

J. W. Custer.

Bolt for Shutters.

N^o 86,282.

Patented Jan. 26, 1869.

Fig. 1.

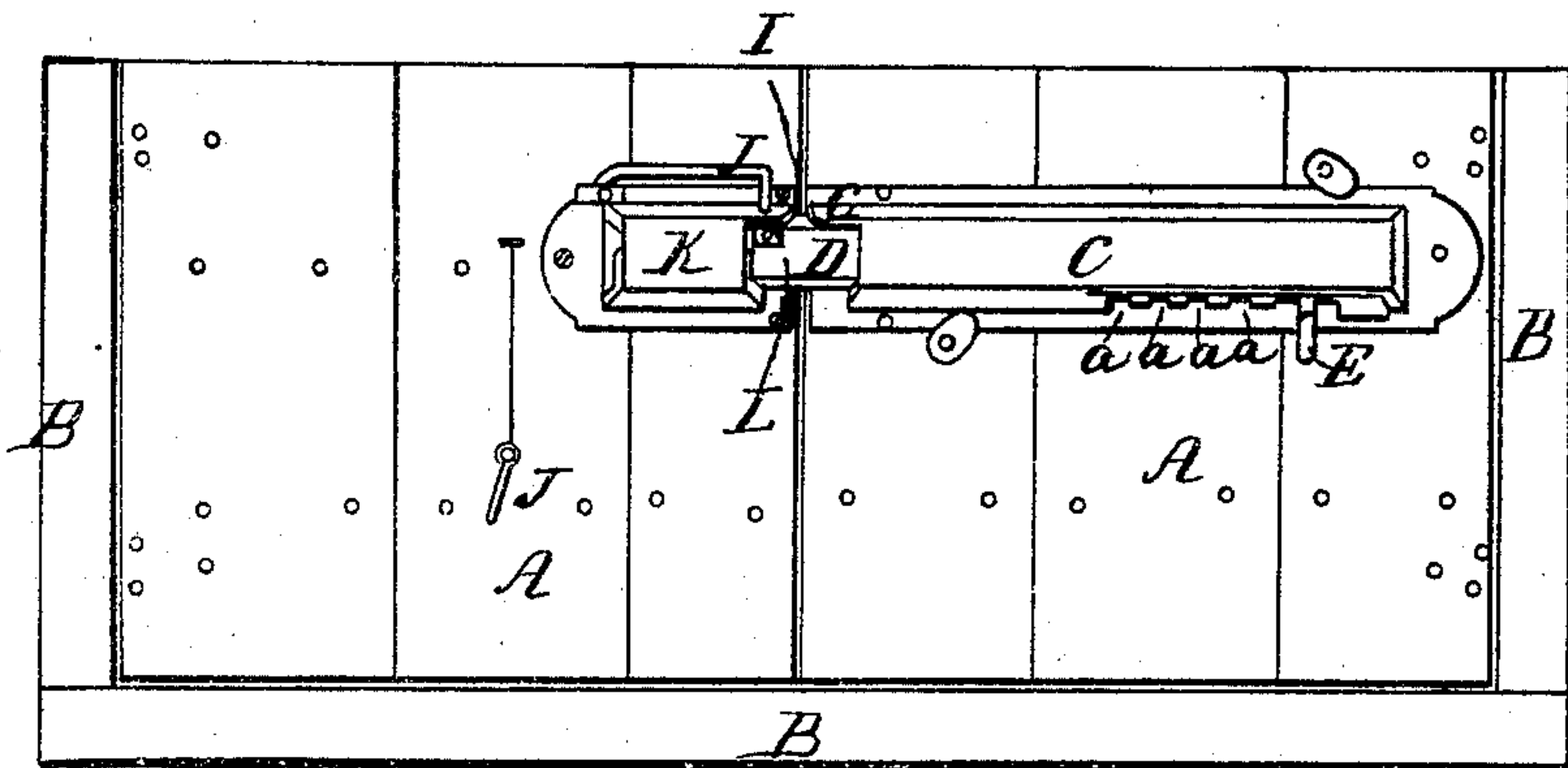


Fig. 2.

