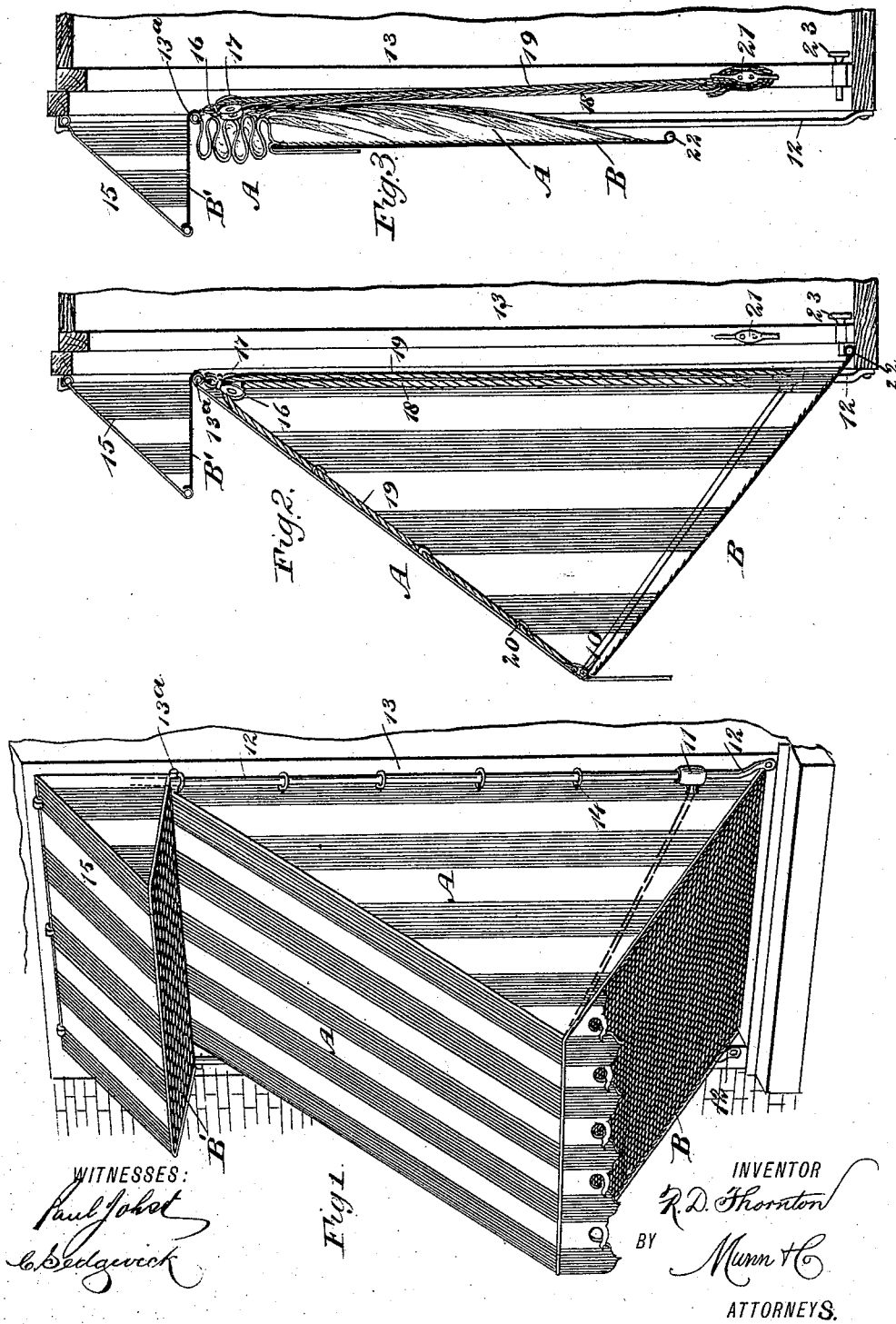


(No Model.)

R. D. THORNTON.
AWNING.

No. 493,130.

Patented Mar. 7, 1893.



UNITED STATES PATENT OFFICE.

RODOLPH D. THORNTON, OF BROOKLYN, NEW YORK.

AWNING.

SPECIFICATION forming part of Letters Patent No. 493,130, dated March 7, 1893.

Application filed May 3, 1892. Serial No. 431,633. (No model.)

To all whom it may concern:

Be it known that I, RODOLPH D. THORNTON, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Awnings, of which the following is a full, clear, and exact description.

