

(No Model.)

L. L. SAGENDORPH.  
METALLIC ROOFING SHEET.

No. 407,966.

Patented July 30, 1889.

Fig. 1.

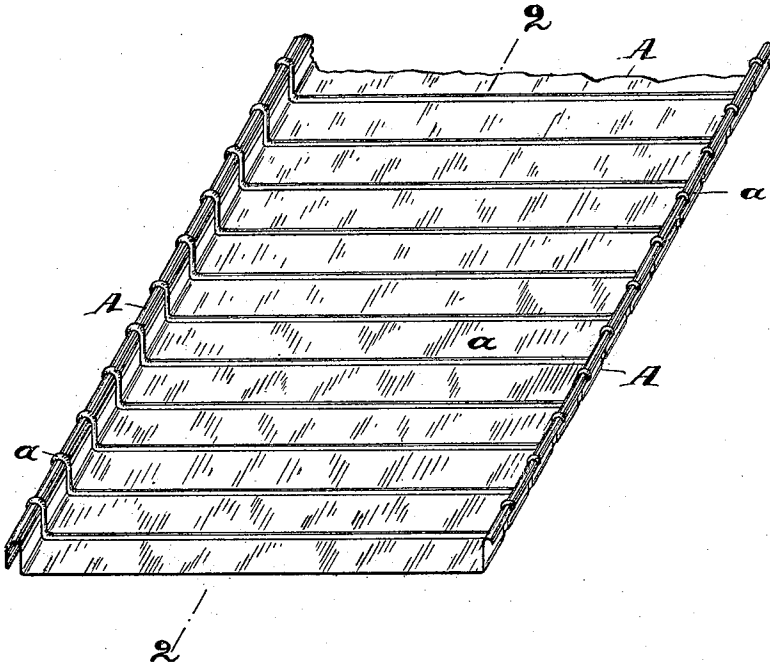
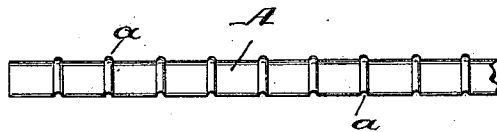


Fig. 2.



Attest  
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# UNITED STATES PATENT OFFICE.

LONGLEY LEWIS SAGENDORPH, OF CINCINNATI, OHIO, ASSIGNOR OF ONE-HALF TO CHARLES N. HARDER, OF PHILMONT, NEW YORK.

## METALLIC ROOFING-SHEET.

SPECIFICATION forming part of Letters Patent No. 407,966, dated July 30, 1889.

Application filed March 14, 1889. Serial No. 303,325. (No model.)

*To all whom it may concern:*

Be it known that I, LONGLEY LEWIS SAGENDORPH, a citizen of the United States, and a resident of the city of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Metallic Roofing-Sheets, of which the following is a specification.

The object of my invention is to form a series of depressions crosswise of the sheet on its under face and corresponding bead-like ribs on its outer face, which shall extend up and over the standing seam. As is well-known, it is impossible to form a standing seam on a sheet of metal corrugated crosswise, owing to irregularity of surface and liability to break the metal. By forming a series of circular depressions and corresponding ribs on opposite sides of the sheet crosswise for its entire width the standing seam may be formed without danger of breaking the metal, as the body of the sheet is on the same plane, and when the flanges which form the standing seam are formed the ribs on top of said seam will be almost taken out of the metal. A sheet of roofing manufactured after my invention combines all the advantages of a corrugated sheet and also of a standing-seamed roof.

In the drawings accompanying this application and forming a part thereof, Figure 1 is a top plan view of a part of a sheet of roofing embodying my invention, and Fig. 2 is a section taken at the dotted line in Fig. 1.

My invention consists in forming a series of continuous depressions and corresponding bead-like ribs *a* entirely across a sheet of roofing and then forming the side flanges A

at an angle to said ribs, the latter extending up and over said flanges, as shown in Fig. 1.

In addition to the advantages already enumerated, another great advantage consists in the fact that a sheet of roofing made according to my invention may be applied to a roof of a cylindrical configuration, the depressions and ribs being formed in the standing seam permitting the sheet to conform to a cylindrical-shaped roof.

It is well known that a plain sheet provided with standing side flanges cannot be bent across said side flanges without buckling and breaking the metal at irregular points. A sheet of metal constructed after my invention may be applied in a cylindrical form, for the reason that the cross-depressions in the side flanges will permit the same to be bent at those points without danger of buckling or breaking the metal.

Another advantage of my invention consists in the fact that a sheet of roofing prepared according to my invention will not rattle like a plain sheet of roofing, and will also admit of expansion and contraction.

What I claim as new, and desire to secure by Letters Patent, is—

A new article of manufacture, consisting of a sheet of roofing provided with a series of continuous crosswise depressions and corresponding ribs *a* and side hooked flanges A, said ribs extending entirely across said sheet and flanges, substantially as set forth.

LONGLEY LEWIS SAGENDORPH.

Witnesses:

C. N. AVERY,  
C. W. SCHIERECK.