

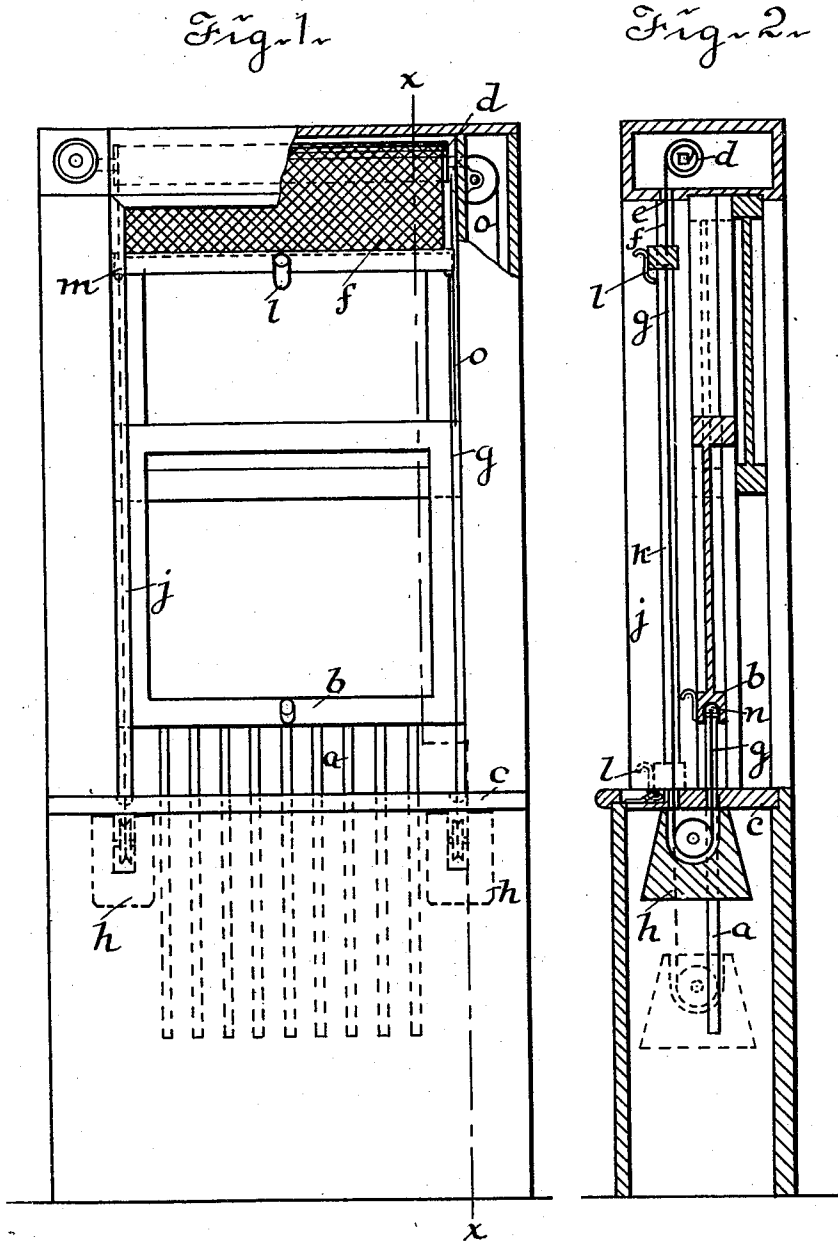
(No Model.)

T. EUPHRAT.

GUARD AND SHADE ATTACHMENT FOR WINDOWS.

No. 521,607.

Patented June 19, 1894.



WITNESSES.

W. H. Morgan
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INVENTOR

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By A. P. Thayer
att'y

UNITED STATES PATENT OFFICE.

THEOPHILE EUPHRAT, OF DARIEN, ASSIGNOR OF ONE-EIGHTH TO CHARLES S. TROWBRIDGE, OF SOUTH NORWALK, CONNECTICUT.

GUARD AND SHADE ATTACHMENT FOR WINDOWS.

