

E. W. Bullard,

Shutter Bower.

N^o 11,597.

Patented Aug 29, 1854.

Fig. 2.

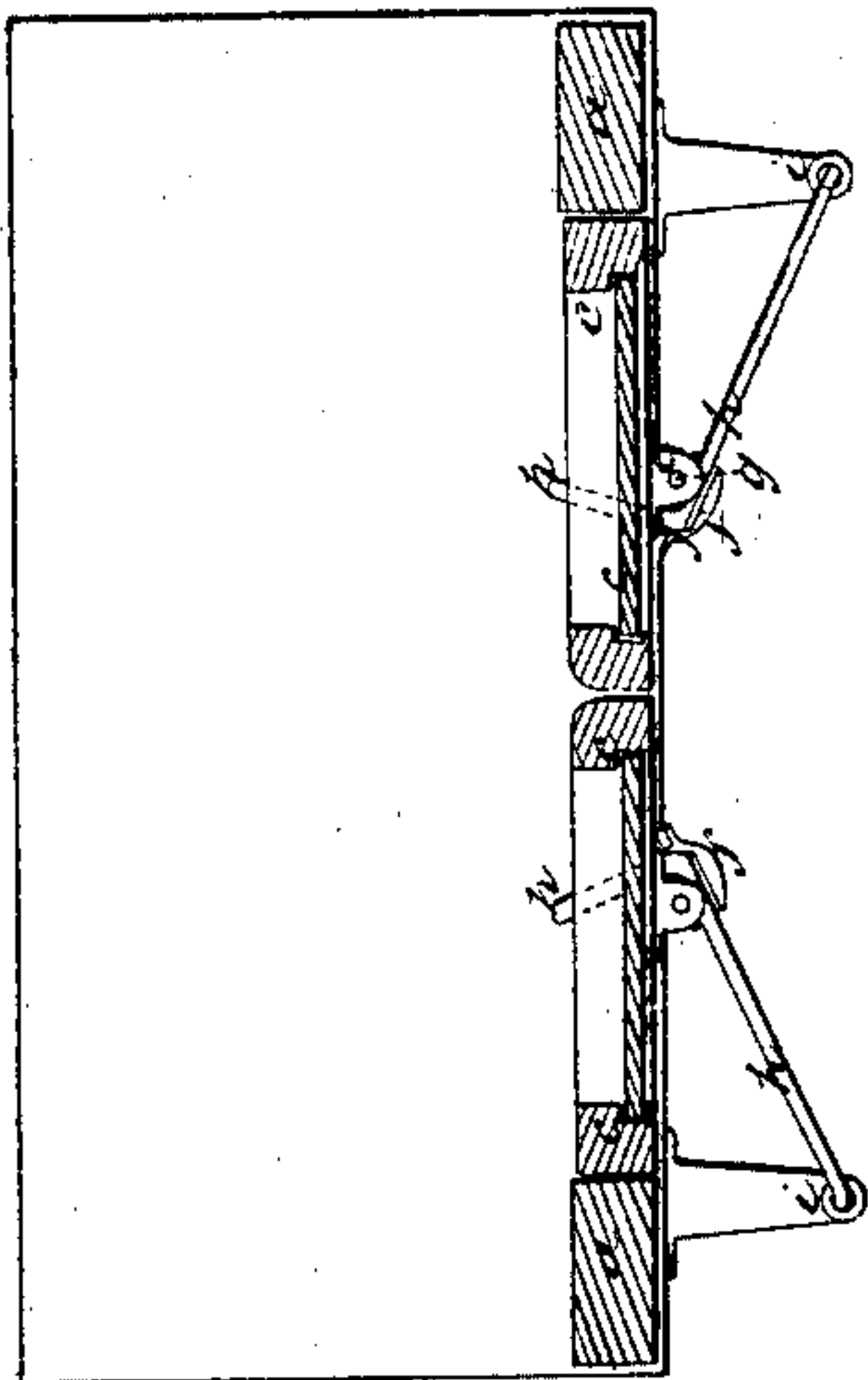


Fig. 3.

