

L. Brumbach.

Door Latch.

N^o 87,907.

FIG. 1. Patented Mar. 16, 1869.

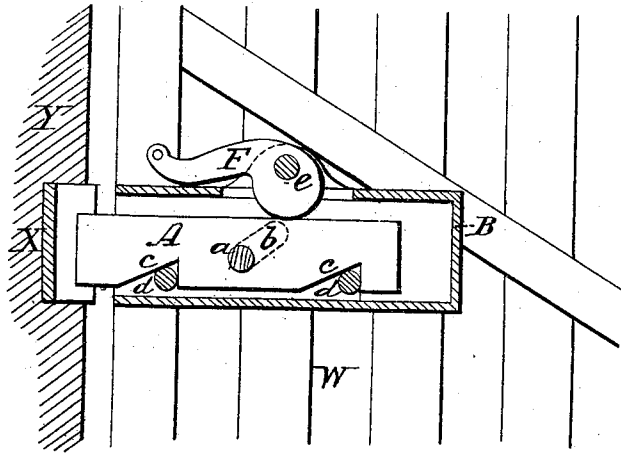


FIG. 2.

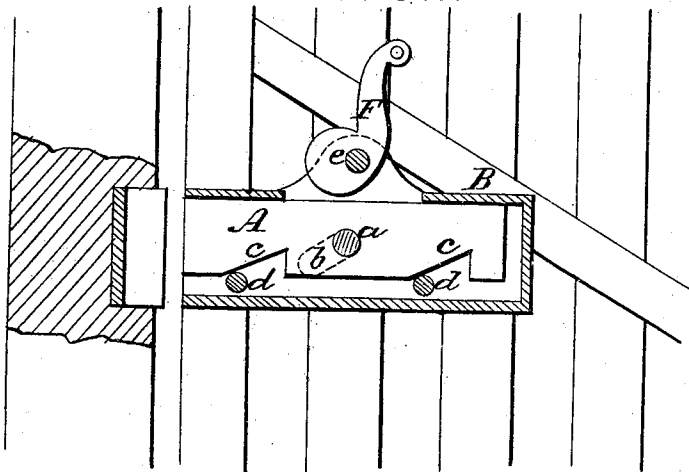
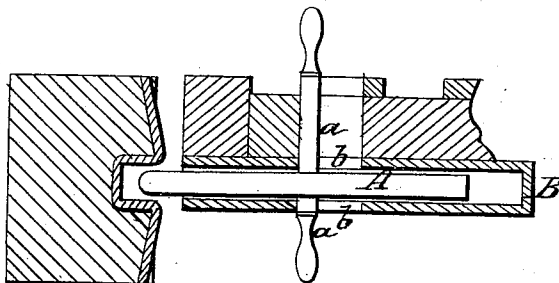


FIG. 3.



Witnesses.

*Wm. Steel.
Jno. B. Harding.*

*Inventor
L. Brumbach.
By his Atty
H. Hovison*

United States Patent Office.

LOUIS BRUMBACH, OF READING, PENNSYLVANIA.

Letters Patent No. 87,907, dated March 16, 1869.

IMPROVEMENT IN DOOR AND GATE-LATCHES.

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, LOUIS BRUMBACH, of Reading, Berks county, Pennsylvania, have invented an Improved Fastener for Doors and Gates; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention consists of a cheap and simple fastener, constructed in the peculiar manner fully described hereafter, for attachment to doors, gates, &c.

In order to enable others skilled in the art to make and apply my invention, I will now proceed to describe its construction and operation, reference being had to the accompanying drawing, which forms a part of this specification, and in which—

Figure 1 is a longitudinal section of my improved fastener for gates and doors;

Figure 2, the same, with the parts in a different position; and

Figure 3, a sectional plan view.

Similar letters refer to similar parts throughout the several views.

The bolt A of the fastener is arranged to slide within a metal case, B, which is secured to a door or gate, W, by screws, or other fastenings, the outer end of the bolt being adapted to a keeper, X, in the post or frame Y.

From each side of the said bolt projects a rod, a, through a diagonal slot, b, in the side of the case, so that when the bolt is drawn back, by means of the said rod, it is at the same time diagonally raised to the top of the case, as shown in fig. 2.

On the under side of the bolt are two notches, having edges, c c, inclined at an angle corresponding with that of the diagonal slots of the case, these edges resting upon pins d d, in the case, which serve as guides to maintain the bolt in a horizontal position.

A cam-lever, F, is arranged to turn upon a pin, e, which is secured to projections on the upper portion of the case, the cam of the said lever, when the latter is depressed, as seen in fig. 1, passing through an opening formed in the top of the case, and bearing upon the upper edge of the bolt, effectually preventing the latter from being raised, and consequently from being drawn back.

By means of this simple arrangement, the bolt, when moved forward and lowered in its case, can be readily locked, while, after turning the cam-lever back to the position shown in fig. 2, the bolt is at liberty to be moved back.

In order to add to the simplicity of the fastener, I have in the present instance so arranged the screws which secure the fastener to the gate or door, that they shall act as the guiding-pins d d.

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

1. A metal case, containing a bolt, A, which bears and slides diagonally on pins, or lugs, without changing its horizontal position, all substantially as and for the purpose described.

2. The bolt A, having rods, or pins a, and notches c, with inclined edges, in combination with the pins d d of the case, and the inclined slots b of the latter, all being constructed and arranged substantially as specified.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

LOUIS BRUMBACH.

Witnesses:

W. M. RIGHTMYER,
WASHINGTON RICHARDS.