

No. 611,906.

Patented Oct. 4, 1898.

L. A. HAWLEY.
METALLIC ROOFING.

(Application filed Nov. 16, 1897.)

(No Model.)

Fig. 1.

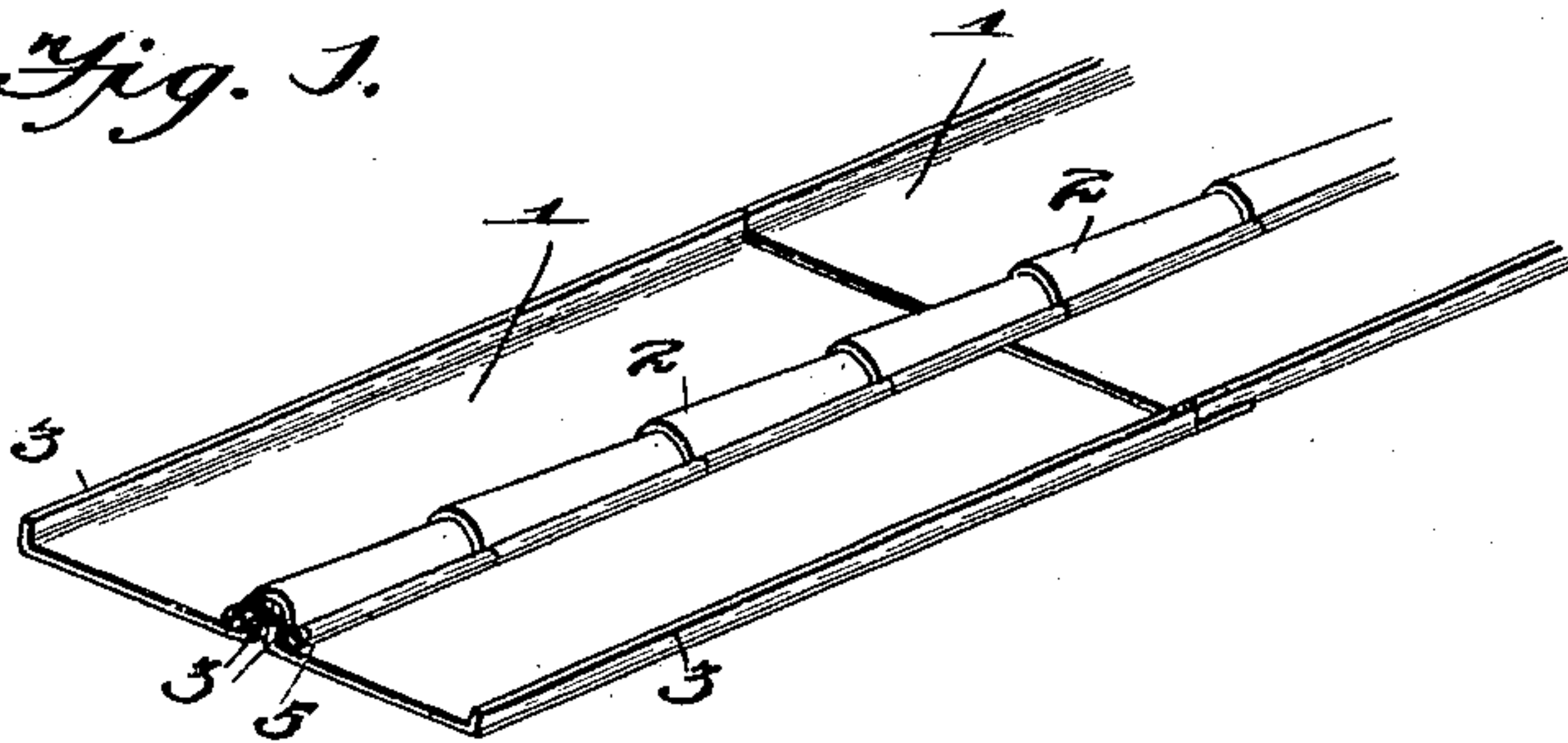


Fig. 2.

