(No Model.)

S. R. KIRBY.

SASH FASTENER.

No. 497,187. Patented May 9, 1893.

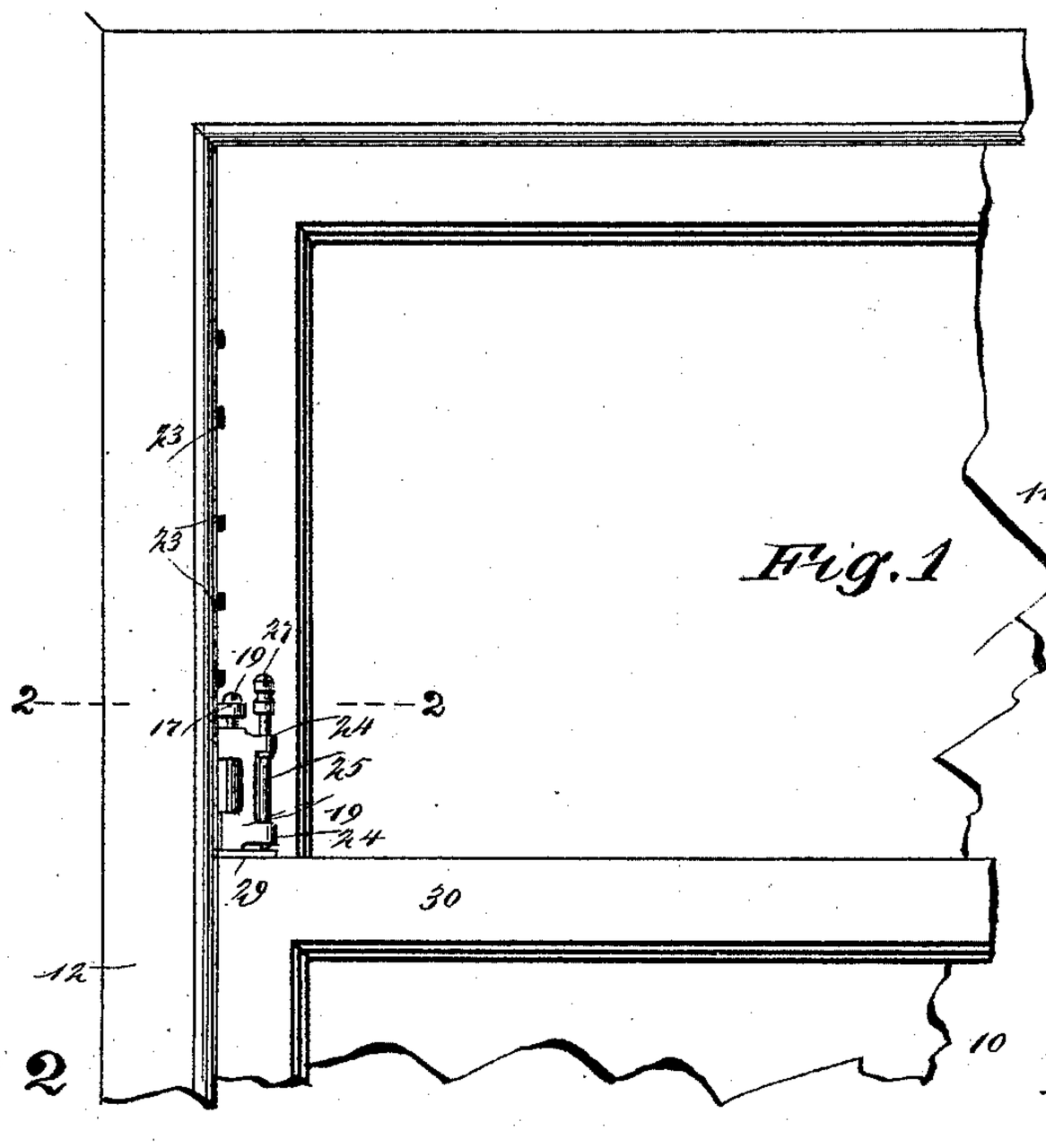

Fig. 1

Fig. 2

Fig. 3

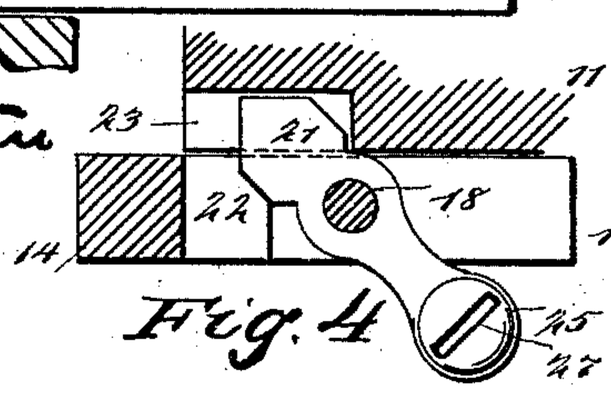

Fig. 4

WITNESSES:

J. a. Bergstrom

C. Sedgwick

INVENTOR

S. R. Kirby

BY Munn & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

STEPHEN R. KIRBY, OF NEW YORK, N. Y.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 497,187, dated May 9, 1893.

