

C. H. Anders,
No. 89375. Sash Blind. Patented Apr. 27. 1869.

Fig. 2.

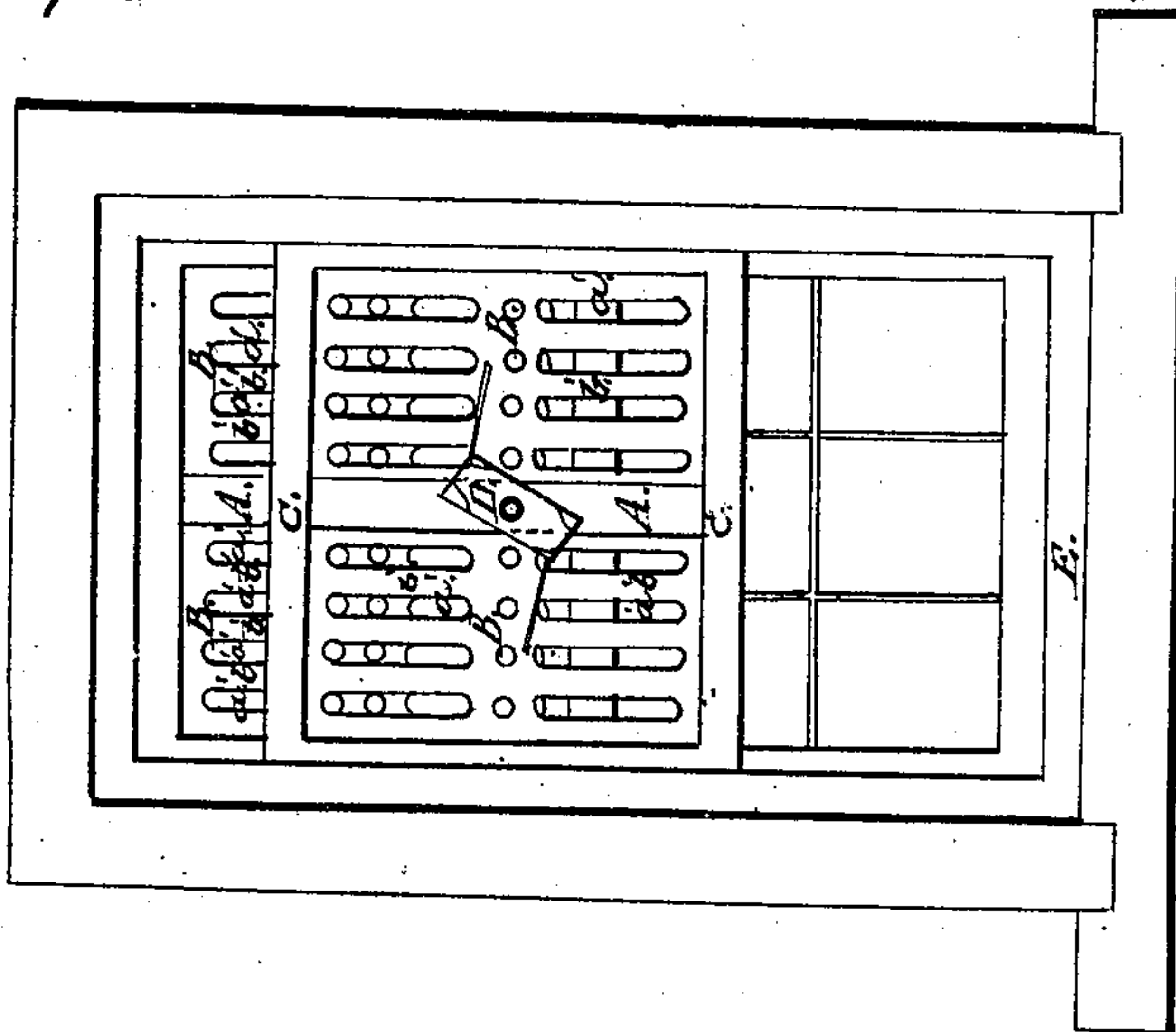


Fig. 3.