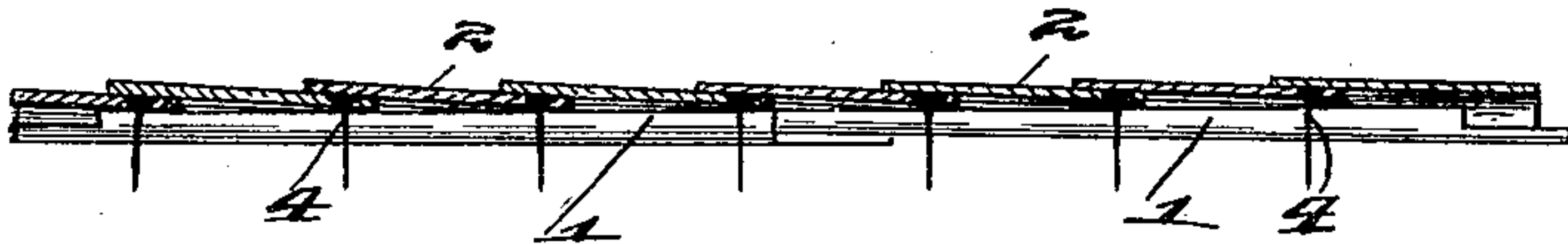


Fig. 3.

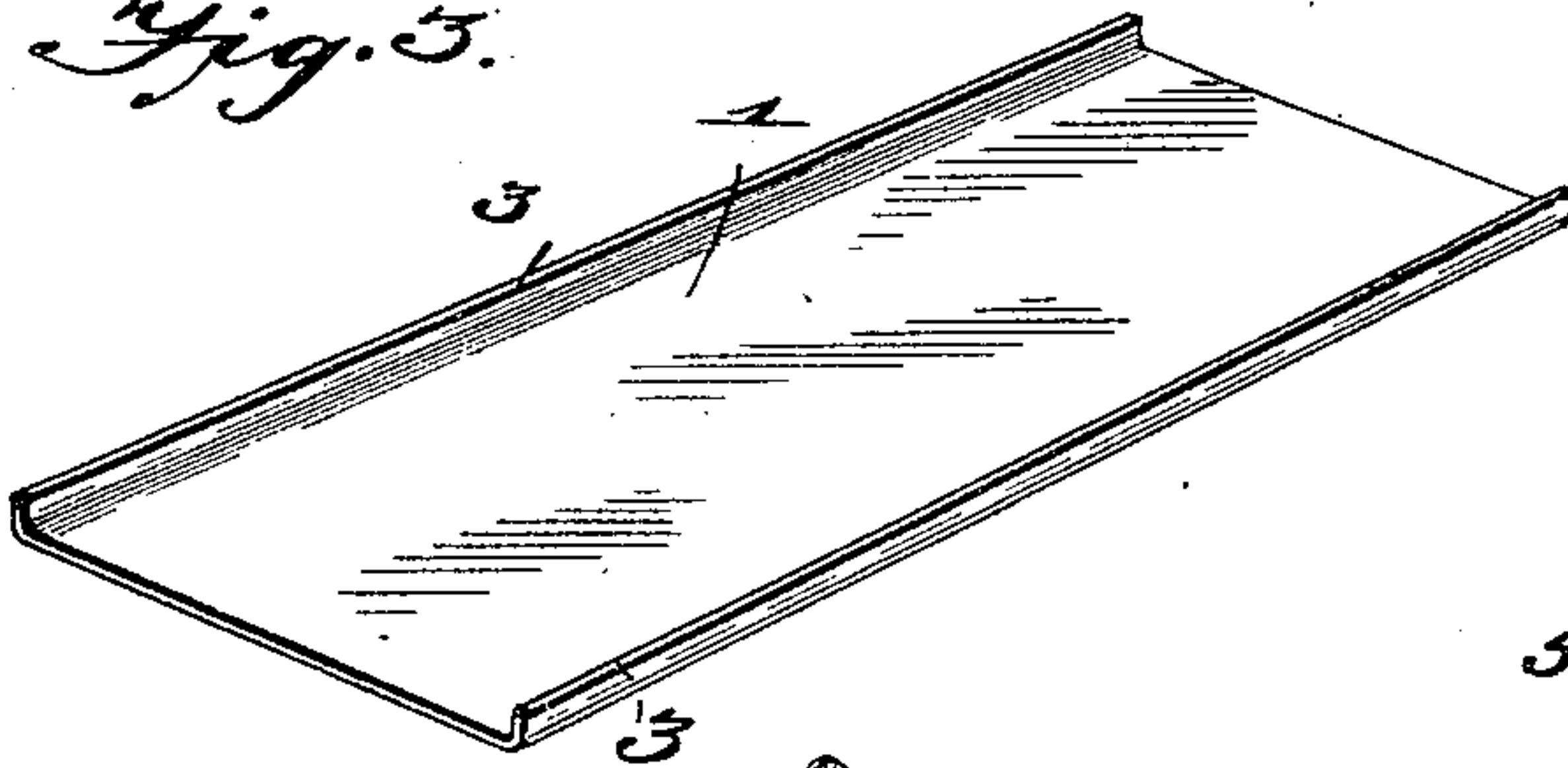


Fig. 4.

