T. P. YATES.

Sash-Fastener.

No. 212,083. Patented Feb. 4, 1879.

Fig. 1.

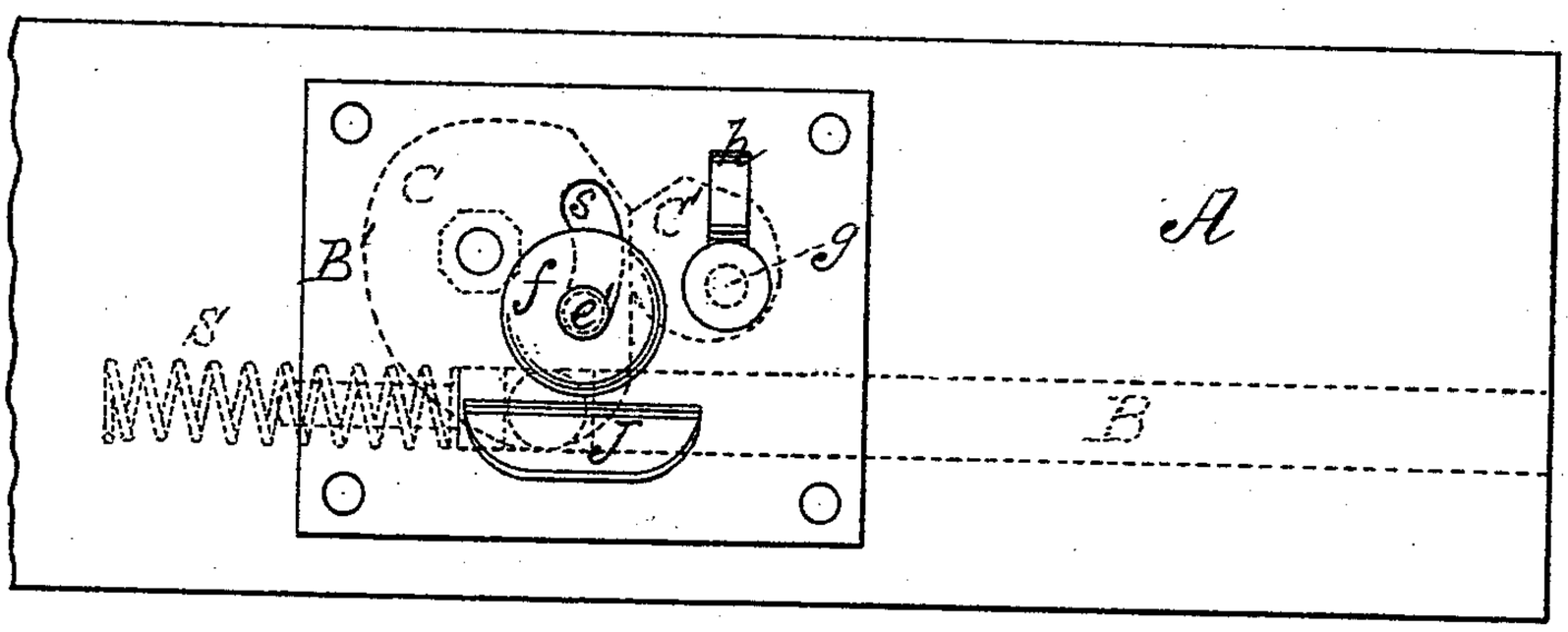


Fig. 3.

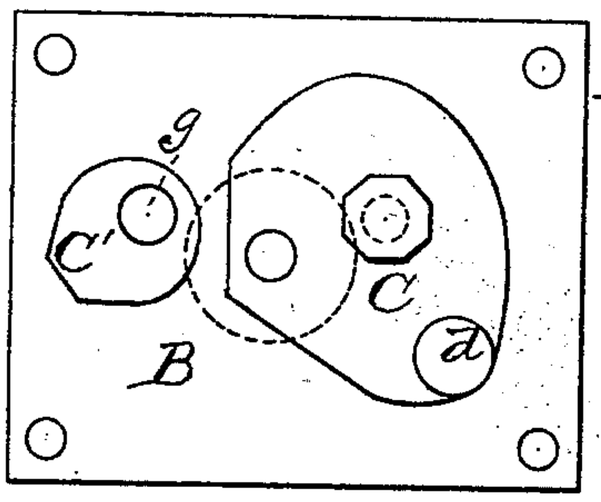


Fig. 4.