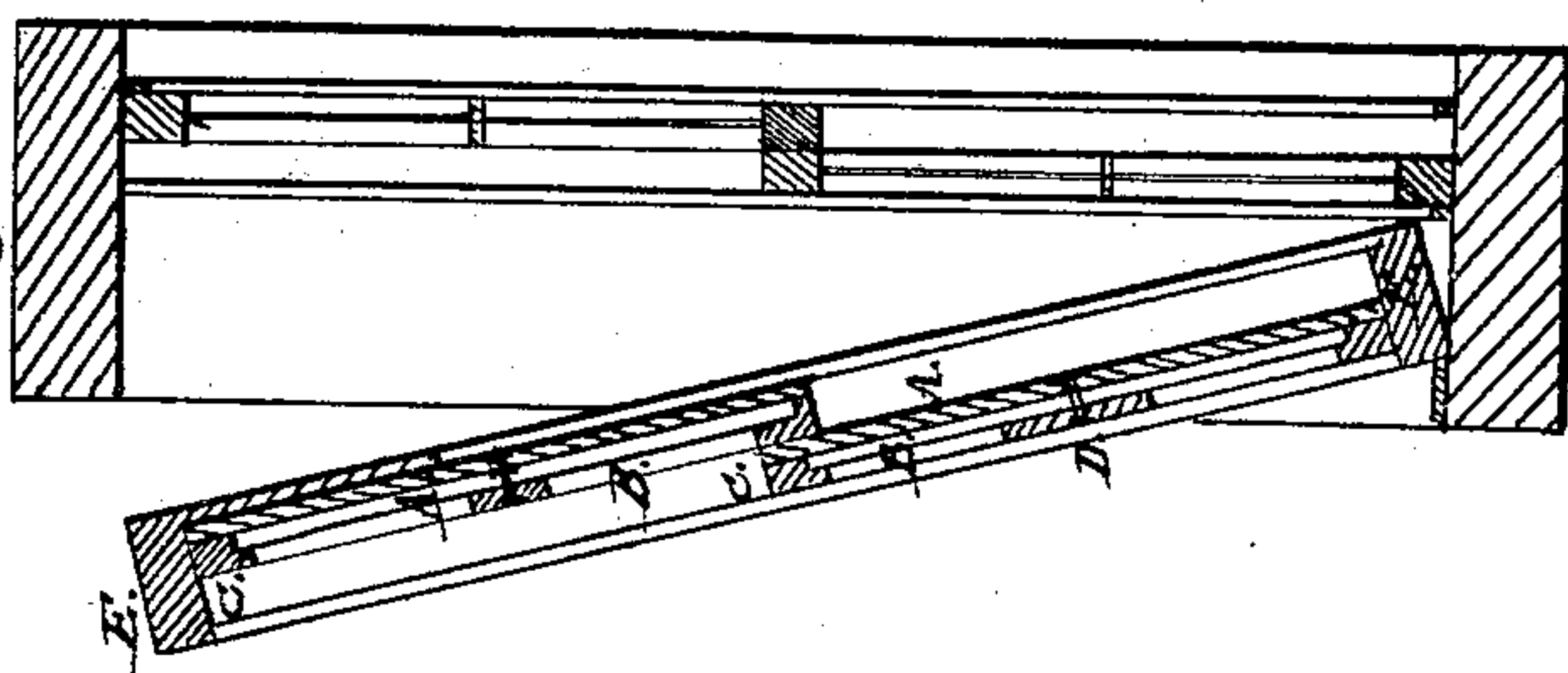