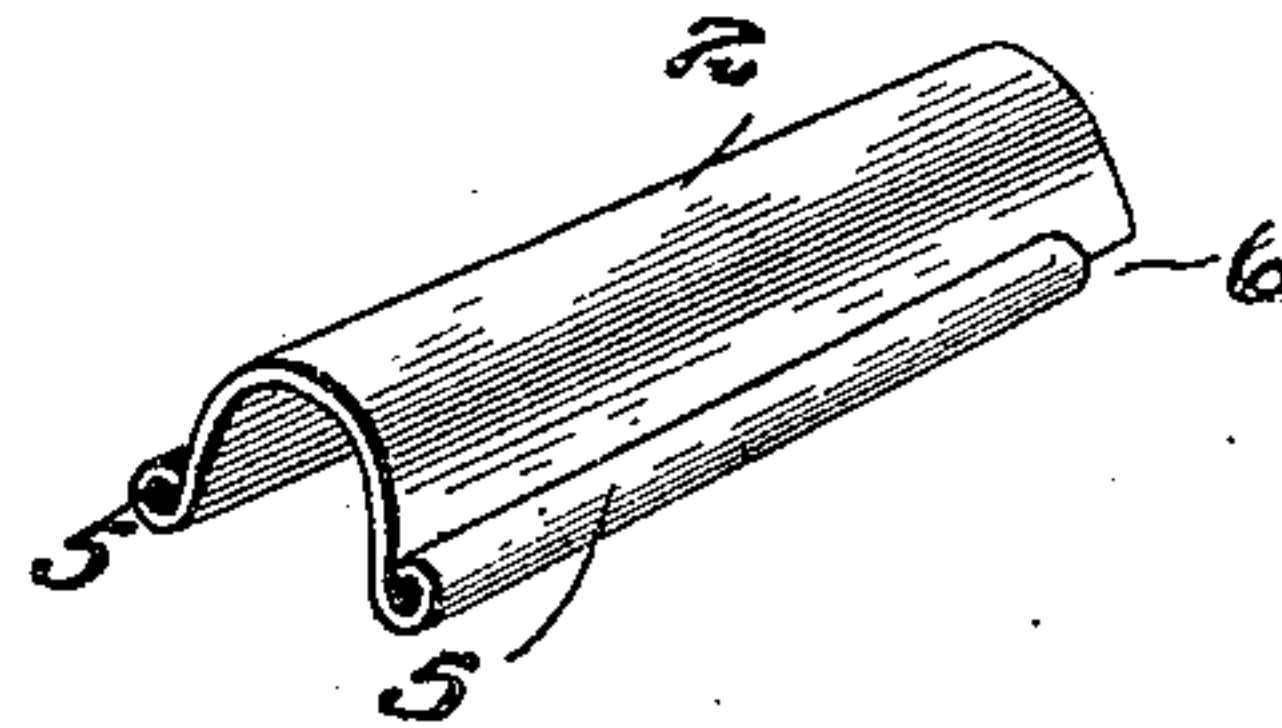


Fig. 5.

