L. C. Wing,

Shutter Worker.

No. 61,497. Patented Jan. 22, 1867.

Fig: 1.

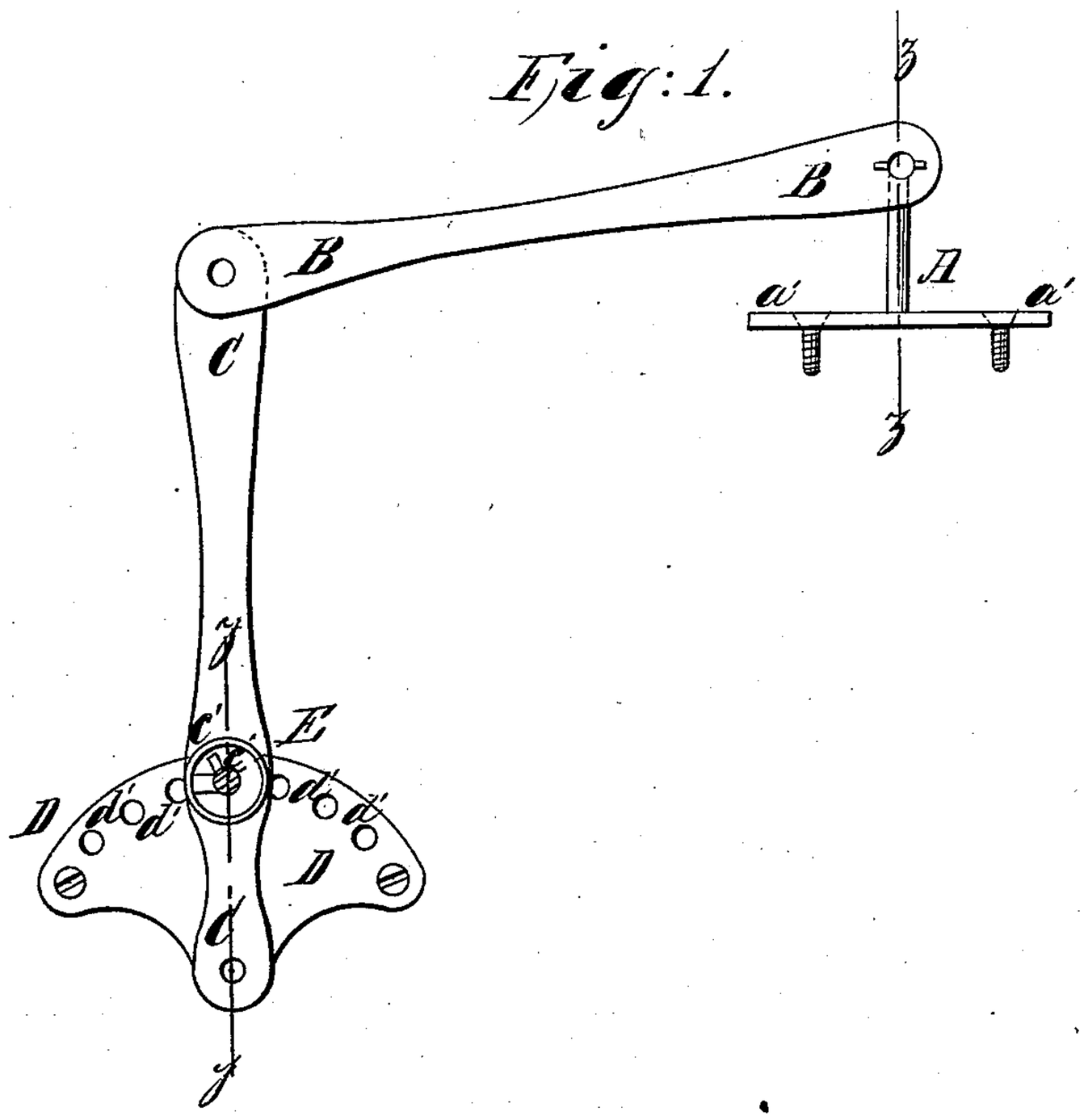


Fig: 2.