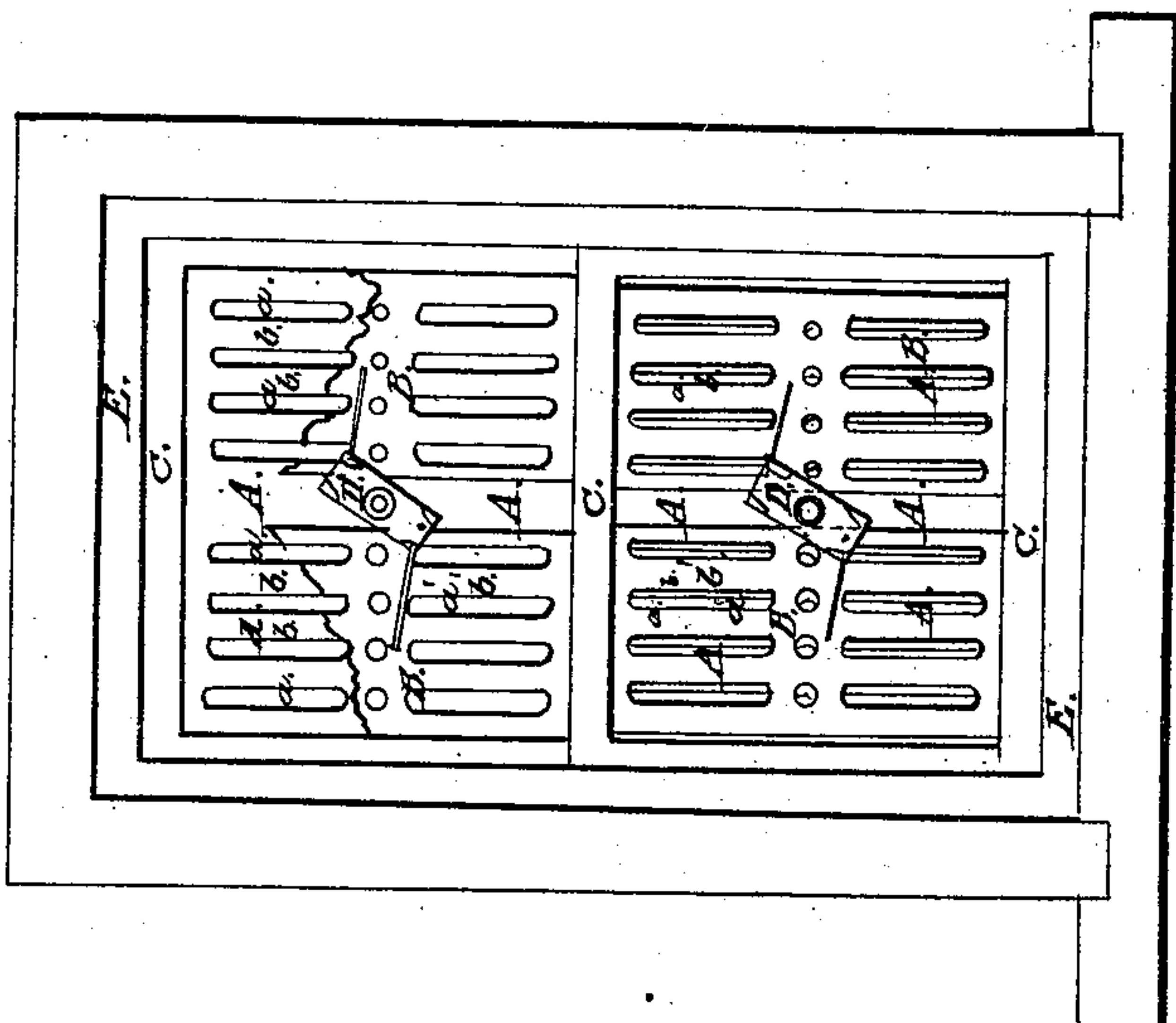


