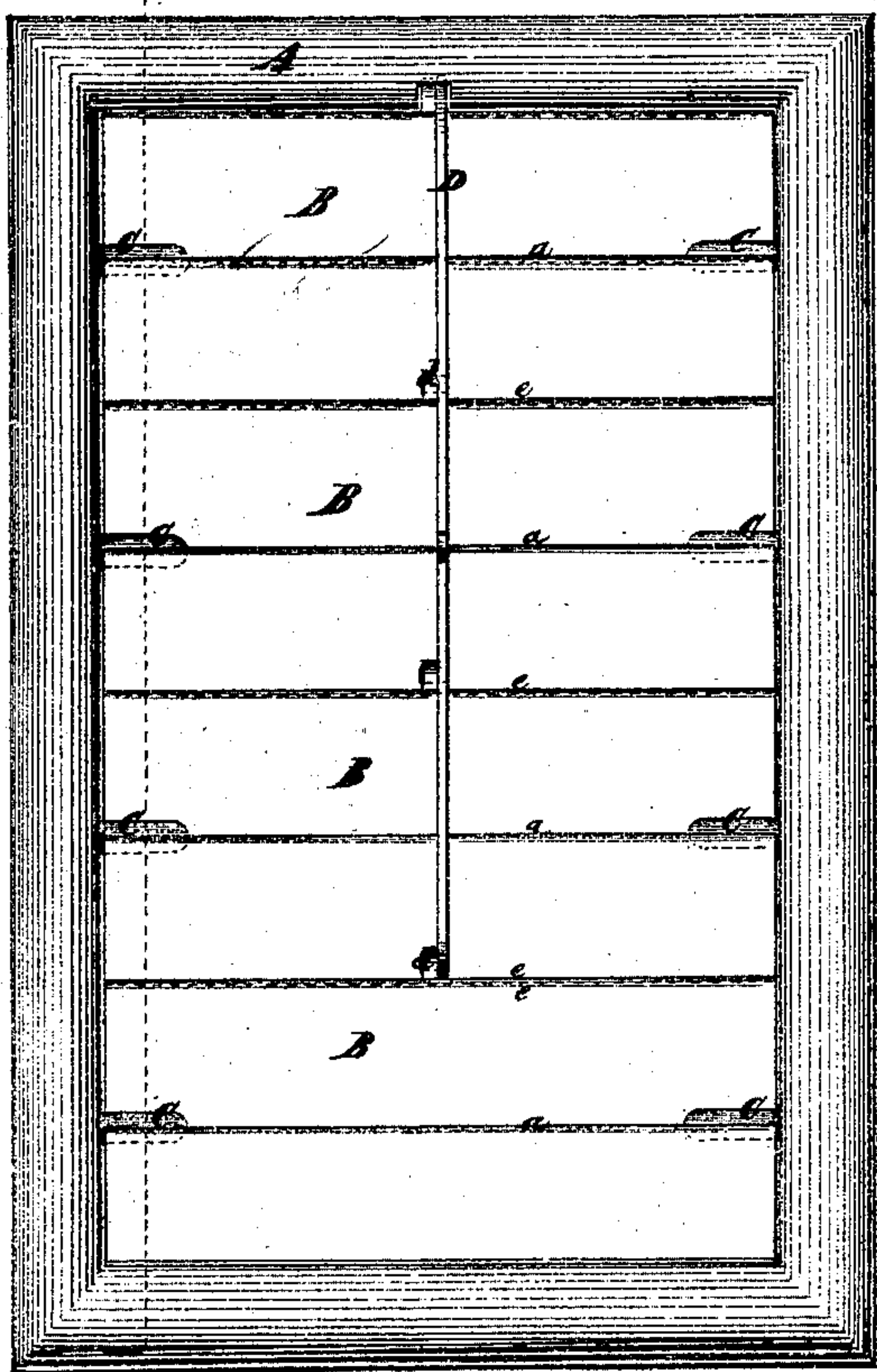


*William E. Brock's Imp<sup>d</sup> Blind Slat*

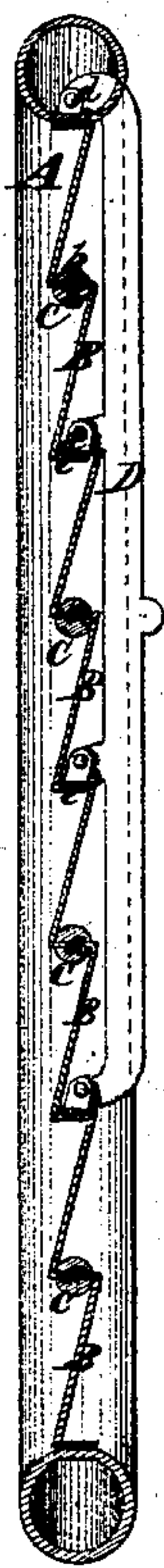
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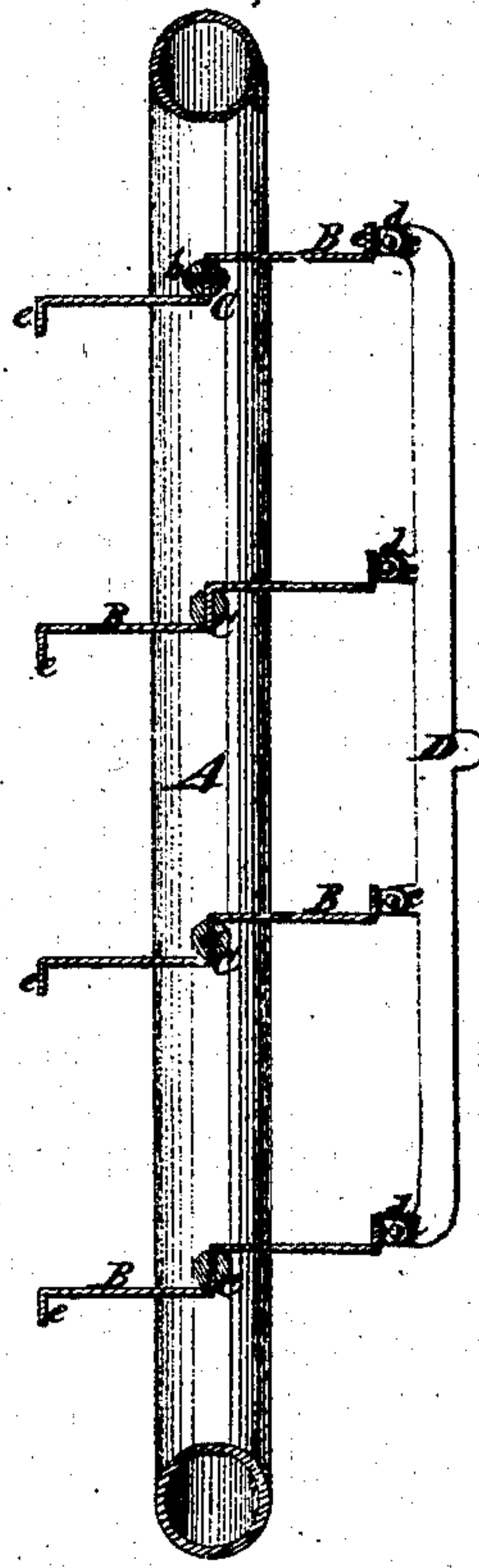
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses:*  
*Fred. Haynes*  
*R. M. Ralston*

*W. E. Brock*

# UNITED STATES PATENT OFFICE.

WILLIAM E. BROCK, OF NEW YORK, N. Y.

## IMPROVEMENT IN WINDOW-BLINDS.

Specification forming part of Letters Patent No. 116,679, dated July 4, 1871.

*To all whom it may concern:*

Be it known that I, WILLIAM E. BROCK, of the city, county, and State of New York, have invented a new and Improved Blind-Slat; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing forming a part of this specification:

This invention consists in a novel construction of the pivots and manner of securing them to the slats.

In the accompanying drawing, Figure 1 is a face view of a blind constructed according to my invention, showing it closed. Figs. 2 and 3 are vertical sections of the same, showing it in different positions.

Similar letters of reference indicate corresponding parts in the several figures.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation with reference to the drawing.

A is the frame, and B B are the slats, made of sheet-iron or other suitable metal, and formed with a central longitudinal jog, *a*, which extends the whole length of the slat and is at right angles to the faces thereof. The upper and lower edges of the slat are similarly bent in opposite directions, so as to form flanges *e e*, which, when the slats are closed, lap over each other, and thereby almost entirely prevent any dust or light from passing between them. On the center of each of the upper flanges *e* is a projection, *d*, provided with a hole, by which the slats are

secured to the rod D. The pivots C C are of a diameter corresponding to the depth of the jog *a*, and are provided with a longitudinal slit in their inner portions, which receive the edges of the jog *a*, and are secured from lateral displacement by bearing against the faces of the slats at opposite sides thereof. They may be further secured to the slat, if necessary, by rivets *b b*, as shown in the upper slat in Figs. 2 and 3. The rod D, by which the slats are operated, has projections *c c* formed on it, provided with holes, and connected with the projections *d* on the slats by pins passing through the holes and riveted on the outside thereof. The rod may consist of a piece of wire, bent so as to form loops, which are connected to ordinary blind-wires attached to the edges of the slats.

Owing to each of the slats being formed with a jog, when they are closed the blind has the appearance of an ordinary blind with twice the number of slats; and, as the slats are a great deal deeper than the ordinary ones, they are pivoted at a greater distance apart, and consequently, when opened, admit more air and light than the blinds in common use.

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

The pivots C C, formed with slits, in combination with the jog *a* of the slats, substantially as herein described.

W. E. BROCK.

Witnesses:

FRED HAYNES,  
R. E. RABEAU.