My invention relates to an improvement in awnings, and has for its object to so construct an awning that the lower portion thereof, which is usually open, may be closed by a screen, thus admitting of the window being kept open without the possibility of flies entering the room; and a further object of the invention is to so construct the screen and attach it to the awning that the screen may be elevated with the awning, or be brought up close to the window sash when occasion may demand.

Another object of the invention is, when the awning is provided with a hood, to close the lower portion of the hood with a screen, this screen being held in a fixed position.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth and pointed out in the claims.

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

Figure 1 is a perspective view of the improved awning. Fig. 2 is a vertical section taken practically through the center of the illustration shown in Fig. 1, the awning being in its open position shielding the window; and Fig. 3 is a section similar to that shown in Fig. 2, the awning being illustrated as elevated and closed.

The awning A may be of any desired shape or of any approved construction, and may be elevated in any manner known to the trade. In the drawings the lower portion of the awning is provided with the usual bail-like rod 10, attached thereto, the ends of which rod are pivotally connected with eyes 11, which eyes are held to slide upon vertical rods 12, located at each side of the window frame 13 and connected therewith. The upper end of the awning has the usual upper rod 13^a applied thereto, which maintains that portion of the awning in a fixed position; and rings

14, are attached to the sides of the awning and adapted to slide upon the vertical rods 12.

In the drawings the awning is represented as extending but partially to the top of the window frame, the upper portion of the frame being covered by a fixed hood 15.

The manner of elevating the awning proper, as illustrated, consists in attaching to the upper rod 13^a two pulleys 16 and 17, over which two ropes 18 and 19, are passed, one of the ropes being attached to the yoke rod 10, at each side of the awning, and the ropes lead up inside at the junction of the top with the sides of the awning through suitable rings 20, over the pulleys 16 and 17, and thence downward to a cleat 21, or an equivalent fastening device.

The construction above described constitutes no portion of the invention; in fact the awning may be differently elevated or constructed and the hood may be dispensed with if desired.

My invention consists in the following features; namely, the attachment of a screen B to the lower portion or mouth of the awning, the said screen being adapted to completely close said mouth, and the attachment of a second screen B' to the hood 15 of the awning at the bottom thereof, when a hood is employed, completely closing said bottom. The screen B, which is connected to the awning proper is attached thereto in any suitable or approved manner, as, for instance, the top and side edges of the screen may be secured to the side and upper edges of the awning by threads, staples, rivets, or the equivalents thereof. The lower end of the screen, however, is usually reinforced by a rod 22, as shown in Figs. 2 and 3, and the said lower end of the screen is unattached to the awning, being adapted to rest upon the sill of the window frame. When the awning has been let down to protect the window, as shown in Figs. 1 and 2, the lower end of the lower screen B, is supported by the window sill, and is held in engagement with said window sill by means of any suitable form of catch 23, a spring catch being preferably employed. The catch shown is in the nature of a bolt, and its construction is apparent and constitutes no portion of the present invention.

In operation, when the awning is in its lower position the window may be raised, and still flies and other insects will be prevented from entering the room through the window, this protection being afforded by both the upper and lower screens while ventilation is not in the least interfered with, and a person in the room when looking out of the window will not have his view interfered with to any great extent by the screen, as the meshes need not be very close, and I purpose to employ a screen of a mesh similar to that utilized for ordinary window screens. The awning may be carried close to the window if desired, in which event the screen will occupy a vertical position, and this position of the awning and screen is desirable when the awning is no longer needed as a shade. When the awning is drawn upward to uncover the window opening, the screen will be carried upward with it, as illustrated in Fig. 3; but before the awning is raised the catch 23 is disconnected from the screen.

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

1. The combination with a folding window awning closed at its sides and open at its bot-

tom, and provided with the U shaped rod 10 to which its lower edges are secured and vertical guide rods with which the ends of the rod 10 have sliding connection, of a screen B secured at its side and outer edges to the corresponding edges of the awning to swing upwardly therewith and having a rod or bar 22 along its free inner or lower edge to rest on the window sill and catches for said rod or bar, substantially as set forth.

2. A combined awning and screen comprising the usual folding awning A having supporting and guide rods 10, 12, and operating cords 18, 19, a hood 15 above the awning, a screen B' closing the lower open end of the hood, a screen B closing the lower open end of the awning and movable inwardly and upwardly therewith; the side and outer edges of said screen being secured to the corresponding edges of the screen B, a rod or bar 22 on the free inner or lower edge of screen B to rest on the window sill and catches to engage the rod substantially as set forth.

RODOLPH D. THORNTON.

Witnesses:

J. FRED. ACKER,
C. SEDGWICK.