

(No Model.)

A. H. PARSLOW.
SASH FASTENER.

No. 528,208.

Patented Oct. 30, 1894.

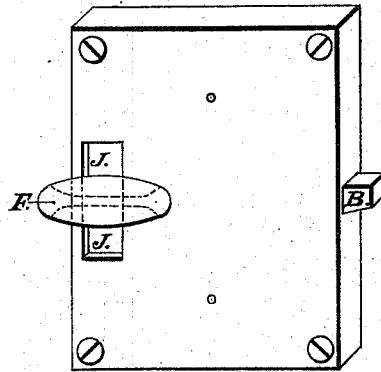


Fig. 1.

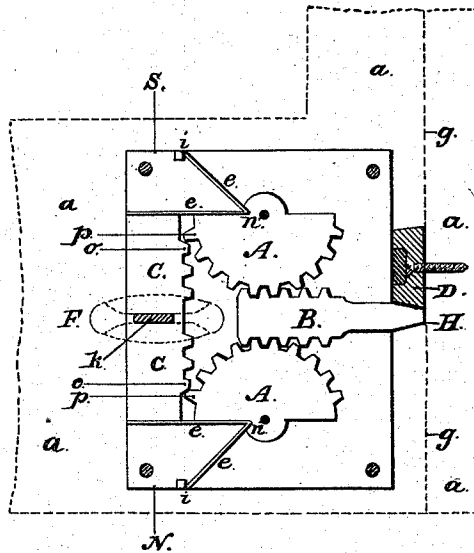
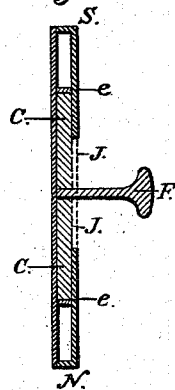


Fig. 2.

Fig. 3.



Witnesses.

H. E. Crane
Geo. J. Chamberlain

Inventor.

Alfred H. Parslow

UNITED STATES PATENT OFFICE.

ALFRED HOWARD PARSLow, OF TAMPA, FLORIDA.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 528,208, dated October 30, 1894.

Application filed March 31, 1893. Serial No. 468,610. (No model.)

To all whom it may concern:

Be it known that I, ALFRED HOWARD PARSLow, a citizen of the United States, residing at Tampa, in the county of Hillsborough and State of Florida, have invented a new and useful Window-Sash Lock and Lift Combined, of which the following is a specification.

My invention relates to an improvement in sash locks that are fastened on the sash of a window, and lock and rest on or in the frame of the window, or part of it and the objects of my improvement are,—first, to provide a secure lock and fastening for a window when closed or shut down; second, to provide a catch or rest for the sash when open and at desired points for any space of opening; third, to combine in the mechanism of the lock and catch an action whereby the act of lifting up or pulling down of the window sash operates in releasing the lock or catch from its resting point at the same time and by the same movement, and the ceasing of the action of raising up or pulling down restores the lock or catch to its locking or resting point. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a view of the sash lock, showing it entire within its case, also showing the lifting and pulling down knob with its running slot; also the bolt projecting from the face of the lock. Fig. 2 is a view of the interior and working mechanism of the sash lock and catch, and its position on the window sash together with the rest, and showing the lock at a point of rest and locked. Fig. 3 is a vertical section of the lock on the line marked S. N., in Fig. 2, showing the raising and lowering knob projecting from the front of the lock.

Similar letters refer to similar parts throughout the several views.

The window sash on which the lock is fastened is marked by the letters, *a. a. a. a.*, in Fig. 2, and the mechanism is comprised in the knob, marked F.; the geared upright plate marked C. C.; the two geared half wheels, marked A. A.; the two springs marked *e. e.* and *e. e.*, at the top and bottom of the said plate C. C., and half wheels, A. A.; the

geared bolt marked B.; and the resting block marked D.

The clasp F. is securely fixed in the plate C. C. at the point marked K, Fig. 2, and it projects from the front of the plate and outside the body of the lock as shown in Fig. 3. By raising up the clasp F. the plate C. C. is raised too, and the edge of the plate is geared and fitting into the gearing of the upper half wheel, A. it turns this half wheel as it rises, and the upper half wheel A. Its gearing fitting into the gearing on the upper edge of the bolt, B., draws the bolt back and leaves the window sash free to rise. At the same time, the gearing of the lower edge of the bolt, B., fitting into the gearing of the lower half wheel, A., turns that half wheel in the same direction as the upper half wheel, A., making the action of the mechanism regular and balanced. When the clasp F., is raised and with it the plate, C. C., causing the mechanism to act as aforesaid, the plate, C. C., at its upper end, and the two half wheels, A. A., together operate against the two springs, *e. e.*, and *e. e.*, upper and lower, Fig. 2, which are secured in the spaces as shown by being slotted into the two half wheels at points marked *n* and *n*, Fig. 2, and in the two small blocks marked *i* and *i*, Fig. 2. On release of the knob, F., the upper spring, *e. e.*, forces back the plate, C. C., and that and the spring, together with the lower spring, *e. e.*, force round the two half wheels, A. A., and they, the two half wheels, their gearing fitting into the gearing of the bolts, B., together operate and force back and return the bolt, B., to its place of rest.

By reversing the action of raising the sash and pulling it down by the clasp, F., the mechanical action obtained is precisely similar.

The check to the raising or lowering of the plate, C. C., by the clasp, F., is regulated and decided by the shoulders of the running slot, marked J. J. Figs. 1 and 3.

To facilitate the easy and perfect motion to the action of the bolt, B., where it projects beyond the face of the lock, it is beveled on its upper and lower edges as shown at point marked H., Fig. 2; and the block, D., is also beveled on its upper and lower edges.

The block, D., is fastened on the stop of the window frame,—the line of which stop is marked *g. g.*, Fig. 2,—and is shown on drawings at the bottom of the window frame.

- 5 Other blocks, as block, D., are fastened on the stop at points above for resting the sash when raised.

- 10 The teeth O at each end of the plate C are made shorter than the others so as to permit the teeth of the half wheels A with the exception of the teeth P of the same A to clear the said short teeth O as said half wheels move in opposite directions.

- 15 The two teeth marked *p.* and *p.* Fig. 2, on the upper and lower wheels A. and A are longer than the other teeth of the said half

wheels to better meet and be moved by the shorter teeth, O. and O. of the plate C. C. when that is raised or pulled down.

What I claim as my invention, and desire 20 to secure by Letters Patent, is—

The combination in a sash fastener of the operating knob, the sliding rack plate, the springs engaging said rack plate, the half wheels, the sliding bolt provided with teeth 25 with which said half wheels intermesh and the fastening blocks secured to the stop of the window frame substantially as specified.

ALFRED HOWARD PARSLow.

Witnesses:

H. E. CRANE,

GEO. F. CHAMBERLAIN.