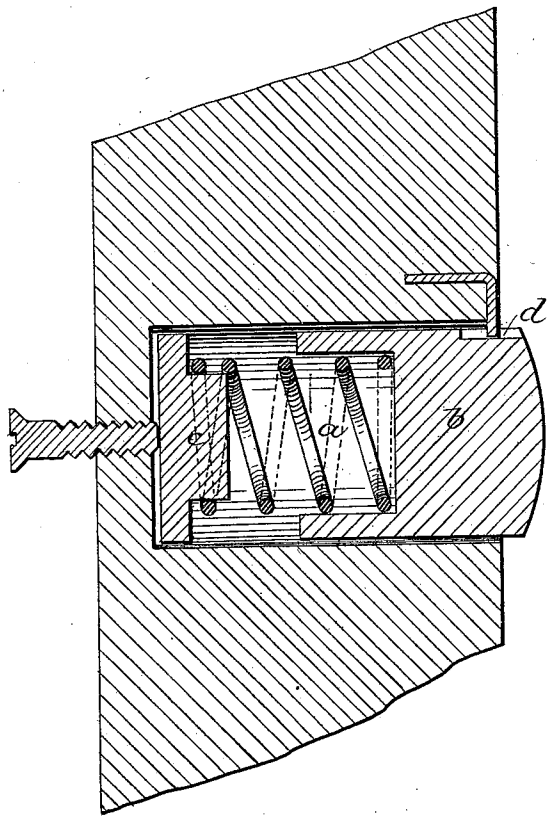
W. C. CURRAN.
Sash Holder.

No. 230,113. Patented July 20, 1880.

Fig. 1.



Witnesses:
Wm. P. Curran
E. W. Cronk

Inventor:
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UNITED STATES PATENT OFFICE.

WALTER C. CURRAN, OF ITHACA, NEW YORK.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 230,113, dated July 20, 1880.

Application filed March 22, 1880. (Model.)

To all whom it may concern:

Be it known that I, WALTER C. CURRAN, of Ithaca, Tompkins county, and State of New York, have invented a new and useful Improvement in Window-Sash Holders, which invention is fully set forth in the following specification, reference being had to the accompanying drawings.

The object of my invention is to provide means of holding a window-sash at any required point, and also to prevent any rattling of the sash by means of friction.

In the drawing, Figure 1 shows a sectional view of the holder in position.

a is a spring pressing against and partially inclosed within a case, *b*, of wood or metal. *c* is a plug, of wood or metal, inserted into the other end of the spring *a* to hold the spring centrally in its place.

The plug *c*, spring *a*, and case *b* are inserted to a proper depth in a hole bored into the edge of the window-sash, and the necessary friction is produced by the pressure of the spring *a* forcing the case *b* outwardly against the window-frame. This pressure of the spring can be regulated, if desired, by a screw, as shown, working through the sash-rail against the back side of the plug *c*.

In one side of the case *b* a small groove, *d*, is formed, extending about three-eighths of an inch from the outer end of the case. A short bent wire is driven into the outer edge of the sash, as shown, so that the outer end of said wire shall project into said groove *d* in the case *b*, and thereby form a stop, to prevent the case from springing out of the hole and being lost when the sash is removed from the window.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination, with a window-sash, suitably recessed, and provided with a guide-wire and an adjusting-screw, of a sash-holder fitting within the recess, and composed of the case C, grooved to receive the guide-wire, the coil-spring *a*, and the plug *c*, all arranged substantially as herein set forth.

WALTER C. CURRAN.

Witnesses:
S. B. ROLFE,
O. P. HYDE.