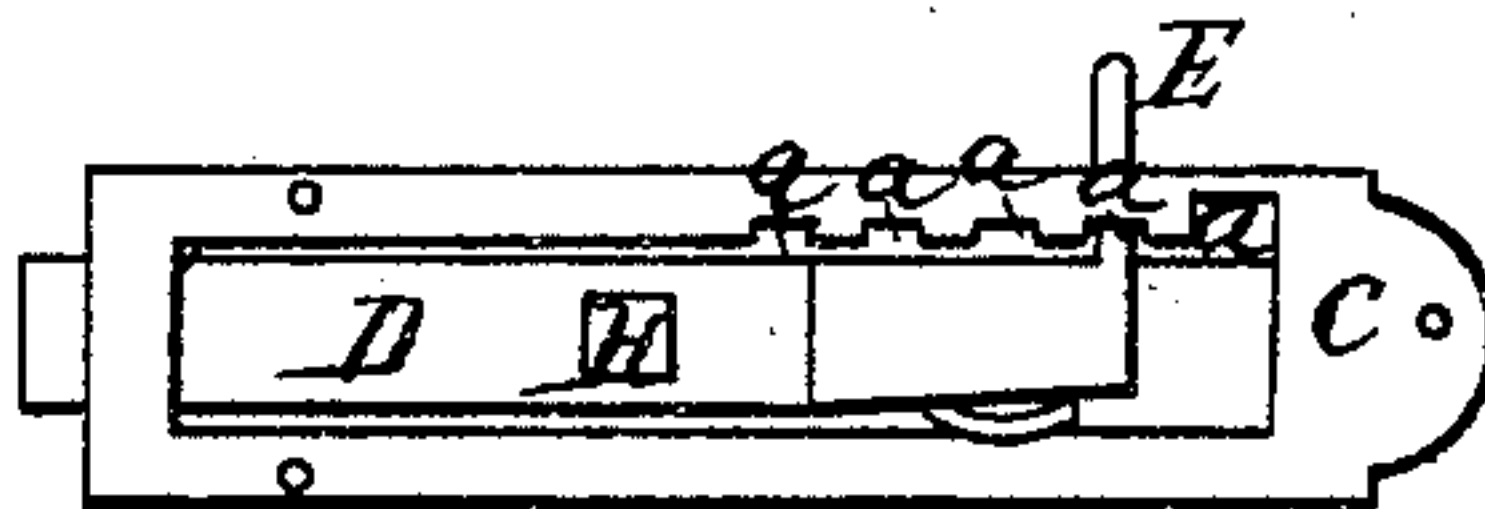
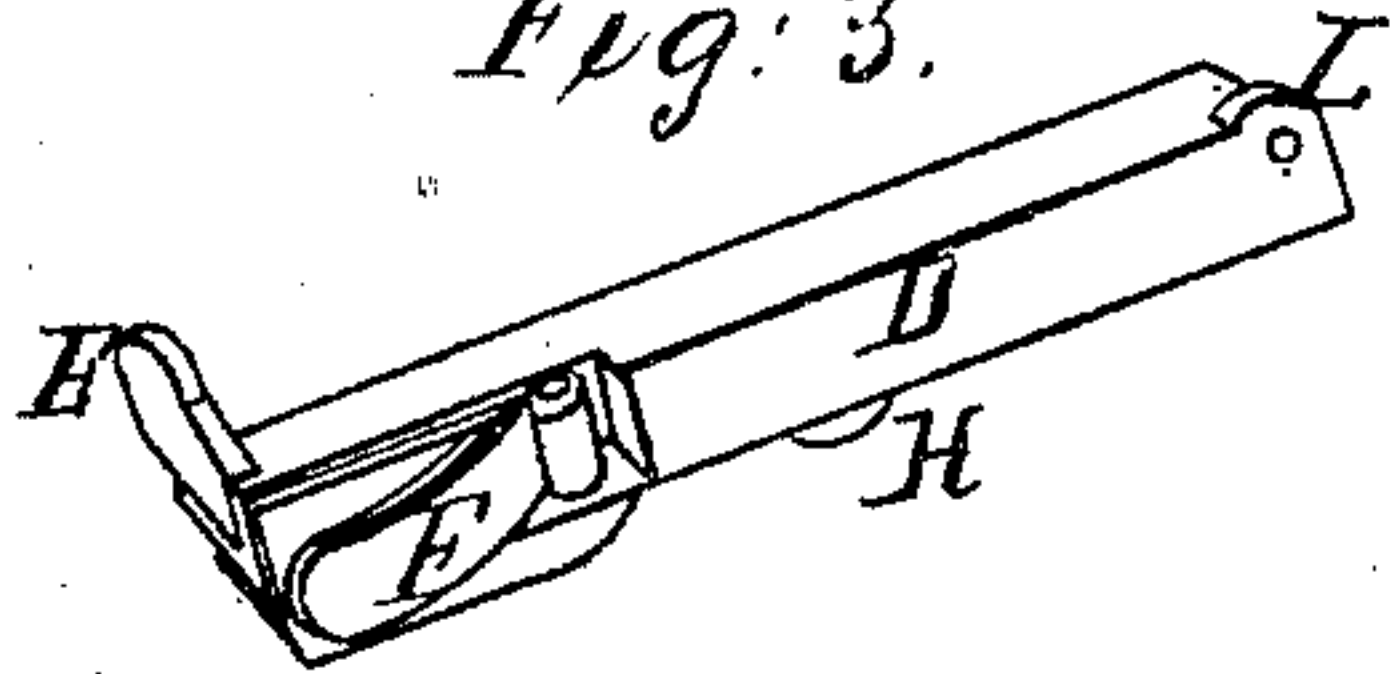


