

T. & W. L. Reese,

Bolt.

No. 91,043.

Patented June 8, 1869.

Fig. 1

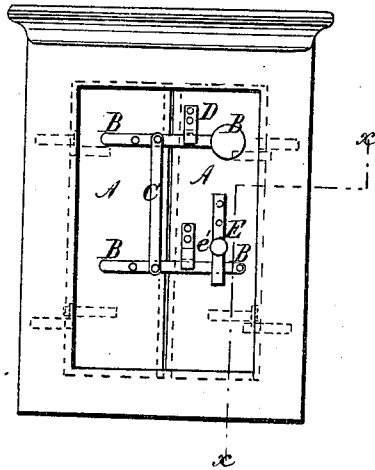
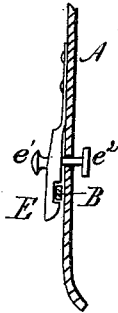


Fig. 2



Witnesses
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THOMAS REESE AND WILLIAM L. REESE, OF ST. LOUIS, MISSOURI.

Letters Patent No. 91,043, dated June 8, 1869.

IMPROVED FASTENING FOR FIRE-PROOF 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 we, THOMAS REESE and WILLIAM L. REESE, of the city of St. Louis, in the county of St. Louis, and State of Missouri, have invented a new and useful Improvement in Fire-Proof Shutters; 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 part of this specification, in which—

Figure 1 is an inside view of our improved shutters, closed.

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

Similar letters of reference indicate corresponding parts.

Our invention has for its object to improve the construction of fire-proof shutters, in such a way, that they may be unfastened and opened conveniently from the outside, to enable the firemen to obtain ready access to the interior of the building, so that the water may be applied directly to the fire, before it has attained too much headway to be readily extinguished; and

It consists in the construction of the shutters and their fastenings, as hereinafter more fully described.

A are the iron shutters, to one of which are pivoted one or more iron bars, B.

When more than one bar B is used, they should be connected to each other by a rod, bar, or link, C, so that they may all move together.

To the other shutter are attached one or more inverted lugs, D, to receive the bars B, as they are raised.

E is a spring-catch, attached to the same shutter, with the lugs D, which, as the bar or bars B are raised, is forced out, to allow the said bar to pass above the shoulder, or head of the catch, so that the said catch may hold the bar or bars securely in place.

To the spring-catch E is attached a knob, *e*¹, so that the said catch may be drawn out, allowing the bar or bars D to drop by their own weight, unfastening the shutters.

From the spring-catch E, a small stem passes out through the shutter, and to its projecting end is attached a small plate, *e*, of such a size, that the stream of water from the engine may force it inward, pushing the spring-catch E back from the shutter, unfastening the shutters.

The lower edges of the shutters A are bent outward, or have an inclined flange formed upon them, so as to form an angular space between said shutters and the window-sill, into which the stream of water from the engine may be guided, to force the shutters open at once.

By this construction, the shutters may be unfastened and opened by the stream of water from the engine, so that no time may be lost in opening the shutters, enabling the firemen to get the water upon the fire at once, so that it may be subdued before getting too much headway to enable it to be easily controlled.

Having thus described our invention,

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

1. The combination of the pivoted bars D, spring-catch E, and plate *e*², with each other, and with the shutters A, substantially as herein shown and described, and for the purpose set forth.

2. Connecting the bars B, when more than one is used, with a bar, or link, C, so that the said bars may all move together, substantially as herein shown and described.

THOMAS REESE.
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Witnesses:

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