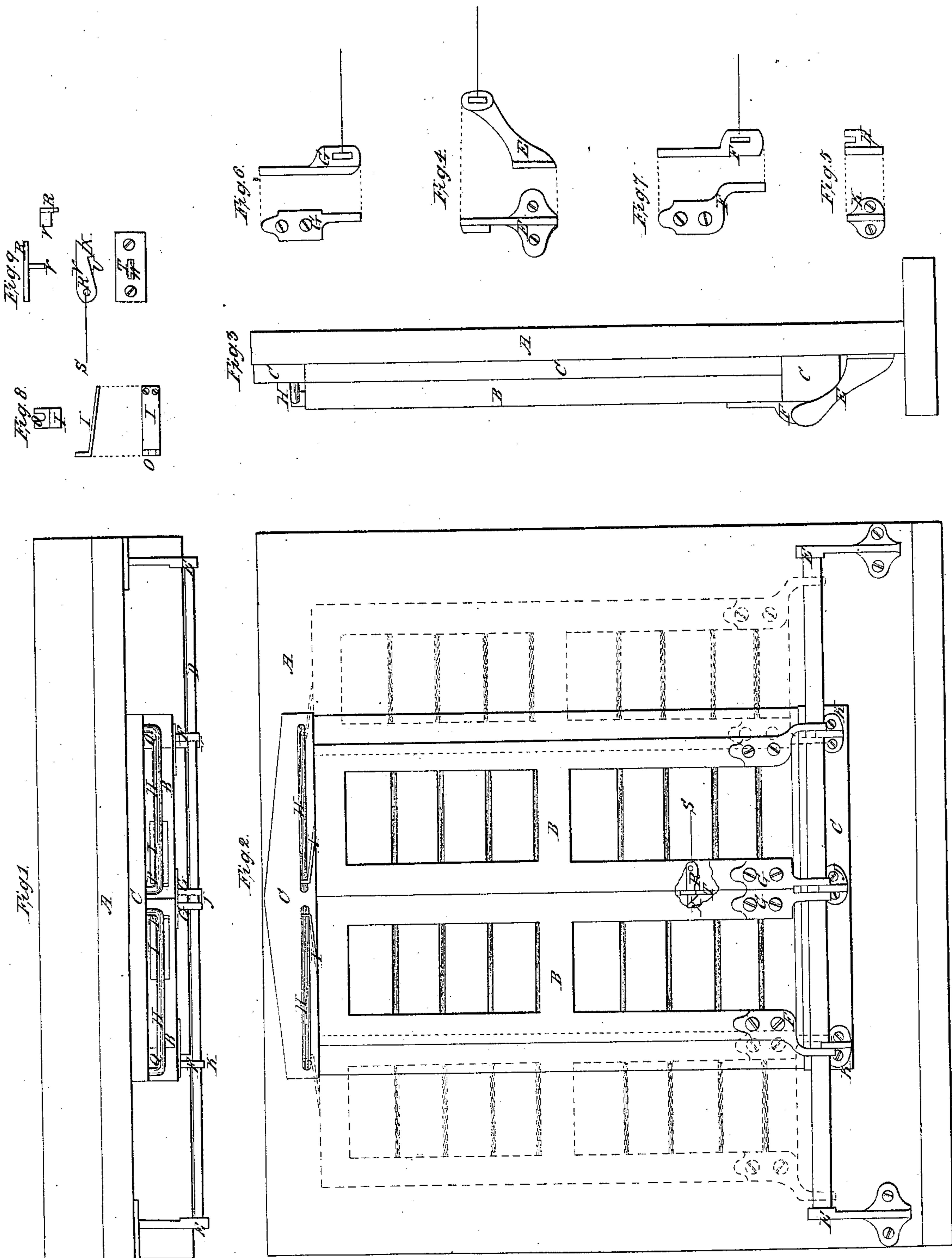


A. G. Batchelder,

Shutter Fastener.

Patented Jan. 19, 1858.

N^o 19,170.



Witnesses
E. W. West
H. C. Pearson.

UNITED STATES PATENT OFFICE.

ASAHEL G. BACHELDER, OF LOWELL, MASSACHUSETTS, ASSIGNOR TO HIRAM E. PARSON
AND ALDEN M. BUTTERFIELD, OF SAME PLACE.

WINDOW-BLIND FIXTURE.

Specification of Letters Patent No. 19,170, dated January 19, 1858.

To all whom it may concern:

Be it known that I, ASAHEL G. BACHELDER, of Lowell, in the county of Middlesex and Commonwealth of Massachusetts, have
5 invented a novel and useful Improvement in Window-Blind Fixtures; and I hereby make the declaration that the following specification, in connection with the accompanying drawing and references thereon,
10 constitutes a lucid, clear, and exact description of the construction and operation of the same.