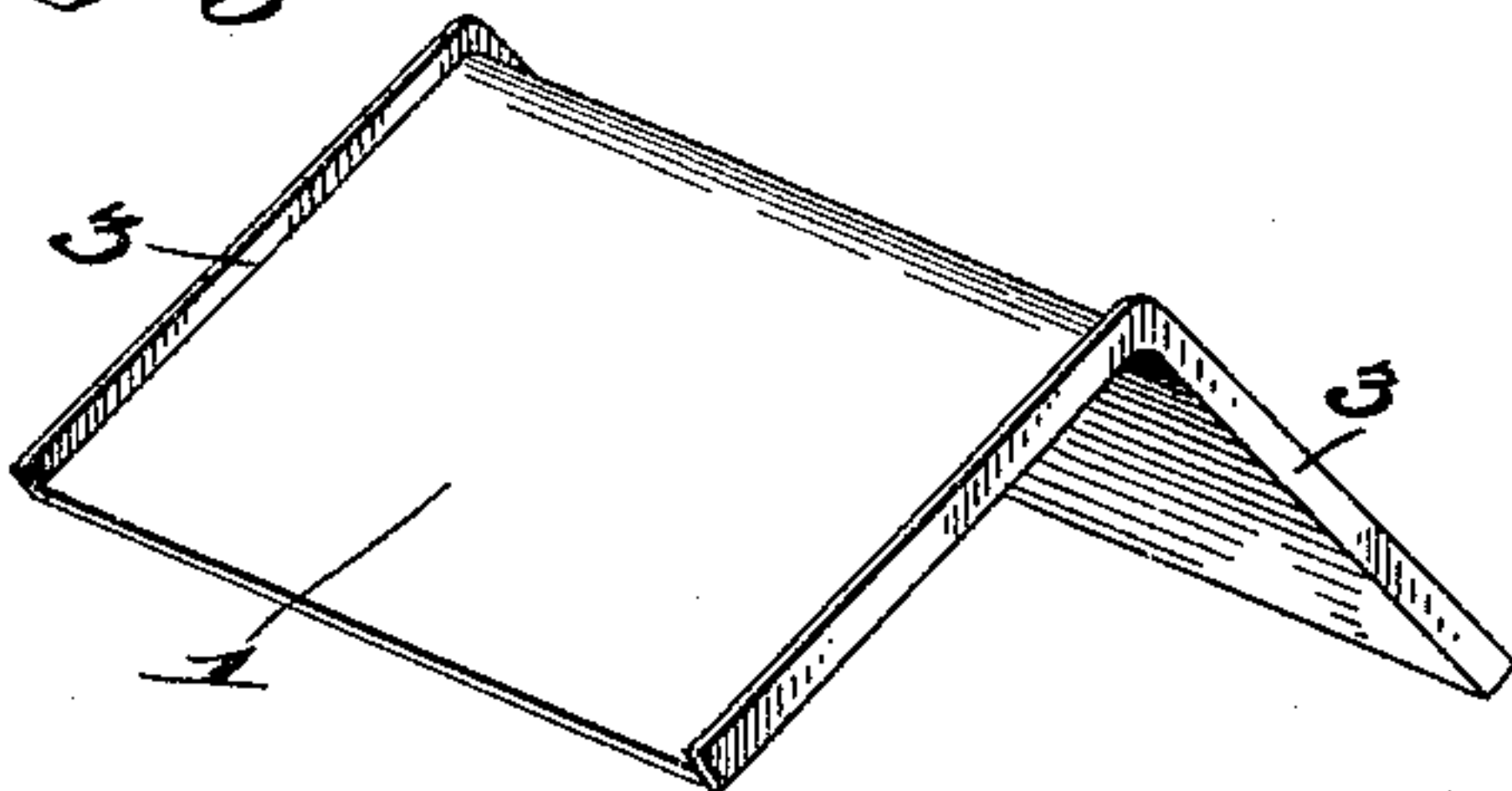
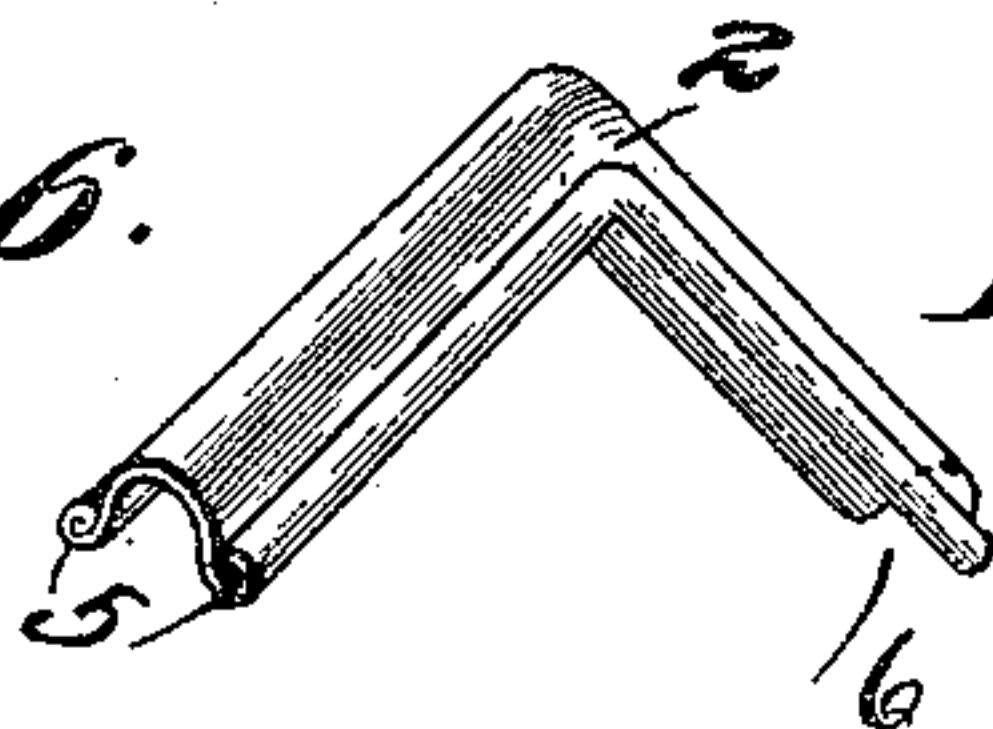