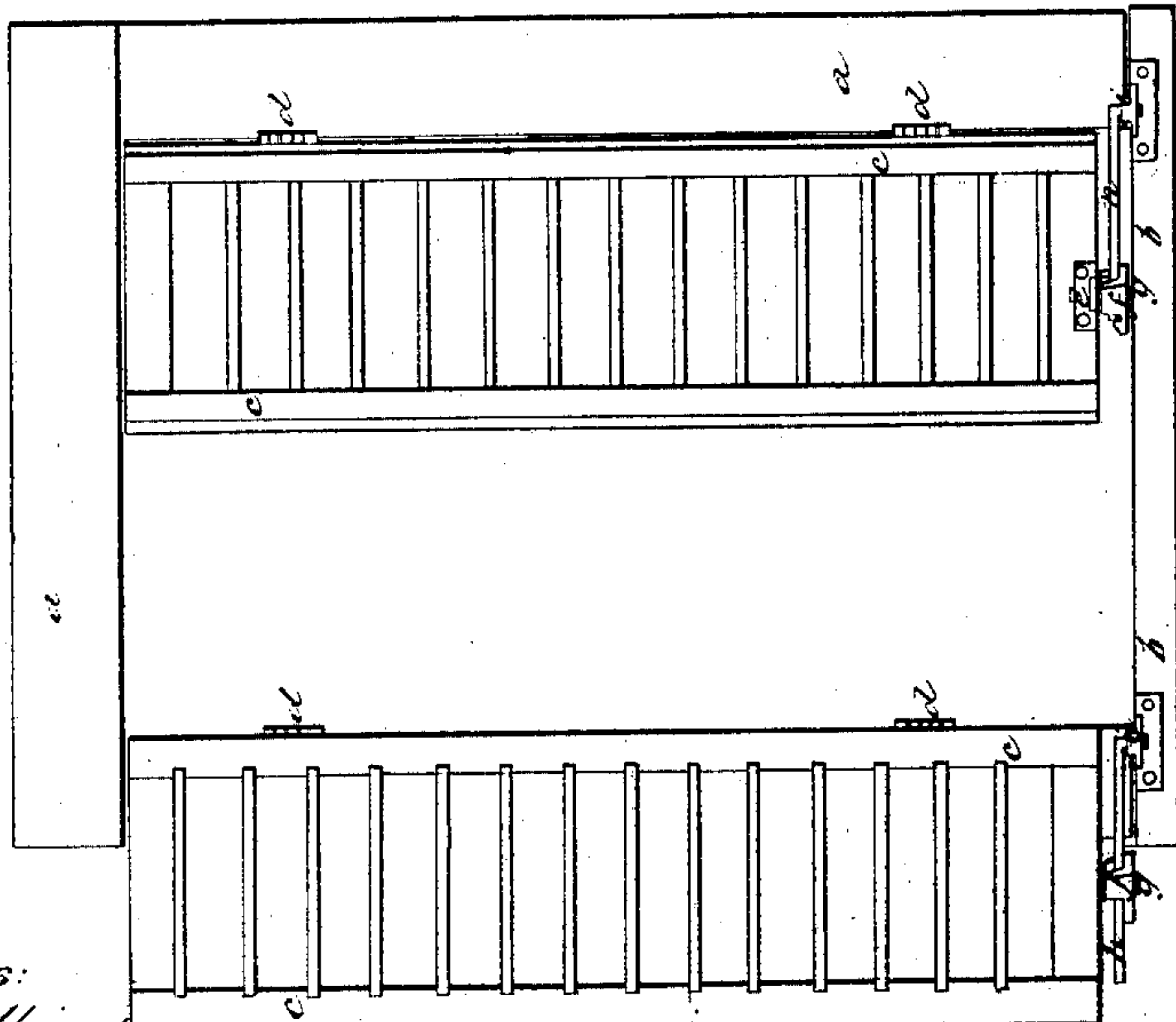


Fig. 1.

