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J. H. MOSKOW.

COMBINED SCREEN, WINDOW, AND VENTILATOR ATTACHMENT FOR DOORS.

APPLICATION FILED SEPT. 10, 1903.

NO MODEL.

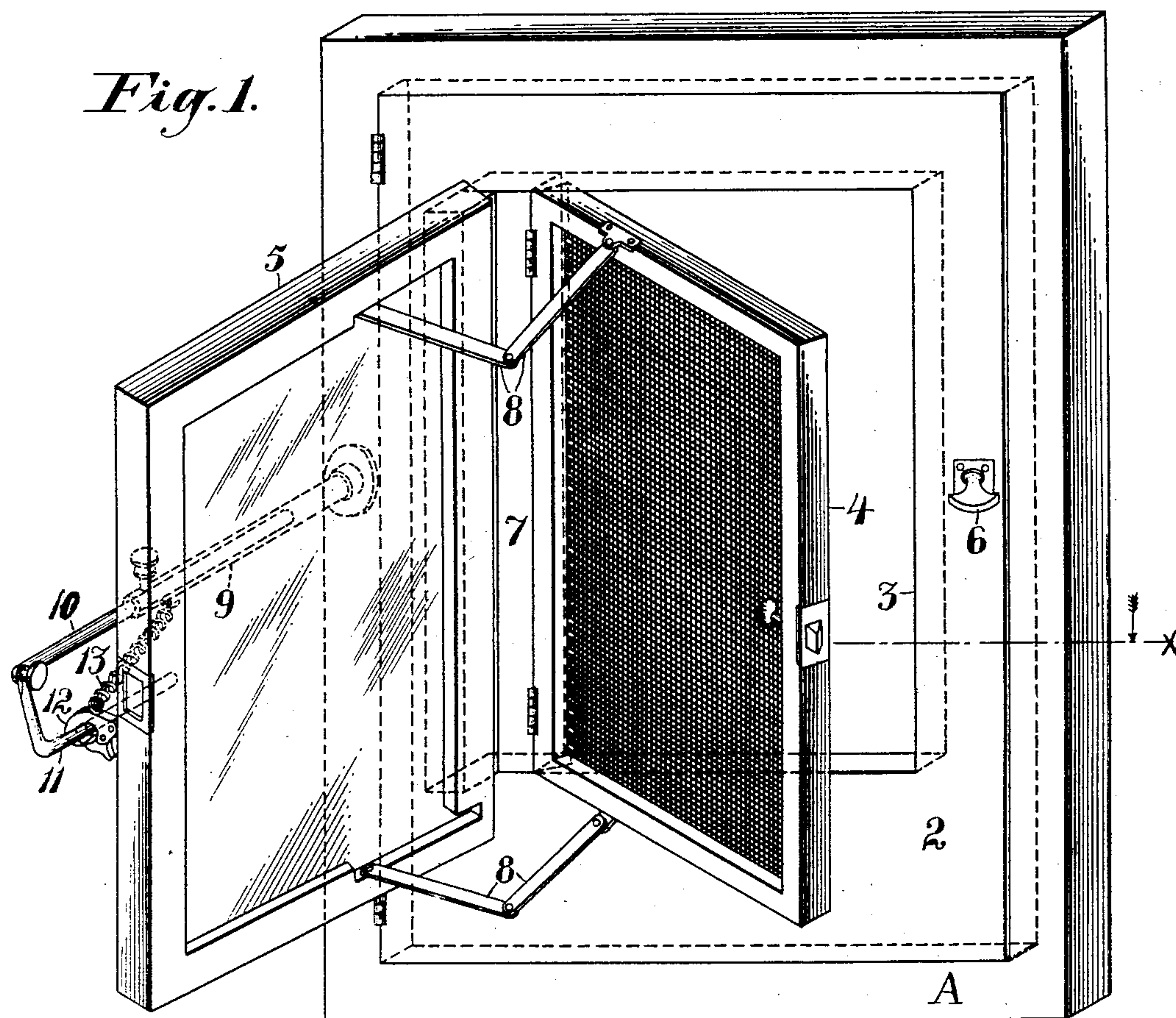
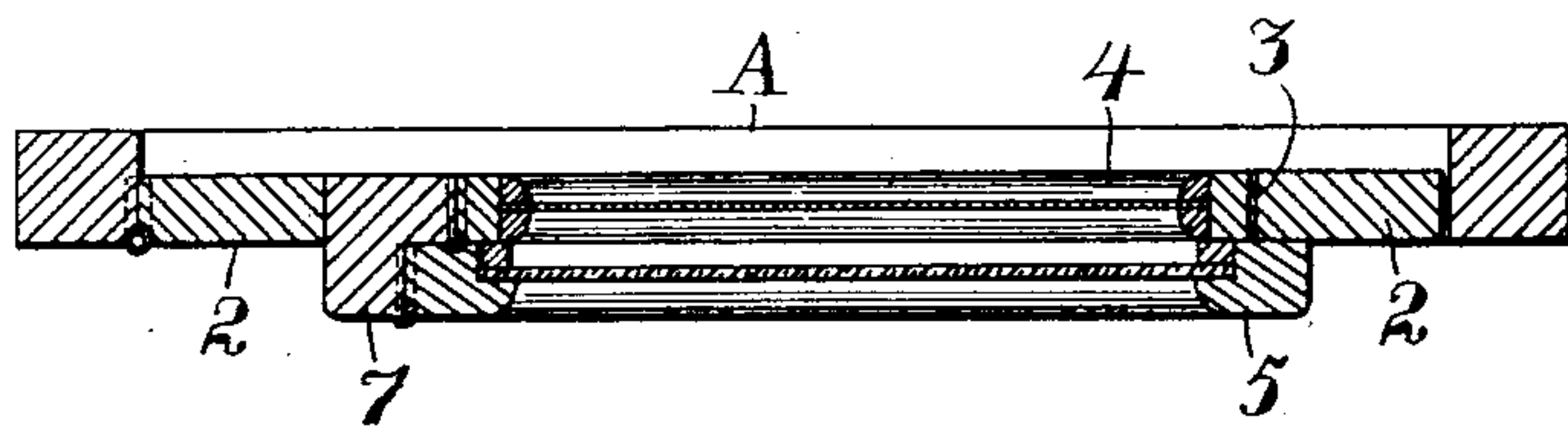


