H. C. FERRON.

MEANS FOR RETAINING AND SUPPORTING METALLIC PLATES FOR ROOFING AND FOR LIKE USES.

APPLICATION FILED MAY 3, 1909.

935,479. **Patented Sept. 28, 1909.**

FIG. 1.

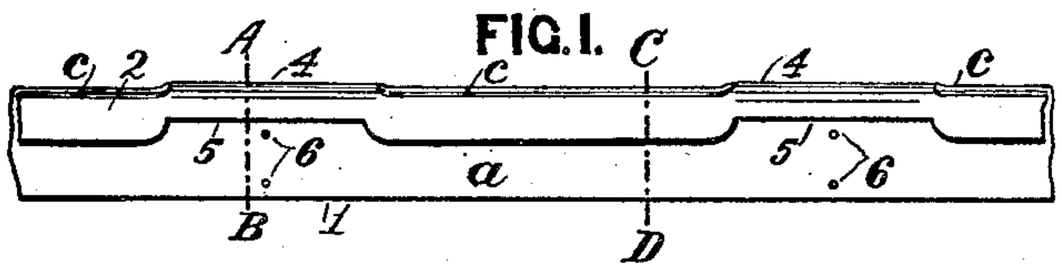


FIG. 2.

FIG. 3.

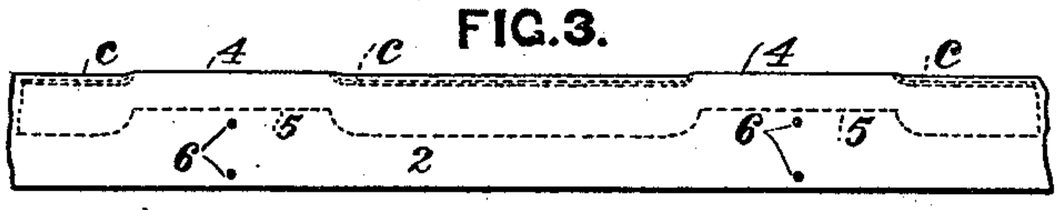


FIG. 4.

FIG. 5.

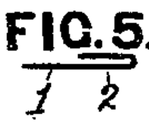


FIG. 6.

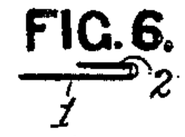
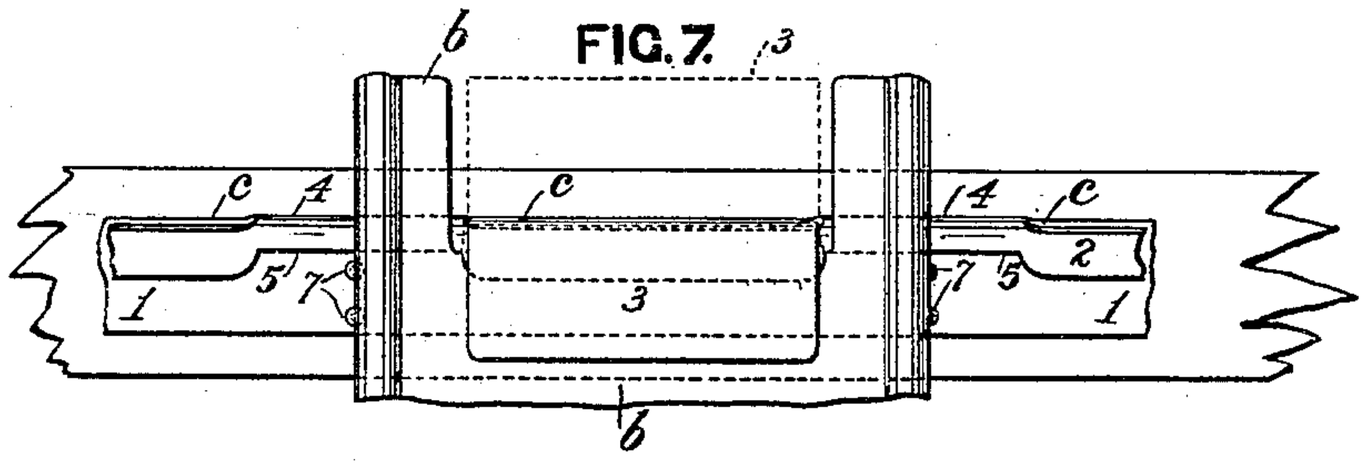


FIG. 7.



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UNITED STATES PATENT OFFICE.

HEINRICH CHRISTIAAN FERRON, OF AMSTERDAM, NETHERLANDS.

MEANS FOR RETAINING AND SUPPORTING METALLIC PLATES FOR ROOFING AND FOR LIKE USES.

935,479. Specification of Letters Patent. Patented Sept. 28, 1909.

Application filed May 3, 1909. Serial No. 493,620.

To all whom it may concern:

Be it known that I, HEINRICH CHRISTIAAN FERRON, a subject of the Queen of the Netherlands, residing at Prinsengracht 847, Amsterdam, in the Kingdom of the Netherlands, merchant, have invented certain new and useful Improvements in and Relating to Means for Retaining and Supporting Metallic Plates for Roofing and for Like Uses, of which the following is a specification.

This invention relates to certain improvements in or connected with means for retaining and supporting metallic plates for roofing and for like uses such as the sides and other parts of structures, of the kind referred to in my former patent, No. 780,946, 24th January 1905.

In the accompanying drawings:—Figure 1 by a plan view illustrates retaining and supporting means constructed in accordance with this invention. Fig. 2 is a front edge view of Fig. 1. Fig. 3 is an underside plan view. Fig. 4 is a rear edge view of Fig. 3. Fig. 5 is a section taken on the line A. B. Fig. 1. Fig. 6 is a section taken on the line C. D. Fig. 1, and Fig. 7 shows by a plan view identical with that shown in Fig. 1 but with a metallic tile superimposed thereupon in order to show the purpose of the slots and recesses in the outer flanges of the retaining and supporting means: the dotted line indicates the tongue before bending and lapping, and the full lines, after the bending and lapping.

The means referred to comprise ribs *a*, to support and retain the metal plates *b* whose tongues 3 are bent and lapped around them, and are according to the present invention made by stamping or forming the two locking surfaces 1, 2 out of one and the same strip and then by bending the same upon itself in the direction of its width the two surfaces 1, 2 overlying each other with only the space convenient for the insertion of the tile *b* left between them; slots *c* being formed at the bent edge 4, to receive the tongues 3 of the "plates" *b* and recesses or notches 5 being cut out of or formed at positions intermediate of the slots *c* on the turned over edges 4 and these notches 5 extend from the outermost edges of the turned over portion 2 of the plate *a* for a short distance inward, the corners being preferably rounded to facilitate introduction of the tiles *b*. Holes 6, 6 are also punched or formed in the underwidth or folded strip member 1 of the doubled over strip *a* to serve for the passage of nails 7 or holding means.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:—

A slotted and recessed metallic rib formed out of one metal strip destined to support and retain in position metal plate tiles whose tongues are entered into slots in said rib and then bent or lapped around the outer portions of said ribs, substantially as and for the purpose set forth and illustrated by the accompanying drawings.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

HEINRICH CHRISTIAAN FERRON.

Witnesses:

JOHAN SAMUËL KEPPLER,

FREDERIK BAKKER.