

William E. Brock's Improv^d Blind Slat.

B

No. 122,806.

Patented Jan. 16, 1872.

Fig. 1

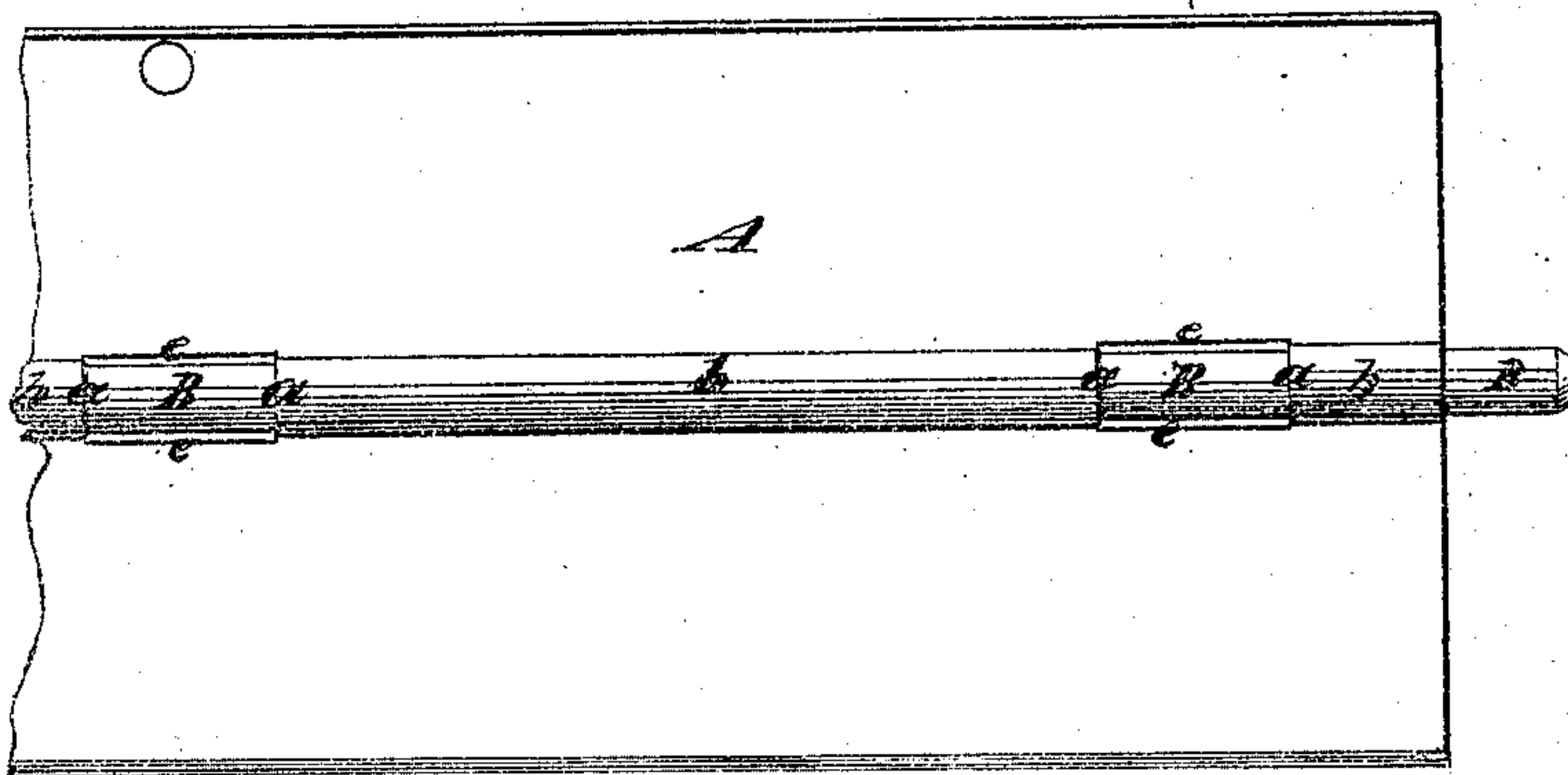


Fig. 2



Witnesses.

Fred Hamner
R. L. Rabreau

W. E. Brock

UNITED STATES PATENT OFFICE.

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

IMPROVEMENT IN METAL SLATS FOR SHUTTER-BLINDS.

Specification forming part of Letters Patent No. 122,806, dated January 16, 1872.

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 Metal Slat for Shutter-Blinds; 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 manner of securing the rod, whose ends form the tenons or pivots, to the slat, whereby greater strength is given the slat, and the rod is more firmly secured thereto.

In the accompanying drawing, Figure 1 is a face view of a portion of a slat made according to my invention, and Fig. 2 is a transverse section of the same.

Similar letters of reference indicate corresponding parts in both figures.

A is the slat, formed of a single piece of sheet or plate metal, the upper and lower edges of which are turned perpendicularly over in reverse directions so as to fit corresponding edges of the adjacent slats when shut, and prevent dust and light from passing between them. Formed longitudinally in the slat is a central, groove-like bend, *b*, which is of a size to fit a rod, B, whose ends form the pivots of the slat, and of a depth to encircle about two-thirds of

the circumference of the said rod. At suitable intervals throughout the length of this bend the so-bent portion of the plate is slit or cut across, as shown at *a a* in Fig. 1, and alternate portions bounded by these slits are bent back in a reverse direction through the groove *b* to form bearings for the other side of the rod; and as the groove *b*, as has before been described, is of such size as to encircle two-thirds of the circumference of the rod, if the portion between the slits *a a* were all bent back it would be more than sufficient to encircle the uncovered third; consequently, the surplus metal is doubled over to form rib-like projecting folds *e e* above and below the center of the rod, thereby giving additional strength to the slat, and very firmly securing the pivot-rod B thereto by stiffening the connections of the loop-like portions *c c* with the body of the slat.

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

The slat formed with a groove-like bend, *b*, reversed bends *c c*, and projecting folds *e e*, and receiving the pivot-rod B, substantially as and for the purpose herein described.

W. E. BROCK.

Witnesses:

FRED HAYNES,
R. E. RABEAU.

(30)