Fig. 2.



Witnesses:-

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UNITED STATES PATENT OFFICE.

JOSEPH H. MOSKOW, OF SAN FRANCISCO, CALIFORNIA.

COMBINED SCREEN, WINDOW, AND VENTILATOR ATTACHMENT FOR DOORS.

SPECIFICATION forming part of Letters Patent No. 751,668, dated February 9, 1904.

Application filed September 10, 1903. Serial No. 172,585. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH H. MOSKOW, a citizen of the United States, residing in the city and county of San Francisco and State of California, have invented new and useful Improvements in a Combined Screen, Window, and Ventilator Attachment for Doors, of which the following is a specification.

My invention relates to improvements in devices to be attached to doors for the purpose of providing light and air.

The object of my invention is to provide an attachment for the ordinary outer door of stores and other places which shall be compact, neat, and attractive in appearance, simple in operation, and which shall serve in lieu of the separate screen-door now commonly used. These outer doors are usually provided with glass panels for the admission of light. Ordinarily the screen-door, which is not in use continuously, is hung on its own hinges adjacent to the outer door. When ventilation or weather conditions require the use of the screen-door, it is necessary to swing the outer door back out of the way and temporarily secure it, so that it may not interfere with the opening and closing of the screen-door. Likewise when there is no further need for the screen-door and the outer door is maintained in closed position except during ingress and egress the screen-door must be swung back out of the path of movement of the outer door and locked there or else it must be removed from its hinges and stored away till needed again.