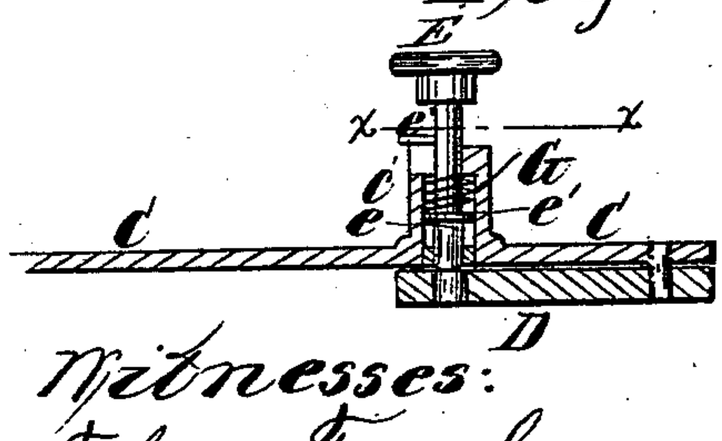
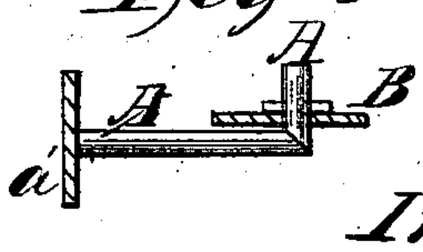


Fig: 3.



Witnesses:
Theo Tusch
J. A. Service.

Inventors:
L C Wing
H R Bowen
Per Munn & Co
attorneys

United States Patent Office.

L. C. WING, OF CONCORD, MASSACHUSETTS, AND A. R. BRADEEN, OF WATERBORO, MAINE.

Letters Patent No. 61,497, *dated January* 22, 1867.

IMPROVED WINDOW FASTENER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, L. C. WING, of Concord, in the county of Middlesex, and State of Massachusetts, and A. R. BRADEEN, of Waterboro, in the county of York, and State of Maine, have invented a new and useful improvement in Window-Blind Fastener; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a top or plan view of our improved window-blind fastener partly in section through the line *x x*, fig. 2.

Figure 2 is a detail sectional view of the same taken through the line *y y*, fig. 1.

Figure 3 is a detail sectional view of the same taken through the line *z z*, fig. 1.

Similar letters of reference indicate like parts.

Our invention has for its object to furnish an improved means by which window blinds may be held and locked, both when closed and when opened to any desired angle. And it consists of an improved window-blind fastener, formed by the combination of a short arm by which it is attached to the blind, a pivoted plate by which it is attached to the window-sill, two short connecting-rods and a spring-bolt, with each other, as hereinafter more fully described.

A is a short arm, one end of which is securely attached to the blind, about three inches from the hinge. This attachment may be made by securing the end of the arm A to a plate, *a'*, and screwing the said plate fast to the blind, or in any other secure, convenient, and substantial manner. The free end of the arm A is bent up and has a pivoting-pin formed upon or attached to it, to which the end of the bar or rod B is pivoted, as shown in figs. 1 and 3. The other end of the bar or rod B is pivoted to the end of the rod or bar C, the other end of which is pivoted to the plate D, as shown in figs. 1 and 2. The plate D is securely attached to the sill or casing of the window, and is perforated with a number of holes, *d'*, for the reception of the spring-bolt E. The holes *d'* are arranged in the arc of a circle, having its centre at the point at which the end of the bar C is pivoted to the plate D, so that to whatever position the bar C may be moved, the bolt E will always enter one or the other of said holes *d'*, and hold the blind securely locked. *c'* is a projection formed upon or securely attached to the bar or rod C. This projection is perforated for the passage of the bolt E, and its interior is chambered for the reception of the spring G. Upon the bolt E is formed a ring or flange, e^1, upon which rests the lower end of the coiled spring G, the upper end of which presses against the shoulder formed by the upper end of the chamber of the projection *c'*. e^2 is a pin, projecting from the side of the upper part of the bolt E, as shown in figs. 1 and 2. When the lower end of the bolt E enters one of the holes in the plate D, the pin e^2 enters a notch formed in one side of the upper end of the projection *c'*. To unfasten or unlock the blind, the bolt E is raised, compressing the spring G, and lifting the pin out of the said notch in the upper part of the projection *c'*. Then by turning the bolt E slightly in either direction, the said pin e^2 will rest upon the end of said projection, and hold the said bolt away from the plate C, allowing the blind to be moved freely into any desired position.

Having thus described our invention, we claim as new, and desire to secure by Letters Patent—

An improved window-blind fastener formed by the combination of the arm A, bars B and C, perforated plate D, and spring-bolt E, with each other, substantially as herein shown and described and for the purpose set forth.

The above specification of our invention signed by us this 18th day of September, 1866.

L. C. WING,
A. R. BRADEEN.

Witnesses:
WM. F. MCNAMARA,
JAMES T. GRAHAM.