

L. A. TARTIERE.
Fire-Proof Buildings.

No. 143,197.

Patented September 23, 1873.

Fig. 1.

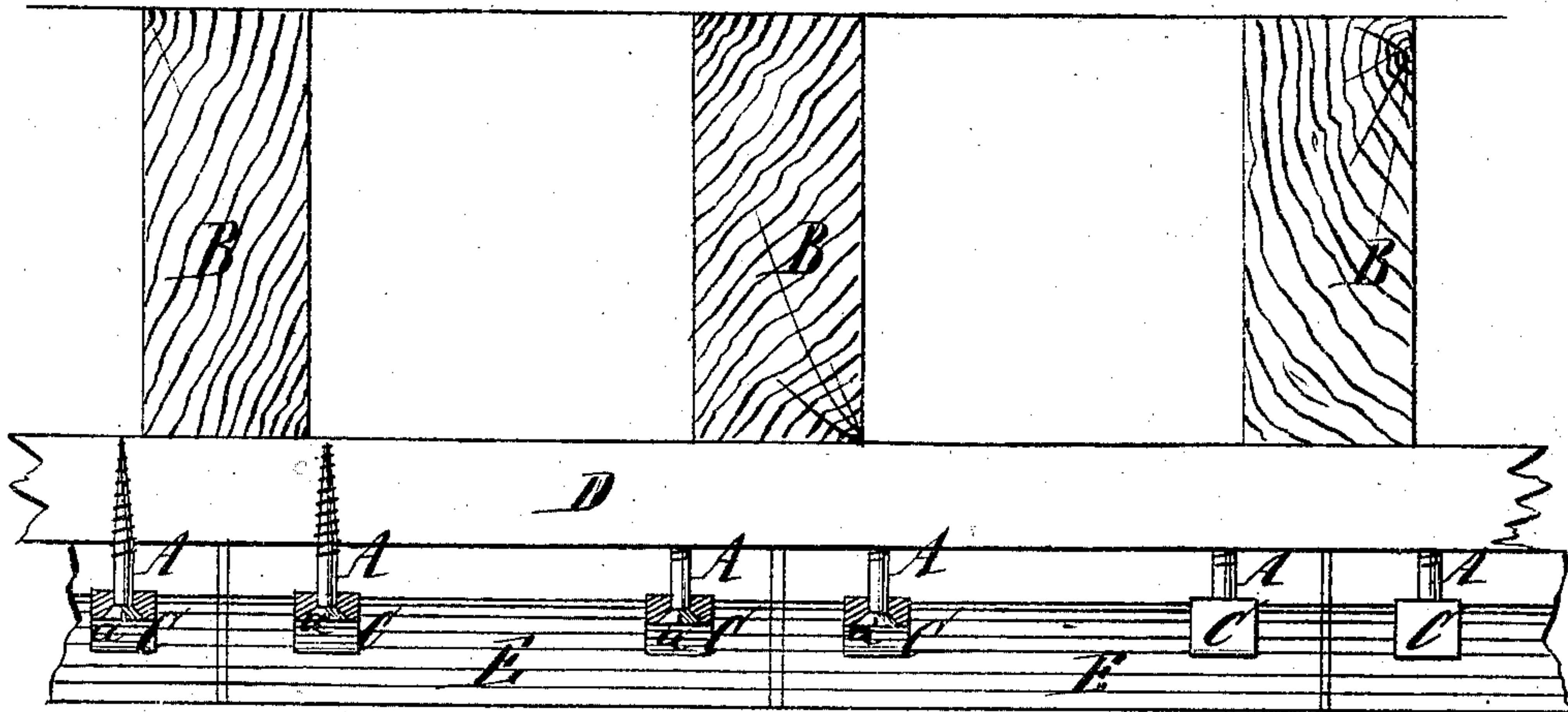


Fig. 2.

