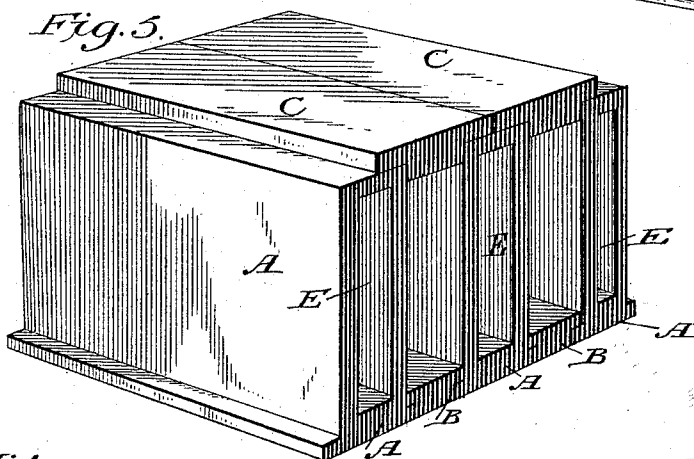
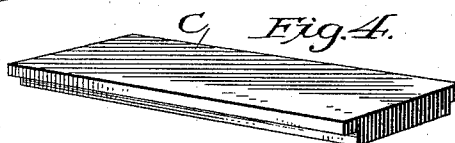
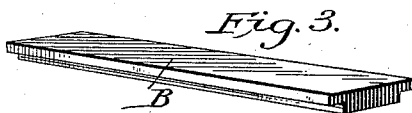
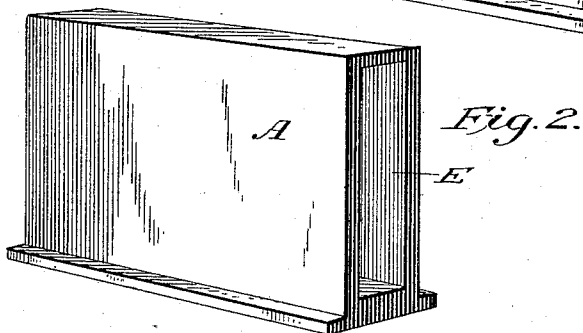
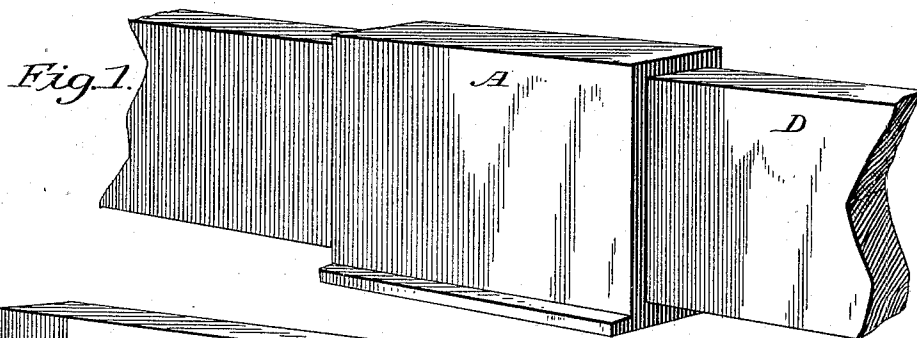


(No Model.)

C. AIKIN.
FIRE PROOF BUILDING.

No. 477,733.

Patented June 28, 1892.



Witnesses:
John Woodhouse
John Larny

Inventor.
Charles Aikin

UNITED STATES PATENT OFFICE.

CHARLES AIKIN, OF EVANSTON, ILLINOIS.

FIRE-PROOF BUILDING.

SPECIFICATION forming part of Letters Patent No. 477,733, dated June 28, 1892.

Application filed August 20, 1891. Serial No. 403,260. (No model.)

To all whom it may concern:

Be it known that I, CHARLES AIKIN, a citizen of the United States, residing at Evanston, in the county of Cook and State of Illinois, have invented new and useful forms for protecting from fire the wooden members of brick or stone buildings, of which the following is a specification.

My invention relates to fire-proof casings or coverings for wooden members of buildings, as shown in the accompanying drawings, in which—

Figure 1 is a perspective view of a floor-joist with one of my sections thereon. Fig. 2 is a like view of the section. Figs. 3 and 4 are similar views of bridging-plates. Fig. 5 shows the manner of union of the sections and plates.

Similar letters refer to similar parts throughout the several views.

A is a covering or casing formed of terra-cotta or other earthen or fire-proof material, slipped over the joist D in sections, as shown in Fig. 1. After all the joists have been covered in this manner the member C of similar material which forms the floor is laid on and between the members A, as shown in Fig. 5. The ceiling is formed by placing in position the member B. (Shown in detail in Fig. 3 and shown in combination with the casings, Fig. 5.) The roof is formed in like manner

to the floor. Preferably the ceiling-pieces B are placed in position in advance of the floor-pieces C E. Fig. 2 shows the passage for the wooden member through the casing A.

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

1. Fire-proof casings or coverings for wooden members of buildings, so formed as to be threaded in series upon such wooden members, and thereby protect them from fire, the casings being formed with shoulders or projections, so as to serve as a support for the ceiling members, all substantially as set forth.

2. The combination, with a fire-proof casing for wooden members of buildings, constructed and arranged thereon as described, of plates C, adapted to rest upon said sections and bridge the space between the said inclosing members, all substantially as set forth.

3. The combination, with the fire-proof casing for wooden members of buildings, arranged thereon as described and provided with shoulders near their lower faces, of plates B, adapted to rest upon said shoulders and bridge the space between, all substantially as set forth.

CHARLES AIKIN.

Witnesses:

E. B. WITWER,
K. F. BRISTOL.