

(No Model.)

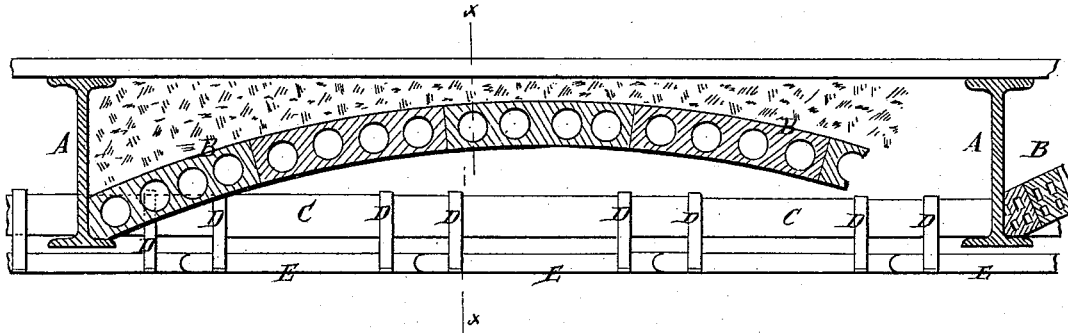
L. LAFOND.

FIRE PROOF HANGING CEILING.

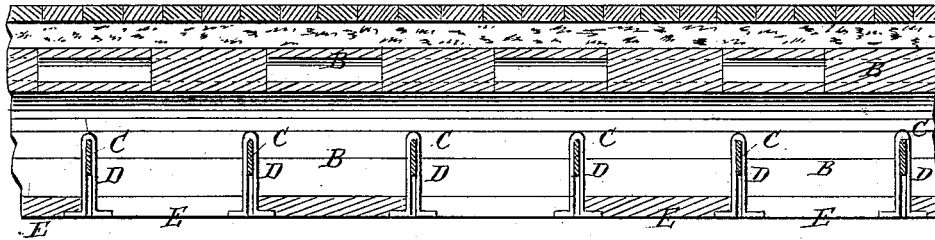
No. 303,438.

Patented Aug. 12, 1884.

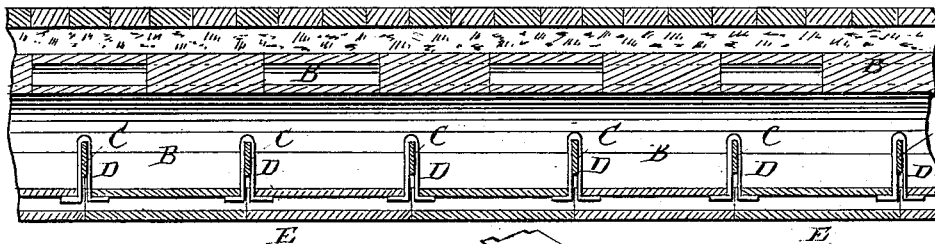
*Fig: 1.*



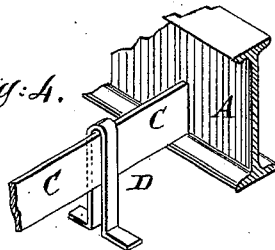
*Fig: 2.*



*Fig: 3.*



*Fig: 4.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

LOUIS LAFOND, OF NEW YORK, N. Y.

## FIRE-PROOF HANGING CEILING.

SPECIFICATION forming part of Letters Patent No. 303,438, dated August 12, 1884.

Application filed April 24, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, LOUIS LAFOND, of the city, county, and State of New York, have invented a new and useful Improvement in Fire-  
5 Proof Hanging Ceilings, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate  
10 corresponding parts in all the figures.

Figure 1 is a sectional side elevation of my improvement, illustrating its use. Fig. 2 is a sectional elevation of the same, taken through the line *x x*, Fig. 1. Fig. 3 is the same view  
15 as Fig. 2, but showing the improvement applied to perforated ceiling-tiles. Fig. 4 is a perspective view of a part of the improvement, the tiles being omitted.

The object of this invention is to obtain  
20 greater security in supporting ceiling-tiles.

The invention consists in a fire-proof hanging ceiling constructed with iron bars placed edgewise upon the flanges of the iron girders, and carrying the iron hangers that support  
25 the ceiling-tiles, whereby the said hangers and ceiling-tiles will be firmly supported, as will be hereinafter fully described.

A represents the iron girders, the flanges of which support the arch B, made of tiles, concrete, or other suitable material.  
30

C are iron bars placed edgewise, and the ends of which rest upon the flanges of the girders A, and are built into the arch B. Upon the bars C are placed hangers D, which are made of light iron bars or plates bent into U  
35 shape, and having the ends of their arms bent outward or from each other at right angles, as shown in Figs. 2 and 3, to support the ceiling-tiles E. The ceiling-tiles E may be made solid, as shown in Figs. 1 and 2, in which case the  
40 said tiles rest upon the flanges of the hangers D; or the ceiling-tiles E may be hollow or perforated, as shown in Fig. 3, in which case the flanges of the hangers D are placed in the perforations of adjacent tiles E, so as to leave  
45 the lower surface of the said tiles smooth.

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

In a fire-proof hanging ceiling, the combination, with the iron girders A and the iron  
50 hangers D, of the iron bars C, substantially as herein shown and described, whereby the said hangers and the ceiling-tiles are firmly supported, as set forth.

LOUIS LAFOND.

Witnesses:

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