(No Model.)

H. ANDERSON.

METALLIC ROOFING.

No. 418,860. Patented Jan. 7, 1890.

Fig. 1.

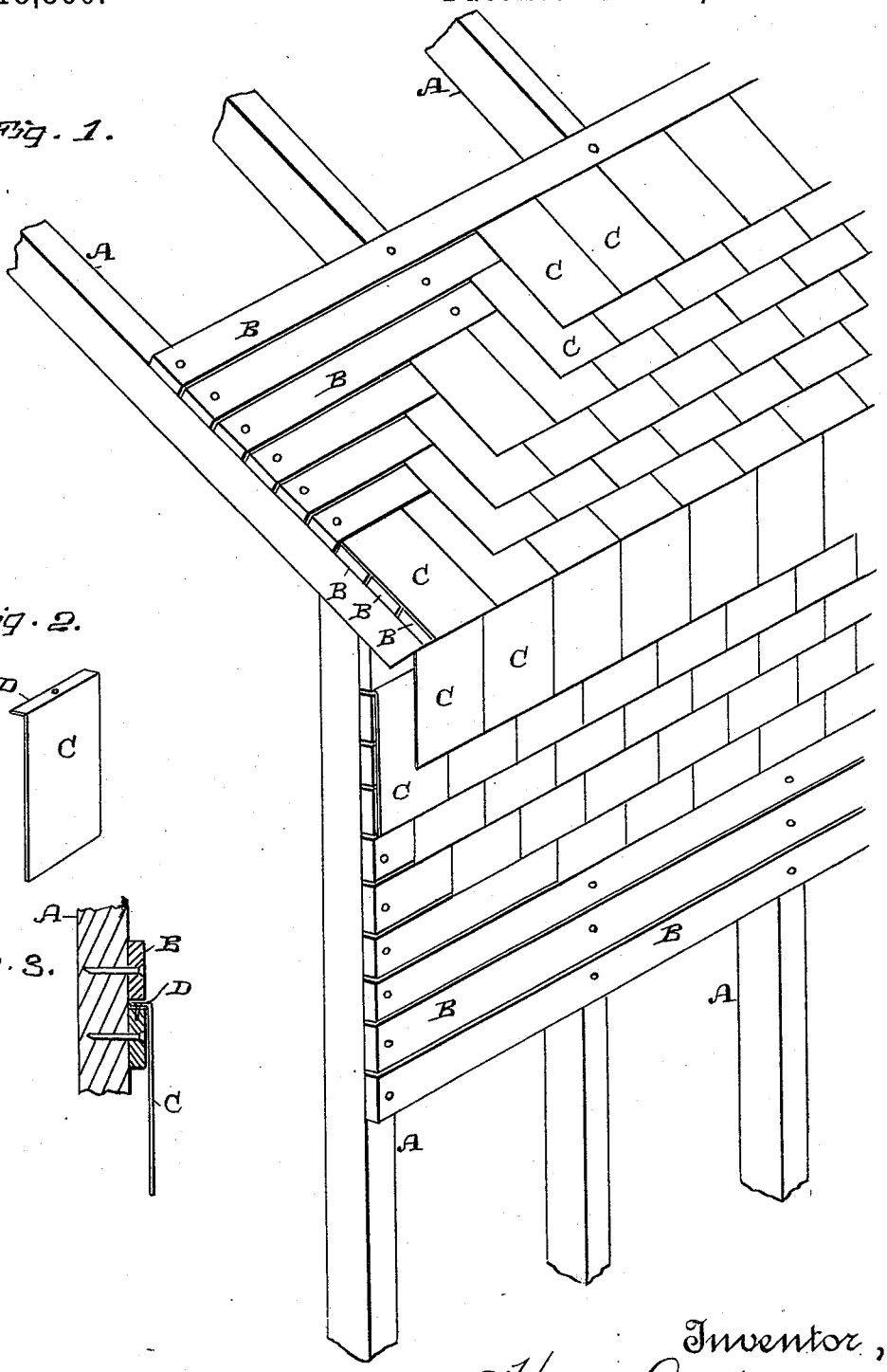

Fig. 2.

Fig. 3.

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UNITED STATES PATENT OFFICE.

HENRY ANDERSON, OF SAN FRANCISCO, CALIFORNIA.

METALLIC ROOFING.

SPECIFICATION forming part of Letters Patent No. 418,860, dated January 7, 1890.

Application filed September 21, 1889. Serial No. 324,678. (No model.)

To all whom it may concern:

Be it known that I, HENRY ANDERSON, a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented an Improvement in Metallic Covering for Roofs and Walls; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to an improvement in covering the roofs and walls of buildings; and it consists of narrow strips which are nailed upon the studding or rafters of the building, and in conjunction with these of a series of overlapping fire-proof metallic plates or shingles, which are placed upon these strips, and are in turn held in place by them.

Referring to the accompanying drawings for a more complete explanation of my invention, Figure 1 is a view showing a portion of the side and roof of the building with a part of my covering applied. Fig. 2 is a separate view of one of the covering-plates. Fig. 3 is a vertical section showing how these plates are applied.

A represents the studding and rafters of a building of any description, and B B are narrow strips, made of any suitable length and thickness, which are nailed upon the studding and rafters as the covering in progresses.

C are the fire-proof covering-plates, having a lip or flange D bent at right angles at one end. These plates may be made of any suitable or convenient size. In the present case I have shown them formed similarly to shingles. In order to apply these plates I first nail on as many of the strips B as may be desired, commencing at the lower edge of the rafters or of the studding, as the case may be. These strips are preferably of a width equal to the amount of exposure which is given to each layer of the plates beneath the next layer above. If it be one-third the length of one of these shingles or plates, then it will be manifest that three of the strips B must first be nailed on before the first course of the plates is laid. These plates are then laid upon the strips B with the flange D overlapping the upper edge of the outer strip B, and they are secured by driving a small nail through the flange D and into the edge of the strip B over which they are bent. This course being completed, I then take another of the strips B and pressing it firmly down against the lips or flanges D of the plates which have already been laid this strip is nailed to the studding, and this serves to hold the first course of plates firmly in place. The next course of plates is then laid with the upper lips or flanges overhanging the strip B which has first been placed, and this gives the amount of exposure of the lower ends of the lower course of plates. This second course of plates is tacked to the strip, as before described, and when the course is completed they are secured by laying another strip, and so on, until the whole of the covering has been completed.

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

1. The improvement in covering for walls and roofs, consisting of the wooden strips placed adjacent to each other and nailed longitudinally upon the studding or rafters, the fire-proof metallic plates having the lips or flanges to project between the longitudinal wooden strips and be secured thereby, substantially as herein described.

2. A covering for walls and roofs of buildings, consisting of the narrow longitudinal wooden strips placed adjacent to each other and nailed upon the studding or rafters, the fire-proof metallic plates having the lips or flanges at the upper end projecting between the wooden strips and attached thereto, said strips acting as guides for the courses of plates which are laid thereon, and as a lock to hold them after being placed, substantially as herein described.

In witness whereof I have hereunto set my hand.

HENRY ANDERSON.

Witnesses:
S. H. NOURSE,
H. C. LEE.