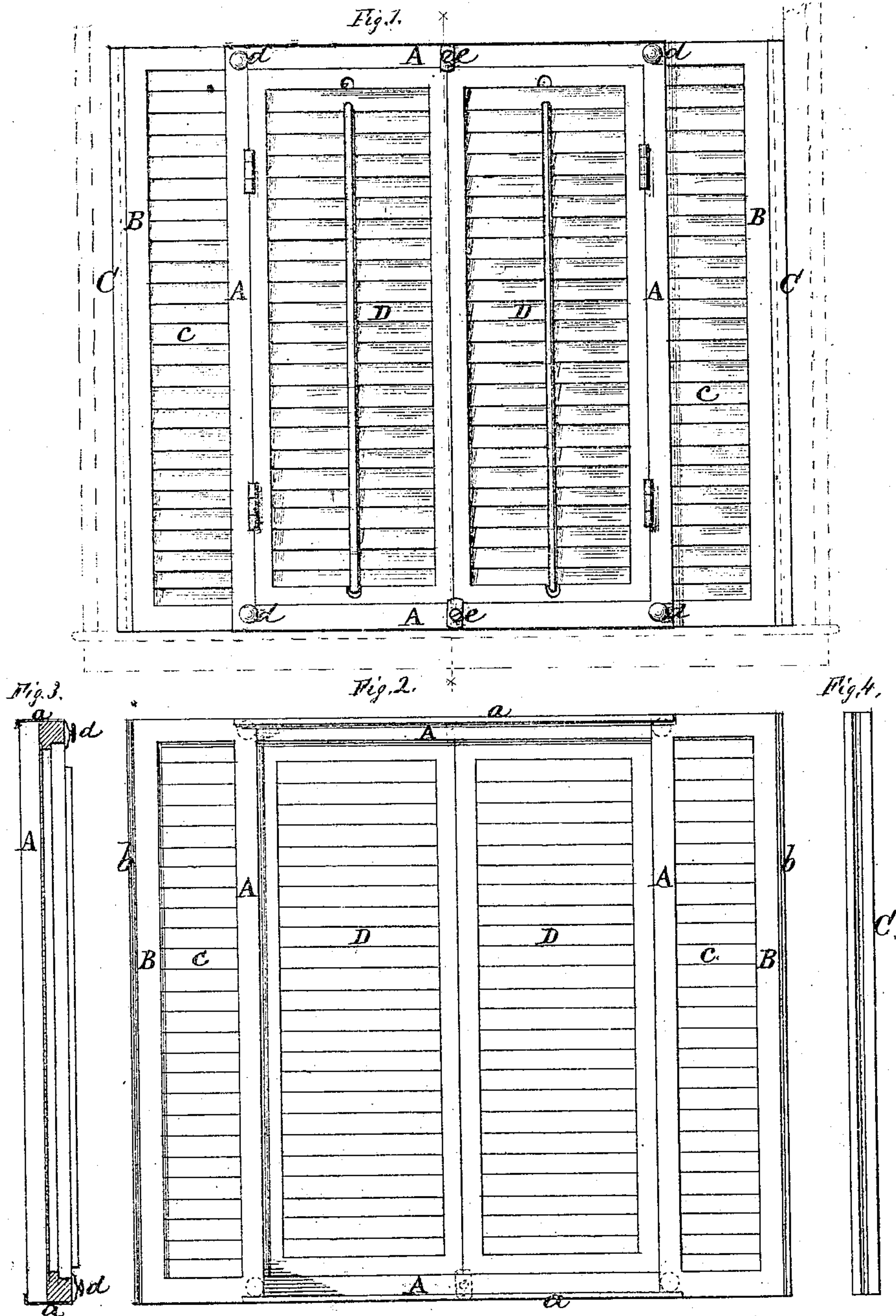


B. J. Williams, Window Screen.

No 96753.

Patented Nov. 9 1869



Witnesses:

W. Burris
C. F. Myers

Inventor:

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United States Patent Office.

BENJAMIN J. WILLIAMS, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 96,753, dated November 9, 1869.

IMPROVED WINDOW-SCREEN AND BLIND.

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

To all whom it may concern :

Be it known that I, BENJAMIN J. WILLIAMS, of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and improved Combined Window-Screen and Venetian Blind; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is an inside view of screen and blind combined, when adjusted to window.

Figure 2 is an outside view.

Figure 3 is a detailed view of grooved strip.

Figure 4 is an edge view of screen.

Like letters, in the figures of the drawings, indicate like parts.

My invention, B, relates to the class of "adjustable window-screens" for excluding mosquitoes and other insects from houses; and consists of a stationary screen, with supplemental screens, constructed and operating the same as in invention A, but having combined therewith Venetian blinds, so that the admission of air and light into the room may be regulated without the inconvenience of removing the screen to accomplish it by the outside blinds; and even then it cannot always be done, as many outside blinds have fixed slats, and so with inside panel-shutters, where but few pivot-slats are used.

The object, therefore, of using Venetian blinds with a window-screen is to remedy this inconvenience.

I construct and operate my invention as follows:

A is the stationary screen.

B B, supplemental screens, movable in guides *a a*, attached to top and bottom of stationary screen, and having tongued edges *b b*, to fit grooved strips C, which will be screwed to the beads of the window-jambs. These strips will extend up to the meeting-rails of the sash, or up to the top of the window-frame, so that a screen may be used at either top or bottom of window.

D D are the Venetian blinds, hinged in a proper manner to the inside of the side bars of the frame, so that they will come flush with the inner edges of the bars all around when closed.

The supplemental screens are provided with fixed slats *c*.

The stationary screen has set-screws *d*, (the same as in the patent of D. H. Hurlburt, June 1, 1869, No. 90,845,) for fastening the supplemental screens when the whole is adjusted to fit the window, and also buttons *e e*, for fastening the blinds.

In fitting the screen to the window, the stationary screen is placed on the sill of the frame, leaving an equal space on either side for the proper adjustment of the supplemental screens, which are moved out until they fit the grooved strips snugly, when the set-screws are tightened, and the whole thus fastened to the window.

The advantages, as stated in invention A are, that the screen thus constructed can be adjusted not only to any window of ordinary width, but can be adjusted as well at the top as at the bottom of the window, without inconvenience of removing and replacing pins when fastening screen, as heretofore, and at the same time the Venetian blinds afford the requisite means by which the admission of air and light may be regulated.

Having thus fully described my invention,

What I claim therein as new, and desire to secure by Letters Patent, is—

The combination of Venetian blinds D with a stationary or an adjustable window-screen, either with or without supplemental screens B, substantially as described.

As evidence that I claim the foregoing as my invention, I have hereunto set my hand, in the presence of two witnesses.

BENJN. J. WILLIAMS.

Witnesses:

JAS. J. CROMWELL,
THOMAS D. SNYDER.