

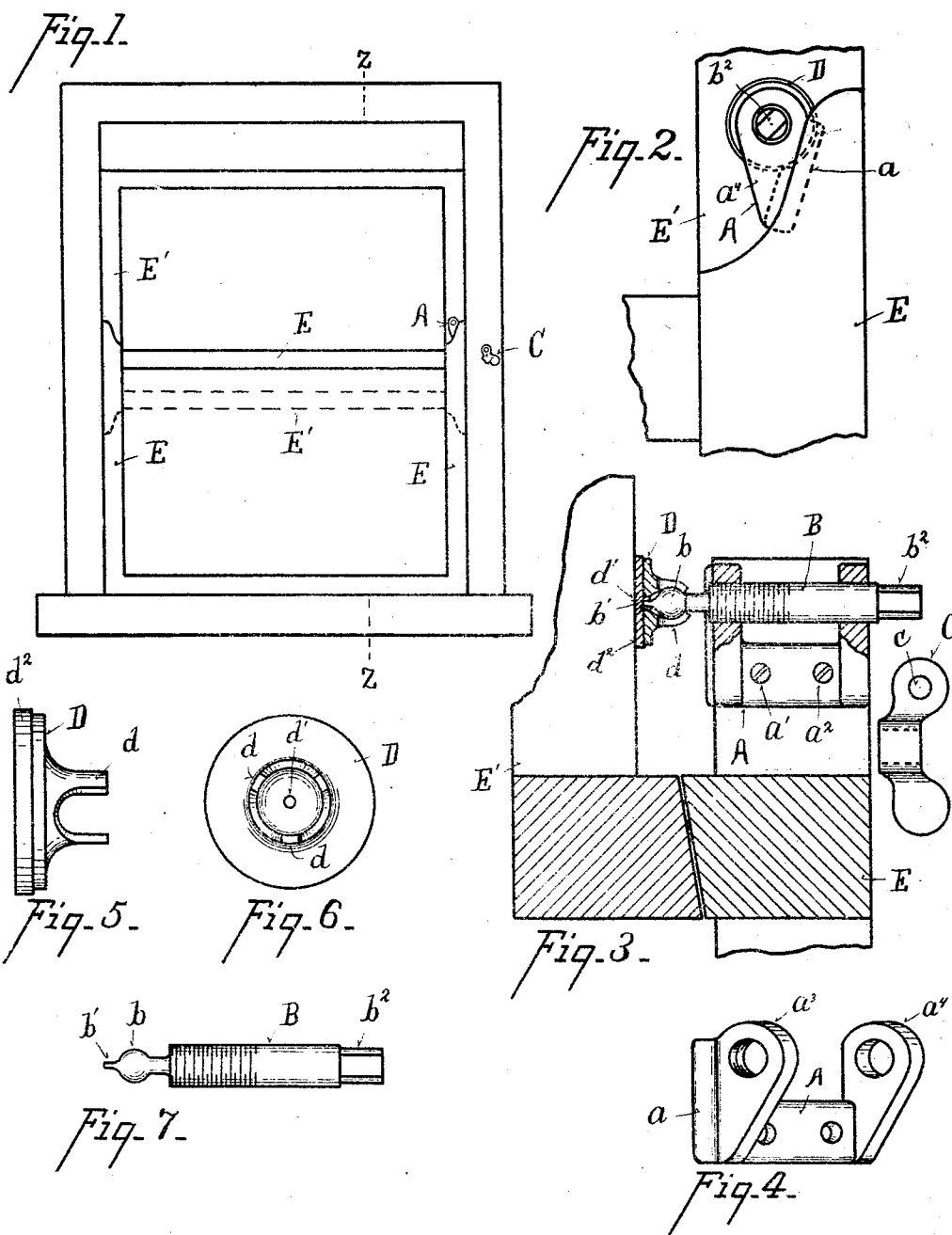
No. 774,471.

PATENTED NOV. 8, 1904.