In referring to the said drawings, Figure 1, denotes a plan or top view of a portion of
15 the wall of the building, the window casing and the blinds attached thereto with my fixtures. Fig. 2, a side elevation of the same. Fig. 3, an edge view of the same. Fig. 4 is an elevation, and edge view disconnected from the blinds, of the sustaining
20 stand which is fixed to the wall of the building for holding and sustaining the bar for the blind to slide upon. Fig. 5, denotes the same views of the stands which are connected to the window stool also for sustaining
25 the bar for the blinds to slide on. Fig. 6, denotes the same of the central stop and slide stands which are attached to the lower and inner corners of the blinds. Fig. 7,
30 denotes the same views of the stands attached to the lower and outer corners of the blinds. Fig. 8, is a top, side, and end view of the springs, one end of which are secured to the top of the blind, while the other
35 presses against the rod which is fixed to the building above the blind. Fig. 9, is a disconnected view of the lock for fastening the blinds together.

The nature of my invention consists in
40 the window blind fixtures hereafter described, for outside blinds, so constructed and attached to the blind, and building, that the blinds are constantly pressed down to prevent rattling, and in the blind being
45 prevented from sagging, and allow them to be opened and closed, and locked as will be hereafter seen.

To enable persons skilled in the art to which my invention appertains, to construct
50 and carry out the same, I will describe it as follows: The walls of the exterior of the building may be seen at A, Fig. 2, also at Figs. 1 and 3, the window casing may be seen at C. I then make use of two ordinary
55 blinds seen at B for one window. I then

construct arrange and attach the fixtures as follows. I construct a metallic bar seen at D the ends of which are secured to the exterior of the wall of the building as low as the lowest portion of the blinds by the metallic sustaining stands E, and mortise in them, seen
60 at N, Fig. 4, while the inner or central portion of this bar is sustained and kept in position by the metallic stands J and K which are secured to the window stool. To
65 the lower and inner corners of the blinds I attach the stands G, with wood screws. These stands have a mortise formed in them as seen at L, Fig. 6, through which the bar D passes, and on which these stands and
70 blinds slide, their shutting movement being stopped by the central stand J, and the guide H and spring I, at the top of the blind. The blinds are stopped when entirely
75 open by the spring I, and guide H, and by the stands G, coming in contact with the stands K, on the window stool. To the lower and outer corners of the blinds I secure the metallic stands seen at F, they being fitted so
80 as to slide on, and be guided by the bar D, by the mortise M see Fig. 7. To the window cap just above the blind, I secure rods seen at H, and to the tops of the blinds I secure
85 springs seen at I, one of their ends being made a recess as seen at O, Fig. 8, which recess receives the rods H, and which guide these springs, and they in turn guide the
90 blind, they being fastened to the top of it by wood screws, nor does guiding constitute the whole office of these springs. They constantly press the blind downward and prevent
95 its rattling, even in the most severe storms, and they constitute the stop motion also of the blind in conjunction with the stands G, F, and J, by coming in contact
100 with that portion of the rod seen at P, to stop them when closed, and by coming in contact with that portion seen at Q when open as will be seen at Fig. 1.

I construct a self operating lock as follows: A metal hook bolt seen at R, with its
100 catch U, and projection, V, and catch plate T. This plate is cut into and screwed to the inner edge of one blind, and the hook bolt R is placed in a mortise corresponding
105 with the catch plate T, and is held therein by the pin S, so that it will turn thereon freely, in order that the bevel X of the hook R will come in contact with the lower portion of the slot W formed in the plate T,
110

when the blind is being closed, and by the closing of which the hook bolt R, will be raised gradually until both the blinds are shut together, when the bolt R will drop
5 down and bring its hook U, to catch on the lower portion of the slot W in the plate T, which will both, firmly hold the blinds together and prevent them being opened from the outside. A pin seen at V is formed on
10 the bolt R, which projects inward, and by which the catch bolt R, is raised and the blind liberated so they may be opened.

Window blinds attached to buildings with my fixtures substantially as within de-
15 scribed, can easily be opened much or little as may be desired and securely remain in such position, without being slammed or jarred by wind or storm, and in all posi-

tions there is no liability of their settling or sagging which will be readily seen. 20

The act of shutting the blinds locks them firmly together by the self acting lock within described, and this lock can be unlocked by seizing the pin V by the fingers and raising it and the bolt R, to which it is con- 25 nected, which will be readily seen.

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

The application of a stand clasp ing the rail; in combination with the spring and 30 guide rod in the manner and for the purpose herein set forth.

ASAHEL G. BACHELDER.

Witnesses:

E. W. SCOTT,

H. E. PEARSON.