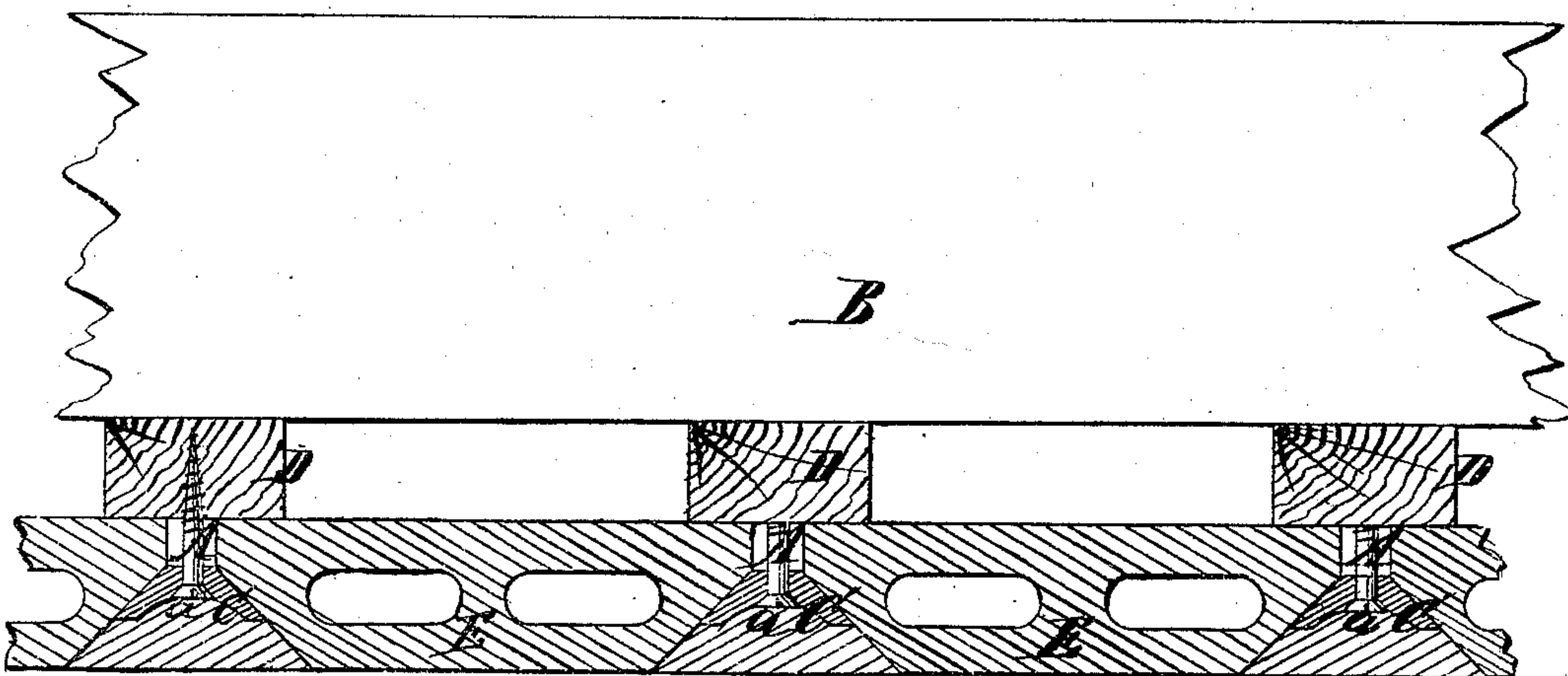
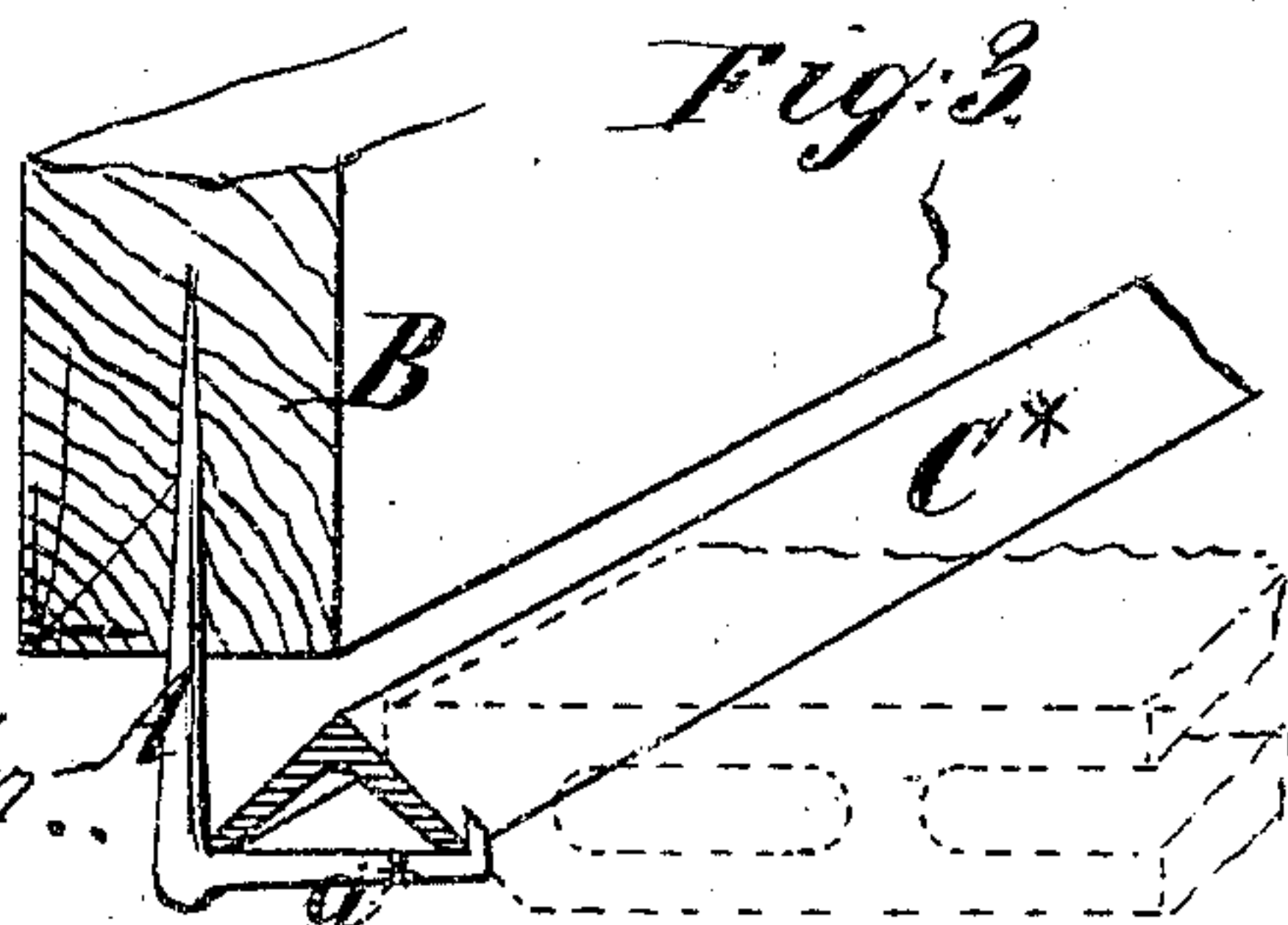