Fig. 3.



Witnesses;

*Harry King.
Leopold Overh*

*Inventor;
J. Warren Custer
per Alexander Massey
Atty*

United States Patent Office.

J. WARREN CUSTER, OF LIMERICK STATION, ASSIGNOR TO HIMSELF AND HENRY C. MARCH, OF LAWRENCEVILLE, PENNSYLVANIA.

Letters Patent No. 86,282, dated January 26, 1869.

IMPROVEMENT IN BOLTS FOR SHUTTERS.

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

To all whom it may concern:

Be it known that I, J. WARREN CUSTER, of Limerick Station, in the county of Montgomery, and in the State of Pennsylvania, have invented certain new and useful Improvements in Bolts for Shutters; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the arrangement of a shutter-bolt, which is so constructed that the shutters may be secured at any angle desired, or, as commonly called, bowed; also, the bolt is so enclosed that it cannot, if it should become rusty, stain the shutters.

In order to enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is a side elevation of a pair of shutters with my bolt attached;

Figure 2, an inside view of the bolt-casing; and

Figure 3 is a perspective view of the bolt.

A A represent two shutters, hinged to the casing B.

On one of these shutters is secured a box or casing, C, in which the bolt D is placed.

A part of the lower side of the casing C is slotted, as seen in fig. 1, and that part of the casing below said slot, and which part is on the shutter, is provided with a series of notches, *a a*, in which notches a small lug, *e*, on the lower side of the inner end of the bolt, fits.

The bolt D is provided, at its inner end, with a handle or knob, E, which projects below the casing C, through the slot mentioned, and on its upper side is a spring, F, which presses the bolt down, so that the lug *e* will come into the notches *a a*, and lock the bolt.

This spring is placed on a pin on the bolt D, as seen in fig. 3.

The outer end of the casing C is provided with a lip, G, which extends over the end of the bolt, and comes flush with the outer edge of the shutter.

By the arrangement of the casing C in such manner as above described, it will be seen that the bolt is at all times protected, and cannot get rusty, and thereby stain the shutter. But should it, nevertheless, happen to get rusty, then a projection, H, on the inner side of the bolt, keeps it away from the shutter.

On the other shutter is a receiving-chamber, K, open at both ends, and provided, at the outer end, with a lip, I, similar to the one on the casing C.

As an additional lock to the shutter, I provide a pin, J, which is inserted through a hole in the lip I, and into a hole in the front end of the bolt D, which, for this purpose, is formed with a projection, L, on the end. When the bolt is drawn back, the projection L enters into a groove made for that purpose on the inner side of the casing.

If it is desired to open the shutters partly only, then place the bolt so that it projects a suitable distance from the casing C, then allow the front end of the bolt to enter the chamber K, and place the pin J in the holes provided for it, and the shutters will be held stationary at that point.

The pin J may be either in the shape of a hook, or attached by a cord to the shutter, both of which modes are shown in fig. 1, or may be in any other form desired.

Having thus fully described my invention,

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

The arrangement of the bolt D, its knob E, lug *e*, and projections H and L, and spring F, within the case C, having notches *a a*, in combination with the flanged cap K, and pin J, all constructed and operating substantially as herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 17th day of September, 1868.

J. WARREN CUSTER.

Witnesses:

ENOS SHANTZ,
W. C. HITNER.