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Improvement in Window Shutters:
Philip Miller.

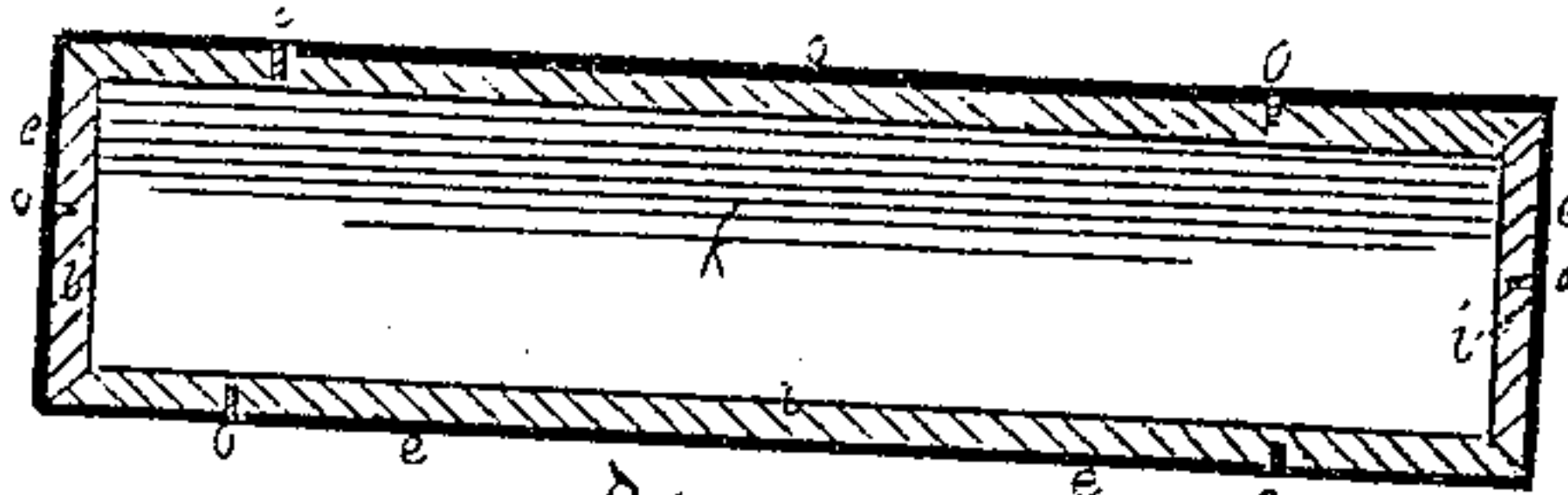


Fig. 2.

