

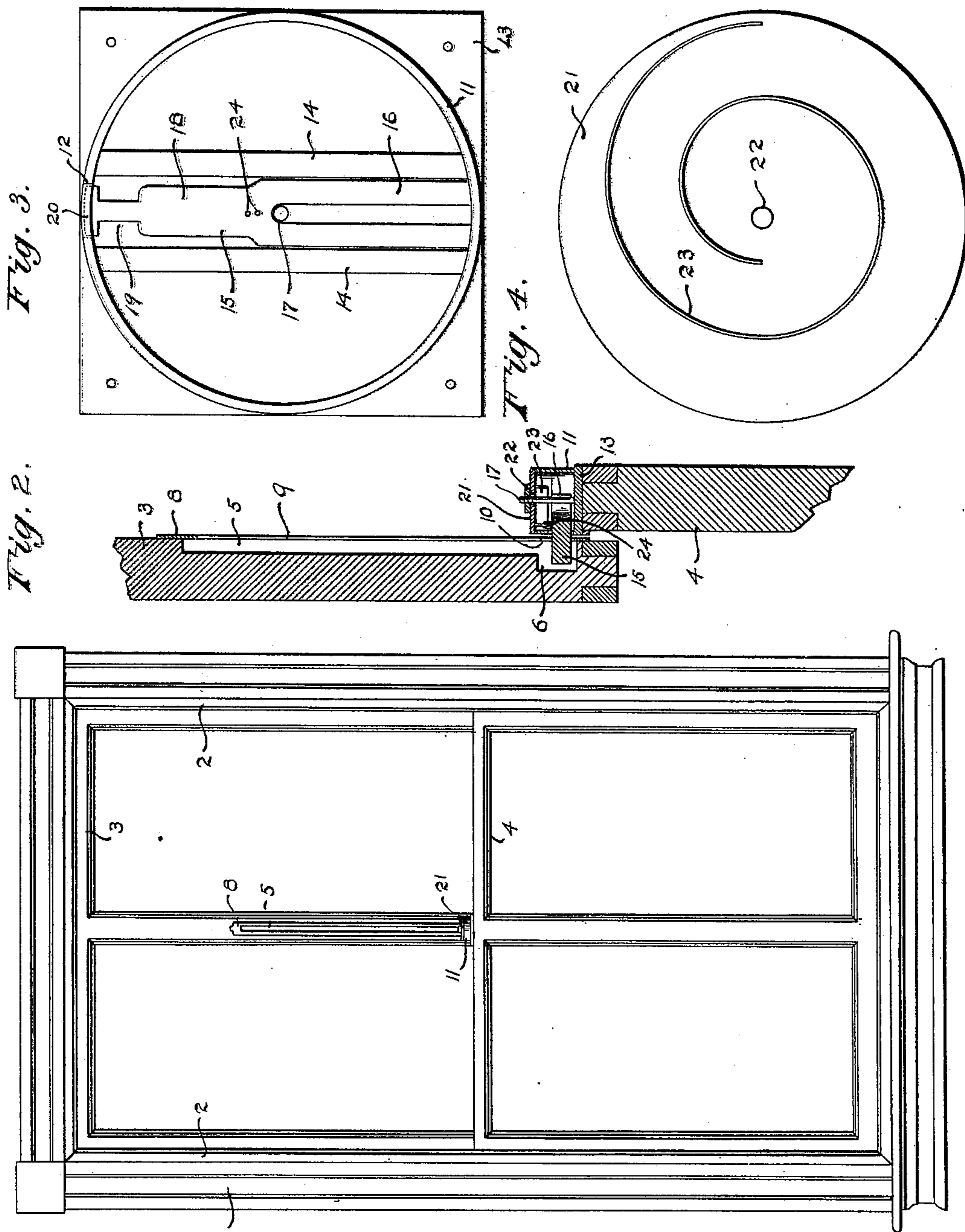
No. 613,202.

Patented Oct. 25, 1898.

S. C. HOVEY.  
SASH FASTENER.

(Application filed Aug. 11, 1897.)

(No Model.)



Witnesses  
C. W. Bradway.  
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Fig. 1.