Application filed February 2, 1893. Serial No. 460,814. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN R. KIRBY, of the city, county, and State of New York, have invented a new and Improved Window-Sash Lock, of which the following is a full, clear, and exact description.

My invention relates to improvements in sash locks such as are adapted to lock window sashes; and the object of my invention is to produce a very strong, simple, and inexpensive lock which may be applied conveniently to any window having the usual sliding sashes, which may be arranged so as to lock both sashes and hold them in a very secure manner, and which also is adapted to lock the lower sash shut, and lock the upper sash so as to hold it partially open and permit ventilation and yet hold it in such a secure manner that it cannot be opened farther from the outside of a window.

To these ends my invention consists in certain features of construction and combinations of parts, as will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a broken inside elevation of a window provided with my improved sash lock. Fig. 2 is an enlarged sectional plan on the line 2—2 in Fig. 1. Fig. 3 is is a central vertical section of the lock on the line 3—3 in Fig. 2; and Fig. 4 is a sectional plan on the line 4—4 in Fig. 3.

The window is provided with the usual vertically sliding lower and upper sashes 10 and 11 which are held to move in a frame 12 in the ordinary way and are separated by the usual parting beads 13.

In the parting bead which is cut away for the purpose, is secured, at a point just above the top of the lower sash when the latter is closed, a hanger 14, which has its upper portion projected slightly backward so that it may be secured firmly to the window frame, and at the bottom of the hanger is a flange 16 which also is adapted to abut with the window frame. The hanger is held in place by screws 14^a which project through it and into the frame. The thickness of the hanger is such that while it projects somewhat from the parting bead, it will in no wise interfere with the sliding of the sashes.

At the bottom of the hanger is an outwardly extending flange 16^a and at the top is a similar but shorter flange 17, and these two flanges support the vertical pintle 18 of the horizontally swinging bracket 19, which bracket has at the bottom a flange 20 through which the pintle passes, and at the top a similar flange which also receives the pintle and which is projected inward to form a bolt 21, see Fig. 4, which swings in a recess 22 in the hanger 14 and is adapted to swing into either one of a vertical series of notches 23 which are produced in the stile of the upper sash 11 adjacent to the parting bead. The bracket 19 has on its outer face horizontal and parallel lugs 24 in which is held a vertical screw 25, which at its lower end is threaded, as shown at 26, so as to turn in a threaded portion of the lower lug 24 and the screw is provided with a slotted head 27 in which a screw driver, coin, or other convenient article may be inserted to turn the screw, and the screw is also provided, near the top which projects well above the upper lug 24, with transverse holes 28 in which a nail or other article may be inserted in case the screw is to be turned down very firmly. The bracket 19 is adapted to swing laterally so as to bring the screw 25 above the wear plate 29 on the rail 30 of the lower sash, and this movement of the bracket throws the bolt 21 into one of the recesses 23 of the upper sash. It will be seen that by turning the screw 25 so as to make it impinge firmly on the plate 29, the lower sash is firmly fastened and the upper sash is also fastened at the same time. The bracket 19 is also adapted to move vertically to a certain extent on the pintle 18, and this facilitates the operating of the bolt 21 in the notches 23, and the adjusting of the lock generally.

From the foregoing description, it will be readily seen that the lock may be made to fasten the lower window sash firmly by simply swinging the bracket above the sash and turning the screw if necessary, and it will also be observed that by bringing one of the notches 23 into registry with the bolt 21, the upper sash may be held securely and at the same time partially open, as for instance in case ventilation is desired.

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

1. A sash lock, comprising a swinging bracket held in the parting bead of a window, and adapted to swing over the meeting rail of the lower sash, and a vertically adjustable screw held in the free end of the bracket and adapted to strike upon said sash rail, substantially as described.

2. The combination with the sliding window sashes, the upper of which has notches in its stile, of a swinging bracket held in the parting bead between the sashes and adapted to swing over the top of the lower sash, the said bracket having at its inner end a bolt to enter the notches of the upper sash, and a vertically movable screw held in the free end of the bracket and adapted to strike the top of the lower sash, substantially as described.

3. The combination with the sliding sashes, the upper of which has notches in its stile, of a horizontally swinging and vertically movable bracket supported in the parting bead of the sashes and the bracket having at its inner end a bolt to enter the notches in the upper sash, and a vertically movable screw held in the free end of the bracket and adapted to strike upon the top of the lower sash, substantially as described.

STEPHEN R. KIRBY.

Witnesses:
J. LANSING RODGERS,
WM. O'LEARY.