SPECIFICATION forming part of Letters Patent No. 521,607, dated June 19, 1894.

Application filed April 6, 1894. Serial No. 606,662. (No model.)

To all whom it may concern:

Be it known that I, THEOPHILE EUPHRAT, a citizen of the United States, and a resident of Darien, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Guard and Shade Attachments for Windows, of which the following is a specification.

My invention consists of a combination with the lower sash in a window, of a safety guard against burglars and for preventing children from falling out of the window attached to the lower sash so as to rise with the sash and guard the opening while the sash is up without excluding the light or obstructing ventilation, and a shade attachment adapted to be lowered by the rising sash, as hereinafter fully described reference being made to the accompanying drawings, in which—

Figure 1, is partly a front elevation and partly a sectional elevation of a window provided with my improved attachments. Fig. 2, is a vertical section on line $x-x$ Fig. 1.

In the example of my invention I represent the guard for protection from burglars and for preventing children from falling out of the window, as consisting of a series of parallel metallic bars a , suspended from the lower rail b , of the lower sash, through holes in the sill c , of the window frame into the inclosed space below the sash, and being of such length that they will not escape from the holes when the sash is raised to the highest point, so that being confined at the lower ends in the sill and at the upper ends in the sash they form a substantial protecting grate, which being equally as serviceable as the permanently attached grates of common use, is concealed from view when the sash is closed. Instead of the metallic rods any reticulated or open fret work structure may be used in which case they may be made in any desired form or ornamental character.

Inside of a chamber of the top of the window frame I have arranged the spring curtain roller d , so as to be concealed from view, with a slot e , in the bottom of the frame through which to pull the curtain f down, and I connect cords g with the lower corners of the curtain which cords extend down through the sill of the window into the space below where

they are doubled around pulley weights h , and thence extended up through the sill and attached to the lower corners of the lower sash at n , the length of the cords being such that when said lower sash is down and the curtain is up the pulley weights will hang close under and bear against the sill so that they cannot rise when the sash is raised, whereby when the sash is raised the curtain will be thereby pulled down to the same extent that the sash is raised, then by taking hold of the lower end of the curtain it may be pulled down the rest of its range and the pulley weights draw the portions of the cords pendent from the curtain down into the space below and prevent loops of slack from showing above the sill.

To conceal the cords the inside stops j are grooved at k , and the cords and the edges of the curtain are fitted to run therein as shown at m ; the line o represents one of the sash cords.

Any approved form of catch as l , may be employed for fastening the curtain device to the sill and hold it against the pull of the spring roller.

It is to be understood that by shade or curtain attachment as above described, I include screens as well and all other like devices such as appertain to a curtain roller.

I claim—

1. The combination with the lower sash in a window having the guard pendent from the lower cross bar of the sash and extending through the window sill, of a curtain or screen suspended from a self raising curtain roller and connected with said lower sash by cords working over guide pulleys suitably for pulling the curtain down when the sash is raised substantially as described.

2. The combination with the sash of the self raising curtain roller and curtain, the cords connecting the lower ends of the curtain and the lower end of the sash through the space below the sill, and the pulley weights suspended in the bights of the cords, said cords adjusted to lodge the pulley weights against the cover of said space when the curtain is up and the sash is down, and said space adapted for the descent of the pulley weights substantially as described.

3. The combination with the sash of the self raising curtain roll concealed in the top of the window frame, the curtain suspended from said roll through a slot of the frame, the
5 cords connecting the lower end of the curtain and the lower end of the sash through the space below the sill, and located in concealing grooves in the sides of the window frame, and the pulley weights suspended in the bights of
10 the cords, said cords adjusted to lodge the pulley weights against the cover of said space

when the sash is down and the curtain is up, and said space adapted for the descent of the pulley weights substantially as described.

Signed at New York city, in the county and State of New York, this 30th day of March, A.
15 D. 1894.

THEOPHILE EUPHRAT.

Witnesses:

W. J. MORGAN,
S. H. MORGAN.