

Berdan & Bantley,

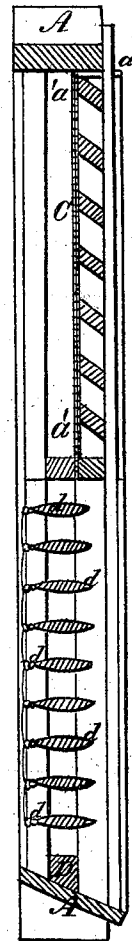
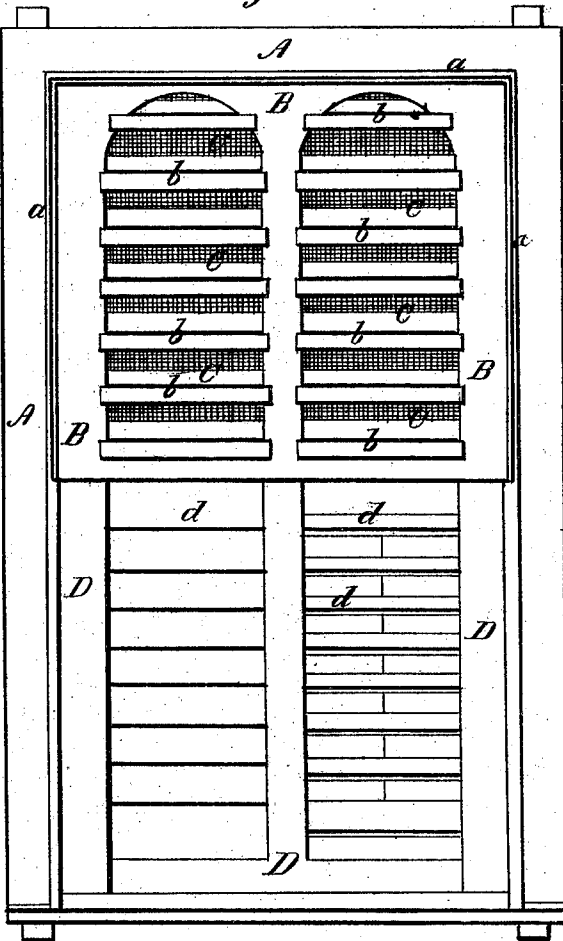
Shutter.

No. 97,269.

Patented Nov. 30, 1869.

Fig. 1.

Fig. 2.



Witnesses:

*H. F. Everts
Jas. I. Day*

Inventors:

*Harrison Berdan
John Bantley
By their Attorney
Thos. S. Sprague*

United States Patent Office.

HARRISON BERDAN AND JOHN BANTLY, OF WAYNE, MICHIGAN.

Letters Patent No. 97,269, dated November 30, 1869.

VENTILATING WINDOW-BLIND.

The Schedule referred to in these Letters Patent and making part of the same

To whom it may concern:

Be it known that we, HARRISON BERDAN and JOHN BANTLY, of Wayne, in the county of Wayne, and State of Michigan, have invented a new and useful Improvement in Window-Blinds; and we do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 is a front elevation of our improved blind, and

Figure 2 is a vertical section of the same.

Like letters refer to like parts in each figure.

The nature of this invention relates to an improved construction of window-blinds, and consists in forming them in two sections, the upper half being fixed in place, and provided on its inner side with a wire-cloth or perforated sheet-metal screen, to prevent the intrusion of insects when the upper sash is lowered, while the lower half is provided with movable slats and wires, and lowers in grooves in the sides of the window frame.

In the drawings—

A represents the frame of a window, and B the upper section of our blind, provided with fixed inclined slats *b*. This section is a fixture in the window-frame. In window-frames of ordinary construction, it may be secured in place by batten-strips *a* nailed on the outside of the frame.

To the inside of this section is secured a screen, C, of wire gauze or finely-perforated sheet-metal, to prevent the intrusion of flies, mosquitoes, or other insects, when the upper sash is lowered for the purpose of ventilation.

D is the lower section of the blind, raising and lowering in a groove, *a'*, at each side of the window-casing; it is provided with the movable slats *d*, of ordinary construction, which may be opened to admit light, or closed to prevent intrusion of insects or entrance of dust.

The advantages possessed by and the method of operating this blind are so fully shown in the drawings, that a further description is deemed unnecessary.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. Providing the upper stationary section B with an interior screen, C, in the manner and for the purpose set forth.

2. In combination with the foregoing, the sliding, movable slatted blind D, arranged and operating substantially as and for the purposes specified.

H. BERDAN.
JOHN BANTLY.

Witnesses:

WILLARD EDMONDS,
FANNY T. EDMONDS.