keep the sashes tight under all conditions and thus prevent the rattling of the same, exclude dust, cold, and wind, and also automatically retain them at the desired point to which they may be raised or lowered, respectively.

An axial screw *e* is inserted through an aperture in the closed side of the casing B and the tube or bushing *a* in the roll or wheel A, its inner threaded end entering the sash, and upon said axis or screw and between said roller or wheel and the sash is placed a metal washer *f* to prevent frictional contact between the roll or wheel and the sash.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

In a sash-holder, the combination, with an elastic roll or wheel and its axial securing-screw, of the casing or housing therefor adapted to permit said roll or wheel to project therethrough and having the edges of its open side beveled or tapered to enter a cut or indentation in the bottom of the cavity to receive said casing or housing, substantially as set forth.

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

JOHN W. KALES.

Witnesses:

E. S. SCOTT,
A. W. KINGSLEY.