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# UNITED STATES PATENT OFFICE.

SAMUEL C. HOVEY, OF CHICAGO, ILLINOIS.

## SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 613,202, dated October 25, 1898.

Application filed August 11, 1897. Serial No. 647,793. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL C. HOVEY, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Ventilating Sash-Locks; 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 present invention relates to a novel sash-lock, my object being to provide a simple, durable, and efficient lock of this character by means of which the upper and lower window-sashes may be readily locked in their adjusted positions to provide for the proper ventilation of the room or for other purposes.

To the accomplishment of this object my invention consists in providing a casing upon the upper end of the lower sash, within which is mounted a bolt designed to be actuated by a rotary cap-plate and engaging a slotted plate secured to the other sash, the extremity of the bolt being provided with projections which engage the under side of the slotted plate and serve when the bolt is rotated to draw the sashes into close contact and to securely lock them in place.

Referring to the drawings, Figure 1 is a general view showing the application of my device. Fig. 2 is a central longitudinal section on the line 2 2 of Fig. 1. Fig. 3 is a top plan view of the casing with the cap removed and showing a portion of the upper sash in section. Fig. 4 is a bottom plan view of the cap-plate.

Referring now to the drawings, 1 indicates a window-casing provided with the usual beads 2 and upper and lower sashes 3 and 4, the former of which is provided with an elongated recess 5, extending longitudinally, and provided at its lower end with a deepened portion 6, which forms a horizontal shoulder 7.

8 indicates a plate secured upon the sash 3 and provided with an elongated slot 9, registering with the recess in the sash, but of somewhat less width, and having a rectangular enlargement 10 at its lower extremity registering with the deepened portion of the recess and located slightly below the shoulder 7.

11 indicates a preferably cylindrical casing provided with a bolt-aperture 12 in its side contiguous to the slotted plate and secured to the upper end of the lower sash 4 by screws or other securing means projecting through the base-plate 13 of the casing.

14 14 indicate a pair of parallel ribs extending across the casing and constituting ways between which is mounted a locking-bolt 15, provided with a comparatively wide bifurcated rear end 16, the bifurcations of which extend upon opposite sides of an axial post 17, and with a comparatively narrow portion 18, having notches 19 cut in its opposite sides adjacent to its extremities to form a bolt-head 20 somewhat wider than the slot in the plate and designed to be located within the recess 5, the edges of the slot being received within the notches in the opposite sides of the bolt. It will thus be seen that the head 20 of the bolt may be readily slipped into the enlarged lower end of the slot and that it will be capable of movement within the elongated recess in the upper sash, and, further, that the retraction of the bolt will serve to draw the upper and lower sashes securely together to accomplish the locking of the parts in their adjusted relations.

The structure thus far defined, employed in combination with means for retracting the bolt, constitutes the entire subject-matter of my invention in its broadest aspect, as it will be seen that when the head 20 of the bolt is in its position within the slotted plate the sashes may be adjusted, or the upper sash may be supported in its closed position by the projection of the bolt below the shoulder formed at the lower end of the elongated recess; but I prefer to employ a special form of bolt-actuating mechanism, which will now be described.

21 indicates a rotary cap-plate provided with an axial aperture 22, designed for the reception of the post, and upon its lower face with a graduated spiral 23, designed to take between a pair of upwardly-projecting pins 24, carried by the bolt. It will thus be observed that the rotation of the cap will by the progression of the spiral serve to project and retract the bolt for the purpose of separating and thereby releasing the sashes, or

for the purpose of drawing them into close contact and thereby securely locking them in place.

While I have illustrated and described what appears to be the preferable embodiment of my invention, I do not desire to limit myself to the structural details set out, but reserve the right to change, modify, or vary them at will within the scope of my invention.

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

The combination with a sash-lock casing

having a central axial post, of the notched, sliding bolt having its inner end guided by said post, and a rotatable cover journaled on said post and provided with a pendent spiral cam engaging the said post for actuating it, substantially as described. 15

In testimony whereof I have signed this specification in the presence of two subscribing witnesses. 20

SAMUEL C. HOVEY.

Witnesses:

WM. C. HOVEY,

LOUIS T. HOVEY.