H. L. LEILICH.

LAP JOINT FOR CORRUGATED ROOFING.

APPLICATION FILED APR. 4, 1912.

1,068,393. Patented July 22, 1913.

FIG 1.

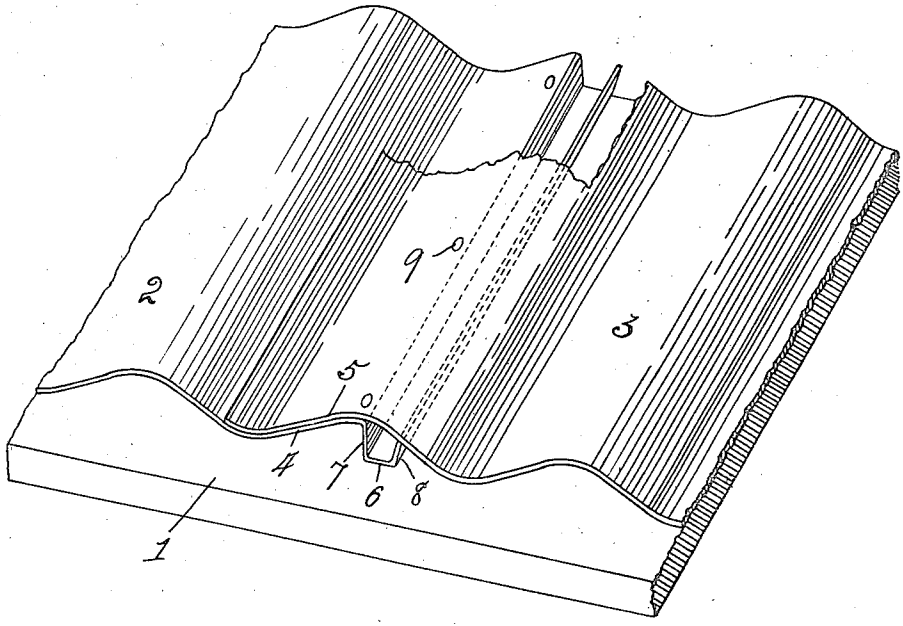
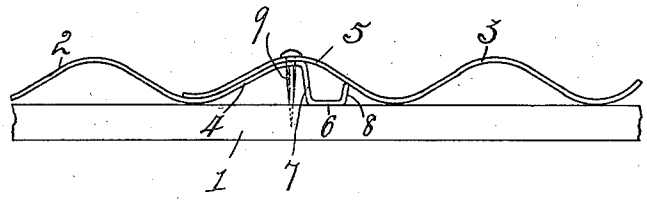


FIG 2.



WITNESSES:

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LAP-JOINT FOR CORRUGATED ROOFING.

1,068,393. Specification of Letters Patent. Patented July 22, 1913.

Application filed April 4, 1912. Serial No. 688,515.

To all whom it may concern:

Be it known that I, HENRY L. LEILICH, a citizen of the United States, and a resident of Delphos, in the county of Allen and State of Ohio, have invented a certain new and useful Lap-Joint for Corrugated 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, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this specification.

My invention relates to sheet metal roofing of the corrugated type, and particularly to the lap-joints for the roofing sheets.

The object of my invention is to provide a simple and improved lap-joint for corrugated roofing, which is inexpensive of formation, and adapted not only to effectually carry off the water or moisture which is present between the lapping edges by reason of condensation, capillary or siphonic action, but also to provide a firm support for the lapping edges at the point of nailing the same to the support or base member, thus preventing breaking down of the corrugation during the nailing operation.

The invention is fully described in the following specification, and a preferred embodiment thereof is illustrated in the accompanying drawings, in which,—

Figure 1 is a perspective view of a portion of a roof with my improved roofing applied thereto, and Fig. 2 is an edge elevation thereof.

Referring to the drawings, 1 designates the base or body of a roof of the usual boarding or other suitable construction, and 2 and 3 two adjoining corrugated sheets having the overlapping and closely fitting edge corrugations 4 and 5 respectively.

In the carrying out of my invention I provide the corrugation 4 at its outer edge with the integral trough 6, which trough has the inner leg 7 adapted to rest at its lower end upon the roofing base 1 to hold the attached sheet corrugation firmly up under the overlapping corrugation 5 on the other sheet, and having its outer leg 8 extending upward to and also forming a rigid support for the overlapping sheet corrugation, as shown. The trough 6 is preferably disposed slightly to one side of the center of the overlapping corrugation 5 to enable the securing nails 9 for the sheets to be driven substantially through the centers of the lapping corrugations in close proximity to the inner trough leg 7, as shown. This enables the inner trough leg to prevent a battering or hammering down of the corrugations at the points of driving of the nails therethrough, as would otherwise be the case. The legs of the trough are preferably inclined slightly outwardly from a vertical plane to enable the corrugated sheets to be piled one on top of another with their troughs fitting in nested relation one within another for shipping or storing. With this form of sheet and integrally attached trough, the moisture or water which is drawn between the lapping edges of the sheets by capillary or siphonic action enters the associated trough 6 and is thereby carried to a suitable point of discharge.

I wish it understood that my invention is not limited to any specific construction or arrangement of the parts except in so far as such limitations are specified in the claim.

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

In combination, a base, corrugated sheets mounted thereon having their adjoining edge corrugations overlapped with the inner one terminating in an integrally formed trough having spaced vertically disposed sides of unequal depth, the inner of said sides extending downwardly from substantially the center of the associated sheet corrugation and resting on said base to provide a support for such corrugation and the center of the lapping corrugation, and the outer side forming a support for the outer lapping corrugation intermediate its center and lower edge, and securing members penetrating the lapped corrugations of the sheets adjacent to the inner trough side and fastening to the base.

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

HENRY L. LEILICH.

Witnesses:-
ARTHUR F. LINDEMANN,
JOHN F. LINDEMANN.