Fig. 6.



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METALLIC ROOFING.

SPECIFICATION forming part of Letters Patent No. 611,906, dated October 4, 1898.

Application filed November 16, 1897. Serial No. 658,750. (No model.)

To all whom it may concern:

Be it known that I, LAMARTINE A. HAWLEY, a citizen of the United States, residing at Sandisfield, in the county of Berkshire and State of Massachusetts, have invented certain new and useful Improvements in Metallic Roofing; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to metallic roofing, and has more particular relation to metallic roofing of the tile type.

The invention consists of certain novel constructions, combinations, and arrangements of parts, all of which will be hereinafter more particularly set forth and claimed.

In the accompanying drawings, forming part of this specification, Figure 1 represents a perspective view of a portion of a roof provided with my improvement. Fig. 2 represents a central vertical longitudinal section through the same. Fig. 3 represents an enlarged detail perspective view of one of the metallic tiles. Fig. 4 represents an enlarged detail perspective view of one of the cap-pieces. Fig. 5 represents an enlarged detail perspective view of one of the ridge-tiles, and Fig. 6 represents an enlarged detail perspective view of one of the ridge-caps.

1 1 in the drawings represent the tiles proper, and 2 2 the connecting-caps. Said tiles 1 are preferably constructed of metal and have their opposite ends turned upward, as at 3, so that when the tiles are applied side by side said upwardly-turned ends will lie in proximity to each other, so as to receive the cap portions 2, which are placed over the same. In applying said tiles 1 in position the edges 3 are left sufficiently separated to allow for all expansion or contraction of the tile and also for the passage of the securing-nails 4 between them. Each of said cap-pieces 2 comprises a single piece of metal bent into an approximately semicircular form and having its edges rolled, as at 5, so as to give an ornamental appearance to the same. The

securing-nails for holding said caps 5 in position are driven through the ends of the same, so that the succeeding tile will lap over the head of said nail and fully protect it from the action of the weather and thus prevent all rusting and at the same time avoid the leaking of water through the nail-hole. The lower edges 5 of each of the cap-pieces 2 are cut away at one end of the cap, as shown at 6, in order that the next adjacent cap may overlap and still be held in close relation thereto.

In the modified form of tile shown in Fig. 5 the same is bent at an angle to fit snugly over the ridge-pole of the roof. This construction of tile is in all other respects substantially the same as that heretofore described. The modified cap portion represented by Fig. 6 is also substantially the same as heretofore described, with the exception that it is bent at an angle so as to fit snugly over the meeting angular edges of the ridge-plates. (Shown in Fig. 5.) The said ridge-caps are applied in position by suitable nails driven through suitable recesses formed in the angular portions, said nails having extended heads or caps which prevent the passage of water through the nail-holes.

It will be observed from the foregoing description that my improved roofing is composed entirely of metal, but at the same time is capable of expansion and contraction without in anywise interfering with its waterproof qualities. Further, the peculiar construction of the caps and mounting of the tile-plates permit of the latter being secured in position without nail-holes being made in the same at all, as the respective securing nails or screws pass through the spaces between said tile-plates.

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

1. In a metallic roofing, the combination with a plurality of flat plates having upwardly-turned edges, of angular ridge-plates also having upwardly-turned edges, straight caps adapted to be applied over the edges of

the straight plates, and angular caps adapted to be applied over the edges of the angular plates, substantially as described.

2. A metallic roofing comprising angular
5 tiles having upwardly-turned lateral edges, and angular caps adapted to fit over said upwardly-turned edges, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

LAMARTINE A. HAWLEY.

Witnesses:

H. S. MANLEY,
A. L. FULLER.