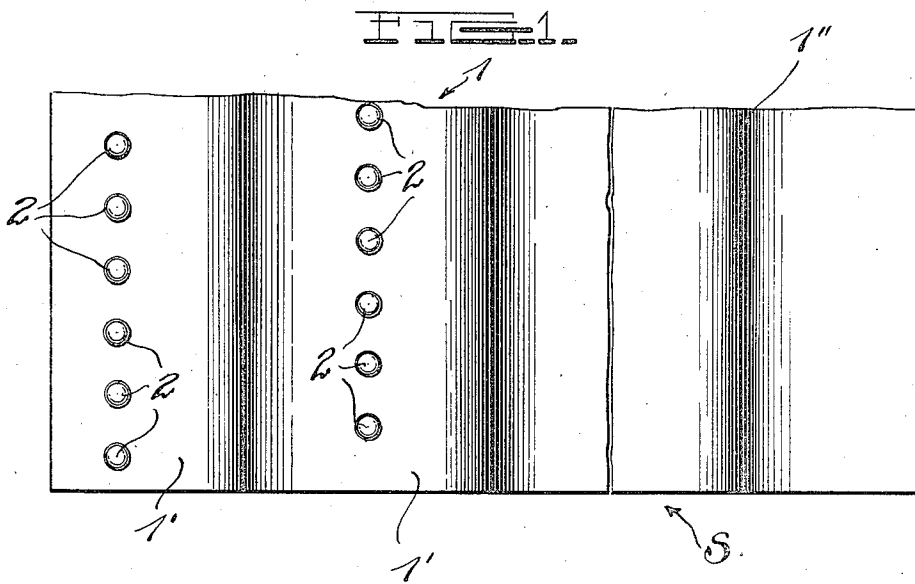
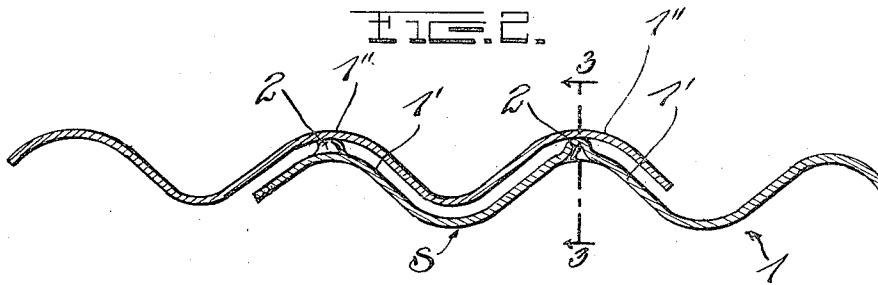
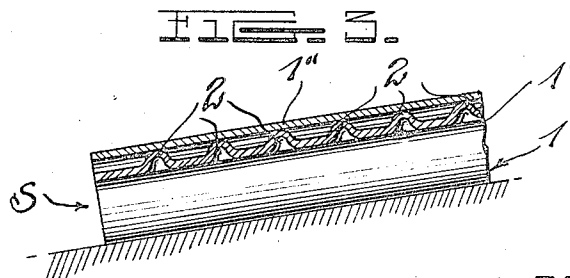


L. J. B. SCHNUG.
LAP JOINT FOR ROOFING.
APPLICATION FILED OCT. 26, 1916.

1,220,463.

Patented Mar. 27, 1917.



Witness

George W. Giovanetti

Inventor

L. J. B. SCHNUG

By

H. B. Wilson & Co.
Attorneys

UNITED STATES PATENT OFFICE.

LOUIS J. B. SCHNUG, OF SAN DIEGO, CALIFORNIA.

LAP-JOINT FOR ROOFING.

1,220,463.

Specification of Letters Patent.

Patented Mar. 27, 1917.

Application filed October 26, 1916. Serial No. 127,647.

To all whom it may concern:

Be it known that I, LOUIS J. B. SCHNUG, a citizen of the United States, residing at San Diego, in the county of San Diego and State of California, have invented certain new and useful Improvements in Lap-Joints for Roofing; and I do 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 improvements in the construction of roofing members, particularly corrugated sheet iron.

The principal object of the invention is to provide roofing members of sheet metal which are provided with means so that when they are placed in overlapping position, water will be prevented from creeping back through the joint.

A secondary object is to provide a very simply constructed roofing member which may be readily formed by tools of ordinary construction.

With these and other objects in view, the invention resides in the novel features of construction, combination and arrangement of parts which will be hereinafter more particularly described and claimed as shown in the drawings wherein:

Figure 1 represents a plan view of a portion of one of my improved roofing members;

Fig. 2 is a cross sectional view showing two of the members arranged in overlapping position; and

Fig. 3 is a similar view on the plane of the line 3—3 of Fig. 2.

In the preferred embodiment, the sheet metal from which my improved roofing members are formed is corrugated, the ribs 1 which form the ridges of the corrugations extending longitudinally of the sheets S composing the members. The two outermost ribs 1' on one edge of the sheet, which are overlapped by the adjacent sheet and one of which ordinarily constitutes the nailing rib, are provided in their crowns with longitudinal rows of projections 2, one row being formed on each rib. The projections 2

on one rib 1' are arranged out of transverse alinement with those on the adjacent rib 1' as shown in Fig. 1 of the drawings.

These projections 2 are formed by pressing the sheet metal outwardly at predetermined points, thus providing concavo-convex studs which are circular in plan view. Any number of these studs may be formed and they are designed to maintain all portions of the edge of one sheet spaced from and out of contact with the other sheet except at the tops of the projections, as shown in Fig. 2. In this figure it will also be noted that the studs are formed only at one edge of each sheet, the outer or nailing ribs 1' adjacent the other edge being plain and similar to those in the intermediate portions.

By providing an air space between the adjacent overlapping edges of the sheets of metal composing the roofing, water is prevented from creeping between the joints and causing the roof to leak. It is well known that the lapped joints of corrugated roofs frequently leak to a greater or lesser extent due to capillarity. Since the upper sheet of the roofing engages the lower sheet only at the tops of the studs 2, sufficient space will be provided to prevent this action. Furthermore, the provision of two longitudinal rows of studs will more effectively prevent this action than a single row, inasmuch as the edge of the upper sheet is liable to touch the lower in the latter case.

In addition to the advantages above enumerated, it may be pointed out that by locating the projections 2 on the nailing rib, the accumulation of moisture around the nails which are driven through said ribs, is prevented. It will thus be clear that a great difficulty has been overcome since the nails will not so rust as to permit them to weaken as now occurs upon corrugated metal roofs in which the seams contact closely.

I claim as my invention:—

A rectangular roofing sheet formed of metal corrugated into spaced symmetrical ribs extending longitudinally of said sheet, the rib or ribs at one edge of the sheet which are intended to be overlapped being stamped outwardly at longitudinally spaced points

along the crown thereof to space the lapping
rib or ribs of an overlapping sheet from
said first named rib or ribs whereby the ac-
cumulation of moisture in the seam and
5 around any nails through said ribs is pre-
vented.

In testimony whereof I have hereunto set

my hand in the presence of two subscribing
witnesses.

LOUIS J. B. SCHNUG.

Witnesses:

MARCUS W. ROBBINS,
JOHN S. HUGHES.