P. J. HOGAN.
SASH LOCK.

APPLICATION FILED APR. 17, 1903.

NO. MODEL.



WITNESSES:

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PATRICK J. HOGAN, OF CINCINNATI, OHIO.

SASH-LOCK.

SPECIFICATION forming part of Letters Patent No. 774,471, dated November 8, 1904.

Application filed April 17, 1903. Serial No. 153,018. (No model.)

To all whom it may concern:

Be it known that I, PATRICK J. HOGAN, a citizen of the United States of America, and a resident of Cincinnati, county of Hamilton, State of Ohio, have invented certain new and useful Improvements in Sash-Locks, of which the following is a specification.

The object of my invention is a window-sash lock for locking the upper and lower sashes firmly in a window-frame in any position relative to each other which is simple, compact, and inexpensive in construction and which cannot be tampered with from the outside. This object is obtained by the means described in the specification and illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation of a window, taken from the interior of a room, showing the sash-lock embodying my invention secured to the ogee of the lower sash. Fig. 2 is an enlarged detailed view of the ogee showing the lock secured thereon. Fig. 3 is a sectional view taken upon line Z Z of Fig. 1, the lock being shown partly in section and partly in elevation and the key being shown removed from the screw. Fig. 4 is a detailed perspective view of the bracket to be secured to the lower sash. Fig. 5 is a detailed side elevation of the compression-disk. Fig. 6 is a rear elevation of the same. Fig. 7 is a detailed elevation of the screw.

Referring to the parts, the bracket A of the lock is secured to the lower sash. In sashes which have an ogee the bracket is secured thereto and has a flange *a* to project over the inner edge of the ogee, so as to take the strain off of the screw *a'* and *a''*.

The bracket A has two outwardly-projecting lugs *a³* and *a⁴*, which are centrally perforated, the inner lug *a³* having its perforation interiorly screw threaded. Seated in the lugs *a³* *a⁴* is a screw B, the inner end of which has a spherical knob *b* and an outwardly-projecting pin *b'* formed upon it. The outward end *b''* of the pin is made rectangular to receive a removable key C, which is perforated

in one of its wings to enable its being hung up by the side of the window-frame when not in use, as shown in Fig. 1.

Upon the inner end of the screw B a compression-disk D is swiveled in the following manner.

Disk D has upon its outward face curved tines *d*, arranged so as to fit over the knob *b* of the screw *b*, and has a central depression *d'*, into which the pin *b'* projects.

The inner face of the disk D is covered with a material softer than metal, preferably rubber.

When it is desired to change the position of the upper and lower sashes E E' relatively to each other, the disk D is brought to a position such that it does not bear against the upper sash. After the sashes have been brought to the relative position desired, such as shown in Fig. 1, the disk D is made to bear firmly against the upper sash by turning the screw B. In so doing it is seen that the disk, being swiveled upon the inner end of the screw B, does not rotate, but bears firmly against the upper sash, so that the wood is not marred thereby.

The rubber surface *d''*, besides preventing the marring of the sash, causes the compression of the disk against the same to be more firm.

The pin *b'* keeps the disk D in a vertical position, so that it always comes vertically against the upper sash, so that the sash is not in any danger of being marred by it.

After the sashes have been locked together the key C is removed from the end of the screw and hung in some suitable place out of reach of one who should attempt to tamper with the lock from the outside.

It is seen that the position of the screw B is such that when this key is removed an instrument could not be engaged with the screw to turn the same from the outside without a great deal of difficulty.

What I claim is—

In a sash-lock, the combination of a bracket

to be secured to the side of the meeting-rail
of the lower sash, a screw seated in the bracket
having a knob and an inwardly-projecting
pin upon its inner end, a compression-disk
5 having inwardly-curved tines surrounding the
knob, and a central perforation to receive the
pin whereby the disk is swiveled to the screw

and held in a vertical position, substantially
as shown and described.

PATRICK J. HOGAN.

Witnesses:

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