Fig. 1.



Witnesses:
Wm. H. Rome
W. Burris

Inventor:
Chas. H. Anders
By D. A. Burr
Att'y.

United States Patent Office.

CHARLES H. ANDERS, OF MYERSVILLE, MARYLAND.

Letters Patent No. 89,375, dated April 27, 1869.

IMPROVED SASH-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, CHARLES H. ANDERS, of Myersville, in the county of Frederick, and State of Maryland, have invented a new and useful Inside Shutter or Sash-Blind; and I do hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a front elevation of a sash and blind, the lower half of the blind being represented as partially closed, and a portion of the inner screen, in the upper half, broken away, to disclose the outer stationary screen;

Figure 2 is an elevation of the blind, when made in sashes, showing the lower sash partially raised; and

Figure 3, a vertical central section, illustrating the manner of detaching the blind-frame and sash from the window-frame.

Similar letters indicate like parts in each of the figures.

The nature of my invention consists in the combination with a fixed and stationary slotted or slatted screen, of a corresponding movable, sliding, slotted or slatted screen, which, by its movement, will operate to cover or uncover the apertures in the stationary screen; and in the combination of the complete blind thus constructed with sliding sashes, and with a detachable frame, to be placed at pleasure within an ordinary window-frame.

The stationary, or outer division, A, figs. 1 and 3, of my improved blind, is constructed with a series of parallel longitudinal apertures, *a a*, &c., arranged vertically, as illustrated in fig. 1, alternating with closed spaces, *b*, of equal width.

The apertures *a a* may extend uninterruptedly from top to bottom of the screen, or be separated midway, as illustrated in the drawings, or otherwise, as may be deemed proper.

The inner movable division, B, of the blind, is constructed in one or more sections, each provided with alternate apertures and closed spaces, similar in all respects to those in the outer stationary screen A, so that when the apertures in the inner divisions or screens B are brought in register with the apertures *a*, in said outer screen A, the light may pass through the apertures without obstruction.

The stationary and movable divisions, or screens, A B, are enclosed in suitable frames C, the movable inner divisions, B, being arranged to slide over and in front of the stationary division A, in suitable grooves or ways, formed in the enclosing frame, with just play enough to permit the apertures *a*, in the latter, to be entirely covered at pleasure, by the closed spaces *b*, in the former, through a proper movement thereof.

Motion may be imparted to the movable divisions B, of the blind, by any suitable device.

In the accompanying drawings, wherein two inner divisions, or screens B B, are represented as covering an outer screen, A, I have illustrated a simple button, D, having wires pivoted to and extending from its arms, respectively, to pivot pins on the one and the other sliding screen, so that by turning the button in one direction, the apertures in these movable screens shall be brought in register with the corresponding openings in the outer screen, and by turning it in the contrary direction, the latter shall be covered by the closed spaces in the former, as partially illustrated in fig. 1.

The frames C, containing the complete blind, may be made large enough to fill the entire frame of a window, and be inserted therein in front of the glazed sash, on the inside thereof.

They may, in such case, be made so light as to admit of being readily removed or replaced, or they may be hinged to open out, entirely clear from the window at pleasure; or these frames, C C, may be fitted in pairs in the window-frame, or in a detachable frame, E, to be inserted therein, as shown in the drawings, so as to slide and operate as sashes, permitting either half of the window to be partially or wholly uncovered at a time, as shown in fig. 2.

By thus arranging the blinds and sashes in a detachable frame, E, the entire window may be uncovered by simply removing the frame, as shown in fig. 3.

Friction-rollers may be inserted under the sliding screens B B, to facilitate their movement, and rubber, or other springs, or friction-stops, may be inserted in the frame holding the blind-sash, to control the movements thereof.

Having thus fully described my invention,

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

1. My improved blind, constructed of an outer stationary screen, A, composed of alternate open and closed spaces *a b*, of equal, or nearly equal width, covered by one or more sliding screens B, having similar open and closed spaces formed therein, and which shall operate to cover and uncover the apertures in the stationary screen, substantially as herein set forth.

2. The combination of the blinds A B, constructed as herein described, with sliding frames, or sashes C C, and with a detachable frame, E, all substantially as herein set forth.

The foregoing specification of my improved sash-blind, signed by me, this 29th day of March, 1869.

Witnesses:

CHAS. H. ANDERS.

DAVID A. BURR,
WM. H. ROWE.