(No Model.)

P. G. HUBERT.

FIRE PROOF BUILDING.

No. 262,415. Patented Aug. 8, 1882.

Fig. 1.

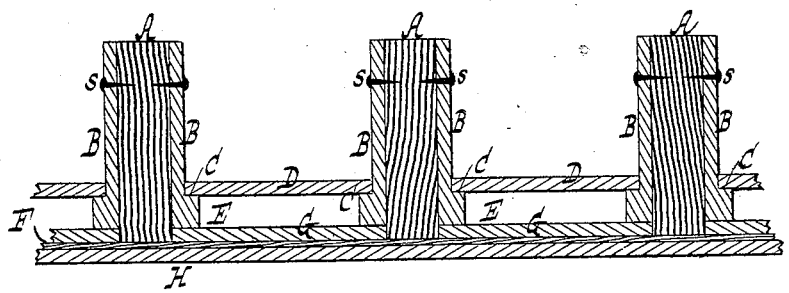
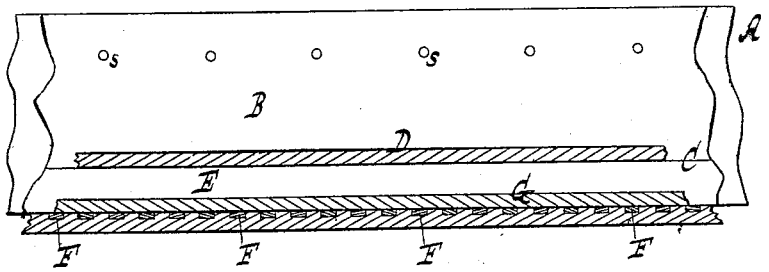


Fig. 2.



WITNESSES:

Chas. Wahlers.

William Miller

INVENTOR

Philip G. Hubert

BY Van Santvoord & Hauff

ATTORNEY

UNITED STATES PATENT OFFICE.

PHILIP G. HUBERT, OF NEW YORK, N. Y.

FIRE-PROOF BUILDING.

SPECIFICATION forming part of Letters Patent No. 262,415, dated August 8, 1882.

Application filed April 18, 1882. (No model.)

To all whom it may concern:

Be it known that I, PHILIP G. HUBERT, 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 relates to the construction of the floors and ceilings of buildings with a view to rendering the same fire-proof; and it consists in the combination, with the floor-beams, and with ceiling laths fastened to the lower edges of the beams, of a sheathing-layer formed of a fire-proof composition above or upon the laths, between the beams, and a similar layer below the laths, so that the laths are covered or protected both from an upper and a lower direction, and a fire-proof ceiling is obtained.

This invention is illustrated in the accompanying drawings, in which—

Figure 1 represents a vertical cross-section. Fig. 2 is a vertical longitudinal section.

Similar letters indicate corresponding parts.

The letter A designates the wooden floor-beams of a building, having their sides protected by sheathing-tiles B, which are fastened to the beams, as by means of nails *s*.

The letter C indicates the shoulders or offsets of the tiles, one to each tile, and D the supplementary tiles resting on the shoulders, the latter being situated near the lower edges of the tiles and being level with each other, thus bringing the supplementary tiles into horizontal positions. The supplementary tiles D are approximately flat, and by their means air-spaces are produced—namely, between such tiles and the ceiling located next below the beams.

The letter F designates the laths, and G H the two lath-sheathing layers of the ceiling. The laths are fastened to the lower edges of the beams A in the usual manner, and the layers G H are situated above and below the laths, respectively, both layers being formed of a fire-proof composition and the upper layer being between the beams, in sections, while the lower layer is continuous. In this example the upper lath-sheathing layer, G, abuts against the beams and the sheathing-tiles B terminate above the lower edges of the beams; but the sheathing-tiles can also be made of equal height to the beams, in which case said upper sheathing-layer abuts against the tiles.

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

The combination, substantially as hereinbefore set forth, with the wooden floor-beams of a building, and with ceiling-laths fastened to the lower edges of the beams, of the sheathing-layer formed of a fire-proof composition, above the laths, between the beams, and the corresponding layer below the laths, for the purpose specified.

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

P. G. HUBERT. [L. S.]

Witnesses:

E. D. JENNING,

F. H. CHAPIN.