Fig. 3.



Witnesses:
Ernst Bilhuber.
Henry Goodrich.

Inventor.
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per
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UNITED STATES PATENT OFFICE.

LUCIEN A. TARTIÈRE, OF NEW YORK, N. Y.

IMPROVEMENT IN FIRE-PROOF BUILDINGS.

Specification forming part of Letters Patent No. **143,197**, dated September 23, 1873; application filed August 28, 1873.

CASE B.

To all whom it may concern:

Be it known that I, LUCIEN A. TARTIÈRE, of the city, county, and State of New York, have invented a new and useful Improvement in Fire-Proof Buildings; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a section of my invention in a direction transversely to the floor-beams. Fig. 2 is a similar section in a direction parallel to the floor-beams. Fig. 3 is a perspective view of a modification of the same.

Similar letters indicate corresponding parts.

This invention consists in the arrangement of spikes provided with supporting hooks or heads, and intended to be fastened in wooden floor-beams, or in strips nailed to said beams, in combination with angle-shaped brackets or bars, which are supported by said spikes, and which form the abutments for the filling bricks or tiles, in such a manner that the filling bricks or tiles protect the floor-beams effectually against fire, and a ceiling is produced which is fire-proof, cheap, light, and durable.

In the drawing, the letter A designates a spike or screw, which is provided with a head, *a*, and which is fastened either directly in one of the wooden floor-beams B, or in strips D of wood, which are nailed to said floor-beams. Each of the spikes supports a bracket, C, of metal, said brackets being made by preference angle-shaped, as shown, and detached one from the other. If desired, however, an-

gle-shaped bars C* may be employed, each of which is supported by a number of spikes or screws, A. The spikes A, instead of being made with heads *a*, may be constructed with supporting-hooks *a**, (see Fig. 3,) and in this case the bars or brackets C* are simply placed upon the said hooks after the spikes have been secured in position in the floor-beams, or in the timbers attached to said floor-beams. The brackets C or bars C* serve to support the filling bricks or tiles E, which rest loosely thereon, so that they are not liable to be affected by any change in the position of the brackets or bars, and the spaces between the filling bricks or tiles are filled up by cement or other suitable material.

By these means the filling bricks or tiles form a protection for the floor-beams against fire, and the security of the building is materially increased.

My ceiling can be readily put up in any building, and it can be made with any desired finish.

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

The spikes A, provided with supporting hooks or heads, and intended to be fastened in wooden floor-beams B, or in strips nailed to said beams, in combination with bars or brackets C, which support the filling bricks or tiles of a ceiling, substantially in the manner shown and described.

LUCIEN A. TARTIÈRE.

Witnesses:

W. HAUFF,
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