

(No Model.)

J. J. SCHILLINGER.

FIRE PROOF BUILDING.

No. 262,484.

Patented Aug. 8, 1882.

Fig. 1.

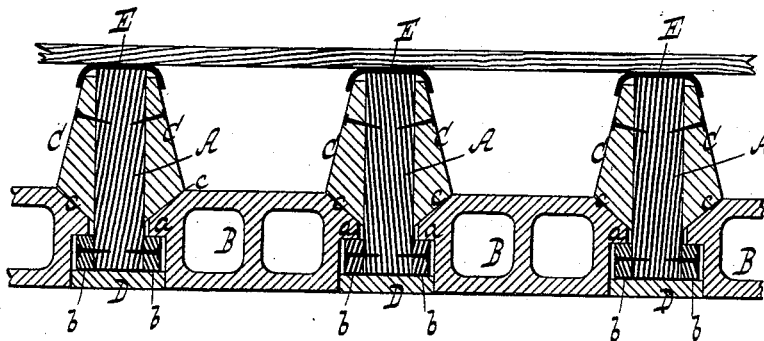
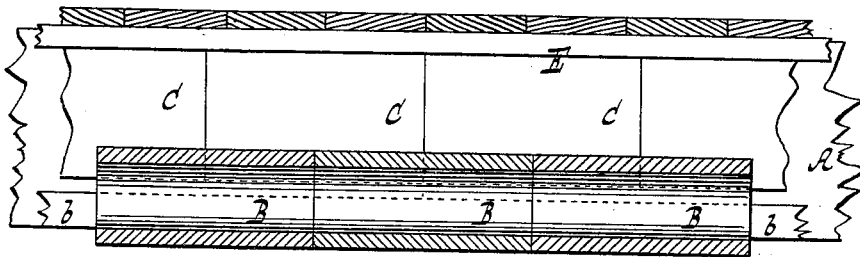


Fig. 2.



WITNESSES:

Chas. Wablers.
William Miller

INVENTOR

John J. Schillinger

BY *Van Gasterwood & Hauff*

ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN J. SCHILLINGER, OF NEW YORK, N. Y.

FIRE-PROOF BUILDING.

SPECIFICATION forming part of Letters Patent No. 262,484, dated August 8, 1882.

Application filed March 23, 1882. (No model.)

To all whom it may concern :

Be it known that I, JOHN J. SCHILLINGER, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Fire-Proof Buildings, of which the following is a specification.

This invention consists in the combination, with the wooden floor-beams in a building, of hollow bricks fitting between two adjacent beams, shoulders formed on the opposite sides of said bricks, cleats secured to the beams and engaging with said shoulders, inclines formed on the upper surfaces of the bricks, wedge-shaped protecting-tiles which fit the inclines of the bricks and are fastened to the sides of the beams, and filling-pieces fastened to the bottom edges of the beams. On the upper edges of the beams are secured metallic caps, which overlap the upper ends of the protecting tiles and assist in retaining them in position.

In the accompanying drawings, Figure 1 represents a transverse vertical section. Fig. 2 is a longitudinal vertical section.

Similar letters indicate corresponding parts. In the drawings, the letters A A designate the wooden floor-beams in a building, and B B are hollow bricks, which fit between the adjacent floor-beams. These bricks are provided with shoulders *a a*, which rest upon cleats *b b*, secured to the floor-beams. On the upper surfaces of the bricks B B are formed inclines *c c*, and on these inclines rest wedge-shaped tiles C, the lower edges of which are inclined to correspond to the inclines *c c* of the bricks, while their narrow upper edges extend up nearly to a level with the upper edges of the beams. Suitable tacks or nails may be used to fasten the wedge-shaped tiles near their upper ends to the beams, their lower ends being retained in position by the inclines *c c* of the bricks. The bottom edges of the beams are protected by filling-pieces D, the under surfaces of which are in the same plane with the under flat surfaces of the bricks B, so that a flat surface is

obtained for the ceiling. To the top of each beam is secured a metallic cap, E, which overlaps the upper edges of wedge-shaped tiles C and assists in retaining the same in position, and which at the same time forms a protection for the beams from above. By this arrangement the wooden floor-beams in a building are protected from all sides against fire, the danger of a conflagration is materially reduced, and, furthermore, the object of protecting the beams is attained in such a manner that the weight brought to bear upon the floor-beams is comparatively light.

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

1. The combination, substantially as hereinbefore described, with the wooden floor-beams in a building, of hollow bricks fitting between two adjacent beams, shoulders formed on the opposite sides of said bricks, cleats secured to the beams and engaging with said shoulders, inclines formed on the upper surfaces of the bricks, wedge-shaped protecting-tiles which fit the inclines of the bricks and are fastened to the sides of the beams, and filling-pieces fastened to the bottom edges of the beams.

2. The combination, substantially as hereinbefore described, with the wooden floor-beams in a building, of hollow bricks fitting between the adjacent beams, shoulders formed on the opposite sides of said bricks, cleats secured to the beams and engaging with said shoulders, inclines formed on the upper surfaces of the bricks, wedge-shaped protecting-tiles which fit the inclines of the bricks, filling-pieces fastened to the bottom edges of the beams, and caps fastened to the top edges of the beams and overlapping the upper edges of the protecting-tiles.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

JOHN J. SCHILLINGER. [L. s.]

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.