

(No Model.)

P. TOGLIO.

FIRE RESISTING WEATHER BOARDING.

No. 297,730.

Patented Apr. 29, 1884.

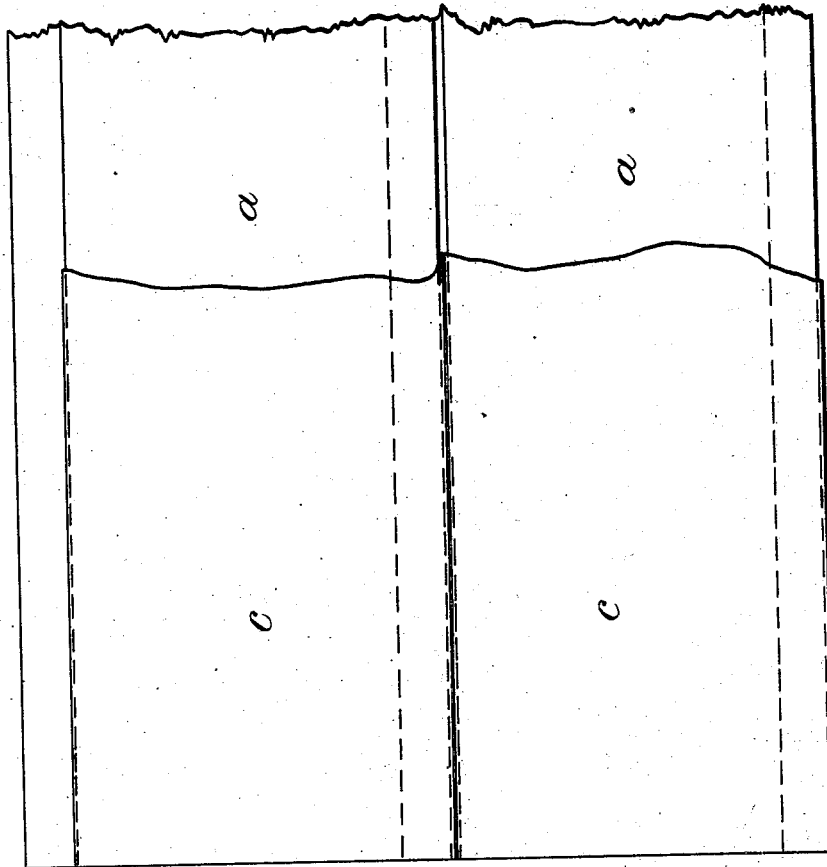


fig. 2

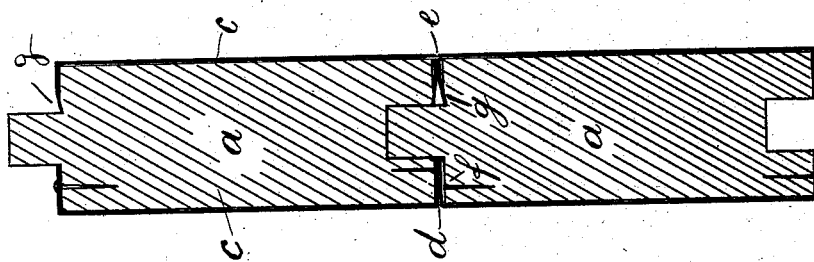


fig. 1.

WITNESSES: *M. Eastwood*
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PETER TOGLIO, OF CHARLESTON, SOUTH CAROLINA.

FIRE-RESISTING WEATHER-BOARDING.

SPECIFICATION forming part of Letters Patent No. 297,730, dated April 29, 1884.

Application filed February 5, 1884. (No model.)

To all whom it may concern.

Be it known that I, PETER TOGLIO, a citizen of the United States, residing at Charleston, in the county of Charleston and State of South Carolina, have invented certain new and useful Improvements in Fire-Resisting Weather-Boarding for Frame Houses; and I hereby declare that the following is a full, clear, and exact description of the same, reference being made to the accompanying drawings, forming a part of this specification, and to the letters and figures of reference marked thereon.

In the drawings annexed, Figure 1 represents a transverse section of two weather-boards embodying my invention and method of applying it. Fig. 2 shows the same boards in elevation.

Similar letters, where used in the different figures, refer to corresponding parts.

I do not restrict myself to this or to any particular form of weather-board, as my invention is equally applicable to weather-boarding of any other shape or form, ornamental as well as plain, and also to the frame-work joining such weather-boarding together.

I am aware that prior to my invention frame houses have been constructed with weather-boards on the outside, and which, from the inflammable nature of the material composing them, were very subject to destruction by fire, and that many attempts have been made to mitigate this evil, and make such weather-boarded houses less liable to destruction from fire, by saturating the weather-boards with solutions of various unflammable substances, and also by coating the exterior with various fire-resisting paints; but in the first case where the wood was saturated with an unflammable solution, the action of the atmosphere and the weather soon deprived the outer portions of the weather-boards of their unflammable qualities, and the same causes often caused the fire-resisting paints to crack, blister, and peel off, leaving the weather-boards unprotected.

I will now proceed to describe my invention with reference to the annexed drawings.

The weather-boards during manufacture, and as a process of the same, are saturated with an unflammable solution—such as sulphate of alumina or the like—and also have their outer surfaces protected by coverings of thin sheet metal *c c*, wherever they may be exposed to the action of the atmosphere when put together. This thin sheet metal is flanged at the edges, as shown at *d* and *e*, and securely fastened to the weather-board, either by nailing it, as shown at *f*, or by pressing the flanged edge of the sheet metal into the weather-board, as shown at *g*. The sheet-metal coverings are attached to the weather-boards before any of the unflammable matter with which the weather-boarding has been saturated has had time to escape or otherwise to lose its efficacy. They may be pressed into any form or shape which the surface of the weather-boarding may take, and may afterward be ornamented by painting, or by any other process, in the same manner as the surface of the weather-boarding itself.

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

1. Fire-resisting weather-boarding for frame houses, consisting of weather-boards saturated with unflammable material and with their surfaces protected by coverings of thin sheet metal, substantially as herein described and shown.

2. In combination with fire-resisting weather-boarding, the coverings of thin sheet metal *c c*, made with flanged edges *d* and *e*, and fastened to the weather-boards, substantially as described and shown, and for the purpose set forth.

PETER TOGLIO.

Witnesses:

WILLIAM FITCH,
HERBERT W. T. JENNER.