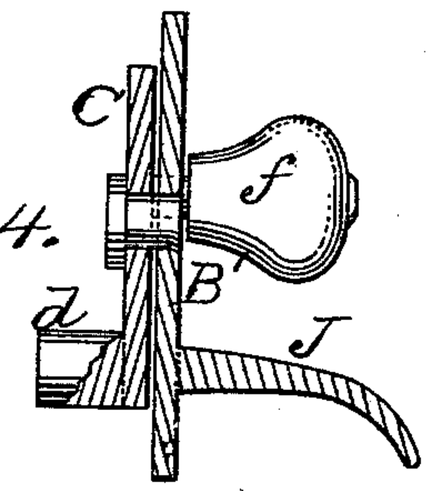
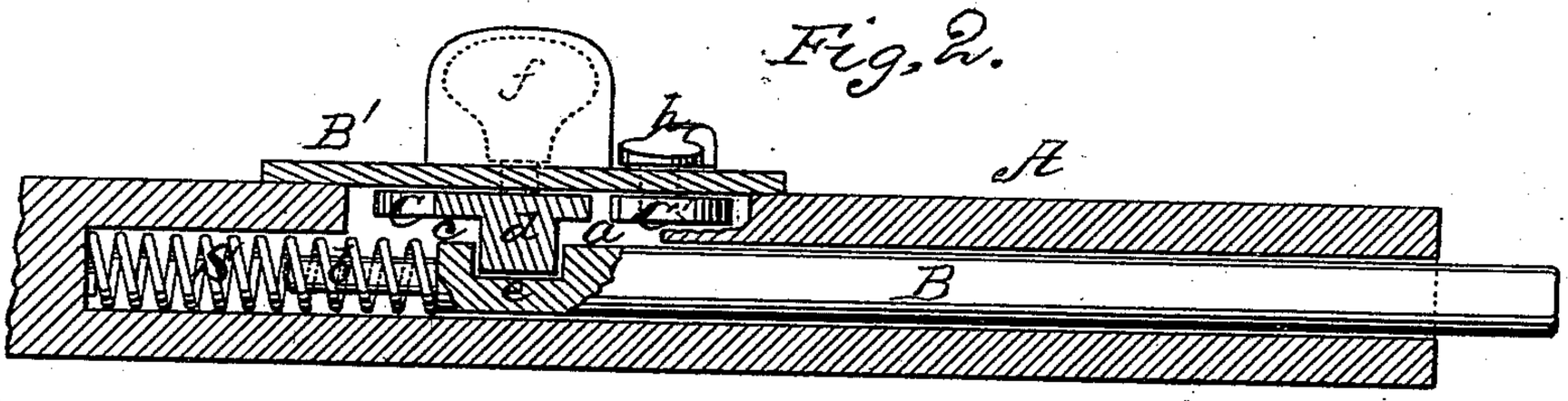


Fig. 2.



WITNESSES

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IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **212,083,** dated February 4, 1879; application filed October 26, 1878.

To all whom it may concern:

Be it known that I, THOMAS P. YATES, of Factoryville, in the county of Tioga and State of New York, have invented a new and valuable Improvement in Sash-Fasteners; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a front view of my sash-fastener applied. Fig. 2 is a longitudinal section of the same, and Figs. 3 and 4 are details.

This invention has relation to improvements in fastenings for window-sashes and doors; and the nature of the invention consists in the construction and novel arrangement of parts, as hereinafter shown and described, and pointed out in the claim.

In the accompanying drawings, the letter A designates the bottom rail of a sash, having in its end a deep recess, *a*, in which is seated the locking-bolt B. The inner end of this bolt is rabbeted, forming a tang, *b*, with a square shoulder at its junction with the body of the bolt, as shown at *c*, Fig. 2.

At the bottom of recess *a* is a spring, S, usually of spiral form, that is engaged by the bolt-tang aforesaid, and bears at one end against the bottom of the recess and at the other against the shoulder *c* of the bolt, which is projected from the recess into a suitable catch-aperture in the adjacent wall of the window-jamb by the resilience of said spring. The bolt is provided with a notch, *e*, of rectangular form.

B′ indicates a face-plate, secured in any desired manner to rail A, and provided upon its inner side with a crank-plate, C, pivoted thereto, and having a projecting spur, *d*, that engages the recess *e* of the bolt, and a tang, *e′*, that projects outward through a curved slot, *s*, in plate B, and is provided with a knob, *f*, or its equivalent, by means of which the crank-plate is actuated to retract the bolt in its recess *a* and compress the spring S. This being accomplished the sash may be readily raised. As shown in Fig. 3, one of the edges of the crank is straight.

C′ indicates a cam applied upon a short shaft, *g*, extending through and having its bearings in the face-plate, and provided with a handle, *h*, upon its outer end, by means of which the said cam is turned and its straight edge brought in contact with the corresponding edge of the crank-plate. When thus engaged the crank-plate is incapable of rotating.

The operation of the fastening is as follows: The operator seizes the knob and presses it down, thus retracting the bolt. The handle *g* is then thrown up into the position shown in Fig. 1, and the cam thus brought into engagement with the crank-plate, locking the latter against rotation, and consequently holding the bolt retracted in its recess. The sash may now be thrown up in the usual way by taking hold of the handle J on the face-plate. The same device is applicable to either sash, and the contiguous faces of the window-jambs may have a number of latch-apertures, arranged one above the other, so that the sash may be locked at various elevations.

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

In a sash-fastener, the combination, with a rail, A, having a recess, *c*, containing a spring, S, and a bolt, B, which is provided with a rectangular notch, *e*, of a face-plate having a curved slot, *s*, a crank-plate, C, journaled in said face-place, and provided with a tang, *e′*, engaging said slot, and a spur, *d*, engaging the notch *e* in the bolt, and a cam, *c*, having its bearings also in the face-plate, and adapted to engage the crank-plate C, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

THOMAS P. YATES.

Witnesses:

WM. W. WARNER,

J. V. YATES.