Witnesses:
Dwight Billings
A. J. Billings

Inventor
E. W. Bullard

UNITED STATES PATENT OFFICE.

E. W. BULLARD, OF HARDWICK, MASSACHUSETTS.

WINDOW-BLIND HOLDER.

Specification of Letters Patent No. 11,597, dated August 29, 1854.

To all whom it may concern:

Be it known that I, E. W. BULLARD, of Hardwick, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Window-Blind Fasteners, and that the following description, taken in connection with the accompanying drawings, hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvements, by which my invention may be distinguished from others of a similar class, together with such parts as I claim and desire to have secured to me by Letters Patent.

The figures of the accompanying plate of drawings represent my improvements.

Figure 1, is a side elevation of a window frame &c. with the blinds attached, and my improved fastener applied thereto, one blind being represented as open and the other shut. Fig. 2, is a horizontal section taken in the plane of the line A B, Fig. 1. Fig. 3 is a detail section of the fastener to be hereinafter referred to.

One of the principal difficulties that has occurred in the use of the blind fasteners heretofore invented, has arisen from the sagging or vertical displacement of the blind, which prevents the catch upon the blind, from engaging with the hasp or other device upon the window sill or wall of the house. By my improvements the fastener is placed upon the blind, and is entirely independent of any hasp or catch either upon the window frame, or the wall of the house, constituting in fact a self fastening apparatus, and one which is so arranged that the blind can be opened or shut, without reaching far out of the window.

a a in the drawings represents the outside frame or casing of a window, and *b b* the sill of the same.

c c,—*c c* are the blinds hung upon hinges *d d*. To the bottom of each blind is fastened a plate *e*, to which is attached a swivel box *f*, by a pivot *g*. The box *f* has a groove or channel cut through it, Fig. 3 in which is loosely inserted a right angular shaped rod *h h*, one end of which has a bearing and thus turns freely in a projecting plate *i*,

fastened to the outside of the window sill. The bent portion *h'*, of the rod *h h'*, abuts against a projection or hasp, *k* forming a part of the box *f*. By this arrangement it will be seen that when the parts are in the position above explained and shown in the drawings, the blind will be rigidly fastened and held in place, as any force which would necessarily act against and in the direction of the rod *h*, which as has been shown has a bearing at one end in the projecting plate *i* and at the other end in the notch formed by the hasp *k*, of the box *f* so that the rod *h h'*, will rigidly hold the blind in place whether opened or closed.

The blind can be opened or closed by fitting the rod *h h'* from its notch in the box *f*, the rod *h h'* while the blind is swinging in either direction, turning freely upon its pivot *i*, in the plate *e*, and traveling upon the rod *h h'*, until the projection or hasp *k* abuts against the bent portion *h'* of the rod, *h h'* when as the top of the said projection is beveled off, the bent portion *h'* will slide over the projection *k*, and drop into the notch *j* in the box *f* by which the blind will be rigidly held.

From the foregoing description it will be seen that my improved fastener is entirely independent of any catch or device either upon the window sill, or the side of the house, and that its successful operation cannot be prevented by any sagging or vertical displacement, of the blind or shutter.

Having thus described my improvements I shall state my claims as follows—

What I claim as my invention and desire to have secured to me by Letters Patent is—

A blind fastener constructed and operating substantially as herein above described the same consisting of the swivel box *f* with its projection or hasp *k* turning freely upon, and when the blind is opened or closed, rigidly held by, the angular rod *h h'*, the said rod having a bearing upon which it swings in the projecting plate *i*, as set forth.

E. W. BULLARD.

Witnesses:

DWIGHT BILLINGS,
A. J. BILLINGS.