

A. J. Kramer,

Sash Holder.

No. 110248.

Patented Dec. 20, 1870.

Fig. 1.

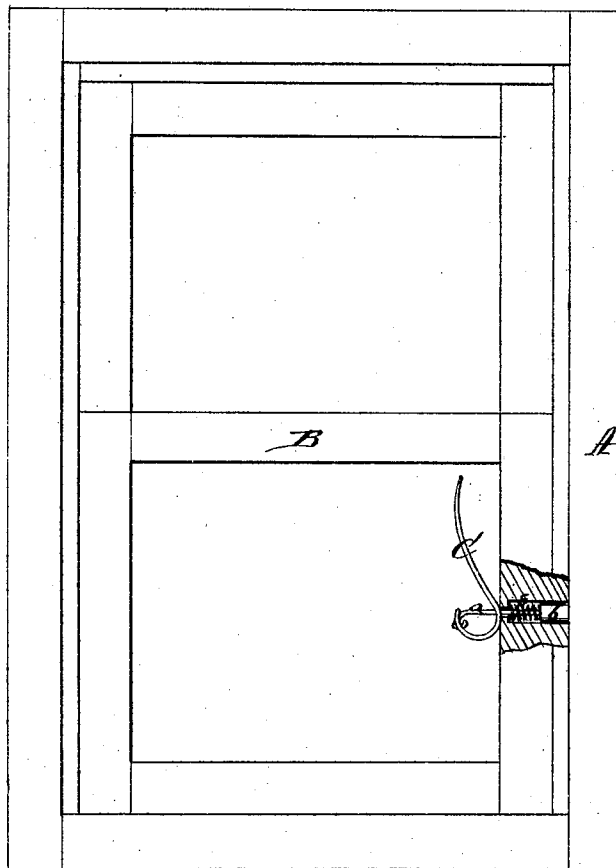
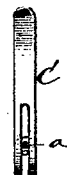


Fig. 2.



Witnesses;

Chas Jacobs

J. V. White

Inventor,

A. J. Kramer

Per

J. D. Alexander

Atty.

United States Patent Office.

ANDREW J. KRAMER, OF MARION, IOWA.

Letters Patent No. 110,248, dated December 20, 1870.

IMPROVEMENT IN SASH-HOLDERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ANDREW J. KRAMER, of Marion, in the county of Linn and State of Iowa, have invented certain new and useful Improvements in Window-sash Fastenings; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a "window-sash fastening," as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a front view of a window, part in section, showing my sash-fastener; and

Figure 2 is a side view of the lever by which the sash-fastener is operated.

A represents the window-frame or casing; and
B, the sash.

From the outer edge, at any desired point in the sash B, is made a round hole, extending horizontally inward to near the inner edge, where the sash is only pierced sufficiently to allow of the passage of a rod, *a* as shown.

To the outer end of this rod, within the hole in the sash, is secured a bolt, *b*, which is pressed outward into a corresponding hole in the window-casing, by

means of a spiral spring, *e*, surrounding the rod *a*, between the bolt and the inner end of the hole.

C represents a lever of the peculiar formation shown in fig. 1, one end being curved in about the shape of a semicircle, and this curved end is slotted in the center around the bend to near the end.

The inner end of the rod *a* is passed through the slot in the lever C, and hooked to the end of the curved portion, as shown.

The lever C being turned down, allows the spring *e* to throw the bolt *b* outward and fasten the window.

By raising the lever the curved portion thereof bears against the inner end of the sash, forming a changeable fulcrum for drawing the bolt inward, when the sash may be raised or lowered at will. Or, by turning the lever upward, as represented in the drawing, the bolt will be held drawn in, and, consequently, the window not fastened.

Having thus fully described my invention,

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

The combination of rod *a*, bolt *b*, and spring *e* with lever C, when said lever is slotted and curved and holds the bolt withdrawn, in the manner described.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

A. J. KRAMER.

Witnesses:

H. N. RICHARDSON,
J. M. SHEETS.