My device contemplates the doing away of the cumbrous unsightly separate screen-door and the substitution for the usual glass panel of the outer door of a hinged screen normally closing the opening and allowing ventilation, a hinged sash adapted on occasion to be closed over the screen, and so afford a door secure against the cold or the elements, and means coöperating with the sash when open to keep the door in normally closed position.

The invention consists of the parts and the construction and combination of parts as hereinafter more fully described, having refer-

ence to the accompanying drawings, in which—

Figure 1 is a perspective view showing the application of my device. Fig. 2 is a section taken on line *x* of Fig. 1 with all parts of device in closed position.

A represents the frame of an ordinary door 2, having the usual window-opening 3, but from which opening the glass is absent.

4 is a screen-frame hinged to the door and fitted within and normally closing the window-opening.

5 is a sash carrying a glass and hinged on the inside of the door and adapted to be closed over the screen when a solid air-tight door is desired and locked by a suitable fastener, as 6. Both the screen and sash may be hinged to a bar, as 7, which matches against the edge of the window-opening on the side adjacent to the door-hinges. The sash and screen are connected by suitable means, as the toggles 8, to limit the outward movement of the former, yet permitting it to close and be locked over the screen or permitting the screen to turn on its hinges independent of the door in case the screen is to be opened for any purpose. When ventilation is needed and it is desired to exclude flies and other insects, the sash is opened and held in such position by any suitable means so as to allow the door 2 to swing freely. The screen remaining closed in the door the latter thus becomes temporarily converted into a screen-door. At night or during cold weather the sash is closed and locked over the screen in the manner described and the door has the natural functions of an ordinary door, excluding air, but admitting light, though the screen still remains in position and out of the way and ready for instant use.

Since the attachment is designed to be on the inside of the door and open inwardly, the appearance of the outside of the door remains plain and neat and nothing except the screen or the screen and the glass over it are visible from the street.

In order to maintain the sash in open position and in adjustment with the swinging of the door and at the same time provide a means

to keep the door normally closed, whereby only can the door as a screen-door be of any use, I have devised the following means: To any suitable point of support—the wall, the
5 floor, the ceiling, or the door-frame, as here shown—I attach a hollow standard 9, in which a jointed guide 10, having a horizontal portion 11, is adjustable. If the door is to serve as a screen-door, the sash is opened and the
10 hook 12 or other suitable fastener engaged with part 11, being freely slidable thereon. As the door is opened the hook moves out on the guide 11, and as it is closed the hook moves in toward the hinges of the door. I
15 also employ a spring, as 13, having one end suitably connected with the sash and the other end secured to a fixed point of support intermediate of the point of attachment of the spring with the sash and the door-hinge—as,
20 for example, the standard 9, as shown. When the door is opened, the spring is expanded. On being released the spring exerts a tension in opposition to the door and sash (which, in fact, form the two members of a toggle) to
25 cause the door to close automatically.

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

30 1. The combination with a hinged door having an aperture, of a screen carried by the door and independently hinged in the aperture thereof and normally closing said aperture, and a sash hinged in said aperture and adapted to close over the screen.

2. The combination with an apertured door, 35 of a screen hinged to the door and normally closing the aperture, a sash hinged to the door and closable over the screen, and means cooperating with said sash to hold the door in normally closed position. 40

3. The combination with a door having a light-aperture, a screen-frame hinged in said opening, a glazed frame carried by the door and hinged to cover the screen-frame, a horizontal guide having a fixed point of support, 45 and means on the glazed frame engaging said support to hold the frame open.

4. The combination with a door having a light-aperture, of a hinged screen-frame in the aperture, a hinged glazed frame carried by the 50 door and adapted to cover the screen-frame, a horizontal stationary guide adjustably engaged by the glazed frame, and spring-tension means cooperating with the glazed frame to cause the door normally to remain closed. 55

5. An attachment for light-apertures, comprising an upright bar or the like adapted to be secured to a wall of the aperture, a screen hinged to said bar and a sash also hinged to said bar and having a limited movement independent of the screen. 60

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOSEPH H. MOSKOW.

Witnesses:

E. MOSKOW,
BURT BURKE.