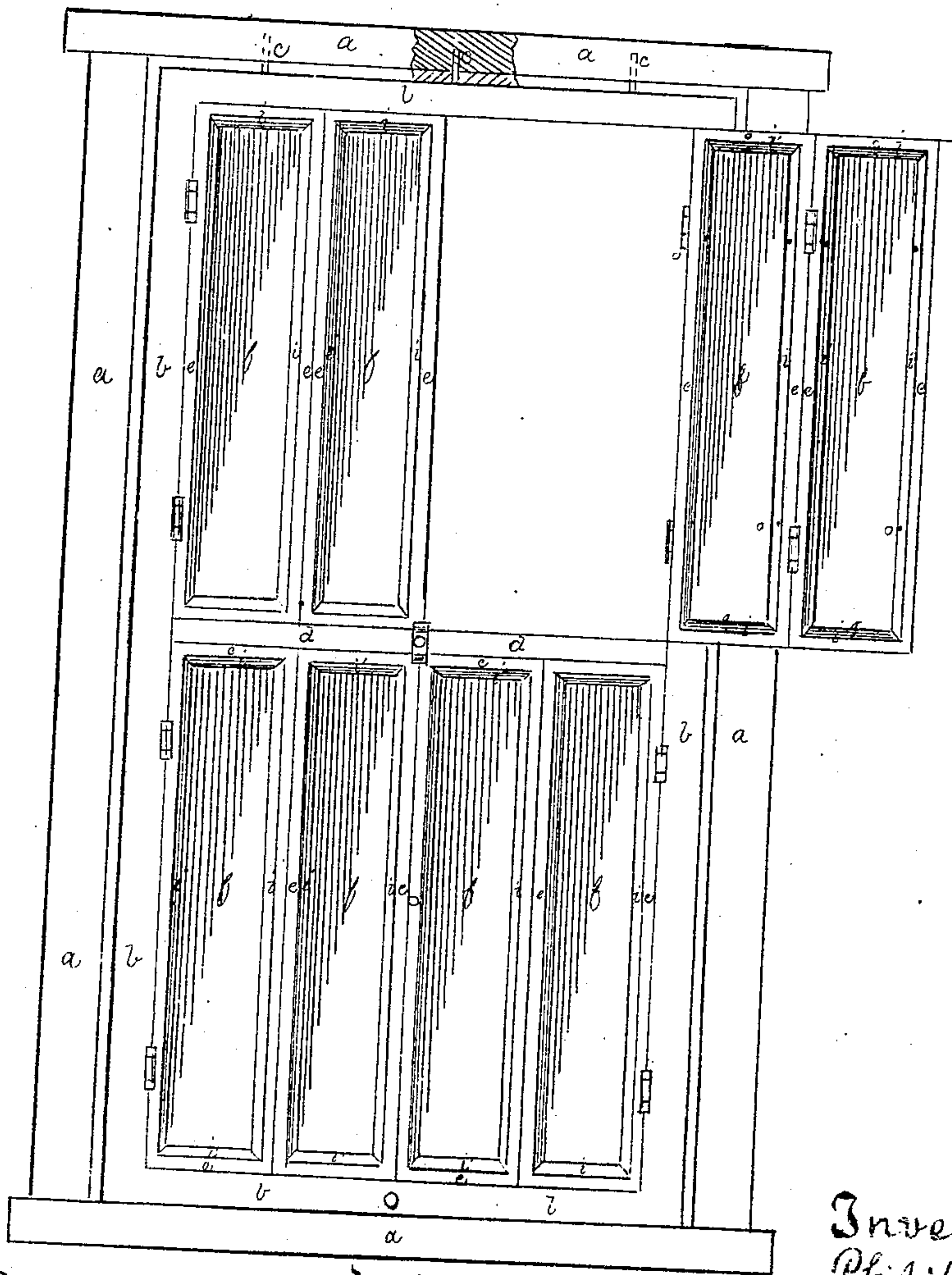


Fig. 1.

PATENTED
DEC 31 1867

Witnesses:
Thos B. Ken
Gleashing

Inventor:
Philip Miller,
By Bakewell & Christy,
his Attys.

United States Patent Office.

PHILIP MILLER, OF SHARPSBURG, PENNSYLVANIA.

Letters Patent No. 72,749, dated December 31, 1867.

IMPROVED WINDOW-SHUTTER.

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, PHILIP MILLER, of Sharpsburg, in the county of Allegheny, and State of Pennsylvania, have invented a new and useful Improvement in Window-Shutters; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, making a part of this specification, in which—

Figure 1 is a front view of a window-frame, closed with my improved shutters, one of the sashes being open, and

Figure 2 is a front sectional view of one of the panels used in the sash.

Like letters of reference indicate like parts in each.

The inside shutters ordinarily employed in the windows of dwelling-houses are, for many reasons, objectionable. Usually, they are hinged to the casings on either side, and, unless the wall be very thick, and the casing specially constructed with reference thereto, such shutters are in the way, particularly when open, are far from being neat, are difficult to put in and take out, and often too heavy for ornament or convenient use.

By my invention, I propose an improved construction of inside shutters for windows, which consists in a detachable frame, carrying one, two, or more, hinged sashes, each panel of which is covered with some translucent fabric, colored or otherwise, as may be preferred.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and how used.

a represents a window-frame or casing, into which fits snugly the shutter-frame *b*, which is securely held therein by the dowel-pins *c*, attached to the top of the frame *b*, and entering the casing *a*. The weight of the frame *b* then rests, by its lower end, on the casing *a*, the dowel-pins *c* holding its top from falling out. This frame *b* is divided, by cross-bars *d*, into any desirable number of divisions, in each one of which is a hinged sash or sashes, *e*. The panels of this sash are filled by a device, as shown in fig. 2, consisting of some translucent fabric, *f*, as muslin, netting, mosquito-bar, &c., stretched over the side *i* and end pieces *i'*. These pieces *i i'* are made separate, with ends so bevelled as that they shall brace each other, and pins *o* are placed in them, on which to catch the edges of the muslin. The muslin or other fabric employed for the panels, after being cut to the proper size, is caught on the pins *o* of the side pieces *i*, which pieces are then spread sufficiently to admit between their ends the end pieces *i'*. Such panels, so made, are placed in the sash *e*, and fit therein sufficiently tight to be held in place.

I claim this construction of inside shutter as valuable both for use and ornament. It is convenient for use, since it is easily removable, may be employed with either open or closed windows, and, in the former case, answers all the purposes of a mosquito-bar, and for such use is equally applicable to doors. By covering the panels with some colored or richly-figured translucent fabric, the appearance of the shutters may be made to harmonize with the general appearance of the room; and, when such fabric-panels become soiled or injured, they are removed to be cleaned, and the same or others inserted, by lifting out the side pieces *i* or end pieces *i'*.

I thus make these highly ornamental as well as useful. They shade a room sufficiently, and render window-curtains unnecessary. In the lower part of the frame *b*, I place one or more handles or knobs *h*, by which the more easily to put in or remove the shutter.

What I claim as my invention, and desire to secure by Letters Patent, is—

The construction of a detachable inside window-shutter, consisting of a frame, *b*, hinged sash or sashes *e*, with removable panels of a translucent fabric stretched or spread over side and end pieces *i i'*, substantially as and for the purposes hereinbefore set forth.

In testimony whereof I, the said PHILIP MILLER, have hereunto set my hand.

PHILIP MILLER.

Witnesses:

A. S. NICHOLSON,
GEO. H. CHRISTY.