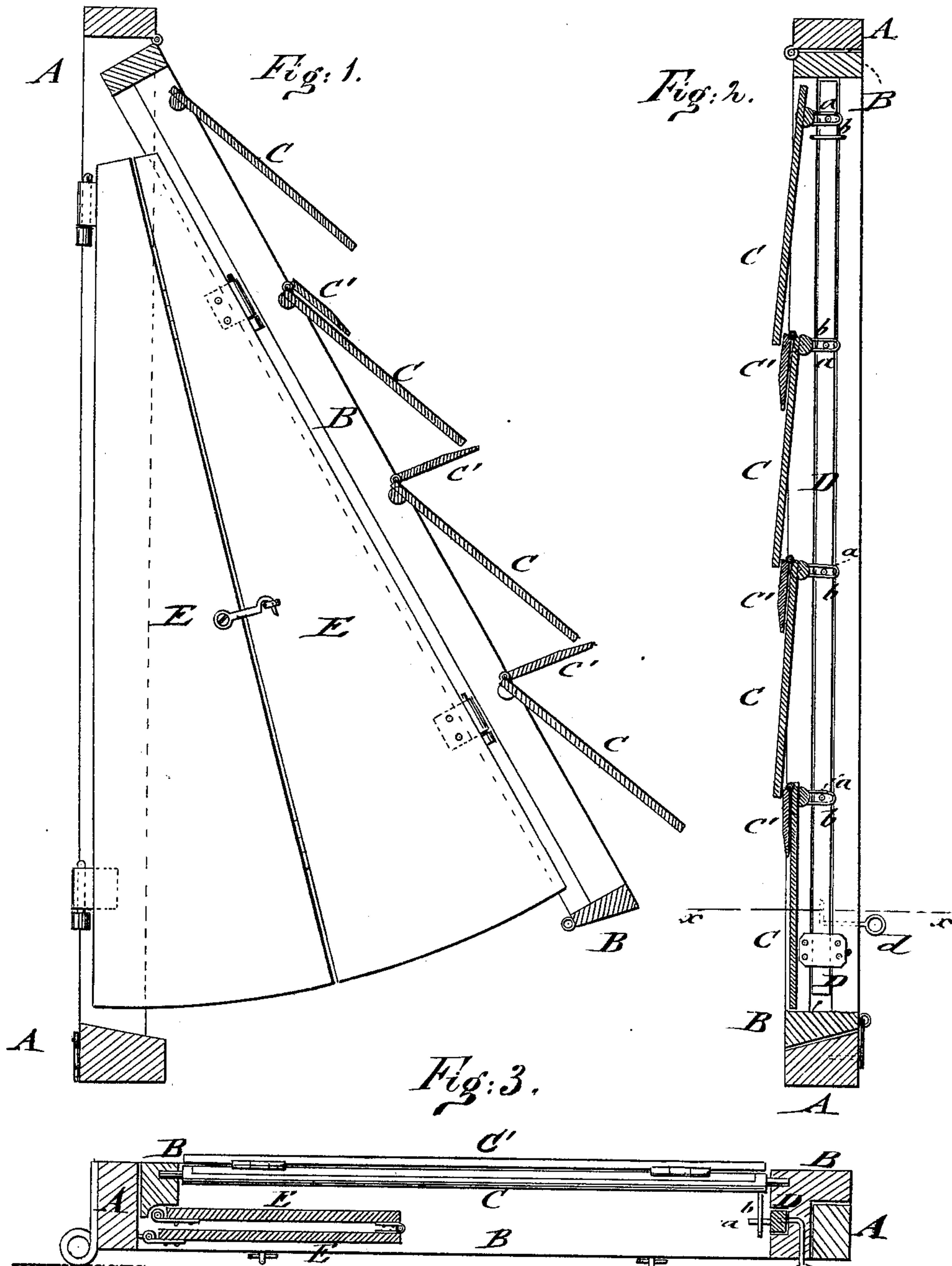


W. S. EVERETT.
Shutter.

No. 196,572.

Patented Oct. 30, 1877.



WITNESSES:

INVENTOR:

WITNESSES:
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UNITED STATES PATENT OFFICE.

WILLARD S. EVERETT, OF HYDE PARK, MASSACHUSETTS.

IMPROVEMENT IN SHUTTERS.

Specification forming part of Letters Patent No. **196,572**, dated October 30, 1877; application filed September 15, 1877.

To all whom it may concern:

Be it known that I, WILLARD S. EVERETT, of Hyde Park, in the county of Norfolk and State of Massachusetts, have invented a new and Improved Shutter, of which the following is a specification:

In the accompanying drawings, Figures 1 and 2 represent vertical transverse sections of my improved shutter, showing the same, respectively, in outward inclination, like an awning, and in closed position; and Fig. 3 is a horizontal section of the same on line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts.

This invention is intended to improve the window-shutters in such a manner that a more perfect ventilation, together with complete protection against the sun and storm, is furnished, the shutter partaking of the character of an awning, and admitting the adjustment and retention of the slats in any suitable position.

This invention consists in the construction and combination of parts, which will be hereinafter fully explained, and then pointed out in the claims.

Referring to the drawings, A represents the outer shutter-frame, which is hinged in the usual manner to the window-casing. A second inner shutter-frame, B, is hinged at the upper end to the outer frame A, so as to be thrown outward, to be supported at suitable inclination. The inner shutter-frame is locked to the outer frame in suitable manner when swung in, and in this position used like the common shutters.

The slats C of the shutter are pivoted to the inner frame B, either centrally or at the upper ends, and adjusted to any desired position in the frame by means of a sliding rod, D, that is guided in an inside groove of the inner frame B.

The adjusting-rod D is connected by pins *a* to fixed loops *b*, exerting on the down motion of the rod D a lever action, so as to throw the slats into more or less open position, while, by the upward motion of the rod, the slats are swung down into closed position, as shown in Fig. 2.

The motion of the adjusting rod or piece D is produced by a pinion and rack, eccentric, or other device, having an outer operating button or knob, *d*.

To the outer edge of the shutter and the outer frame A are hinged sector-shaped sections or wings E, which are also hinged to each other, so as to open, as shown in Fig. 1, when the shutter is thrown in outward position like an awning, the sections supporting the shutter in this position, or folded up into position parallel to the shutter when the same is swung in, as in Fig. 3.

The side wings or shutters E can be readily removed from the hinge-pintles, so as to convert the blind awning into an ordinary blind—a very important consideration.

The shutter-slats C are provided at their upper edges with hinged supplementary slats C', of equal length but less width than slats D, the supplementary slats serving to be thrown up, as shown in Fig. 1, when the shutter is supported in outwardly-inclined position, for the purpose of excluding the sun, while admitting a free circulation of air from below, as well as between the slats.

A shutter of this kind combines the advantages of an awning with that of a Venetian blind, but surpasses either of them by the more perfect ventilation and better protection against storm, so as to be adapted for city and country residences.

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

1. In a blind-awning, the combination of the top hinged frame B, having pivoted slats C, operating-bar D, and hinged detachable wings E, with the main shutter-frame A, as and for the purpose set forth.

2. The combination, with adjustable shutter-slats, of supplementary slats, hinged at or near the upper edge of the slats, for keeping out the sun, but admitting air, substantially as described.

WILLARD S. EVERETT.

Witnesses:

PAUL GOEPEL,
EDWIN HOUGHTON.