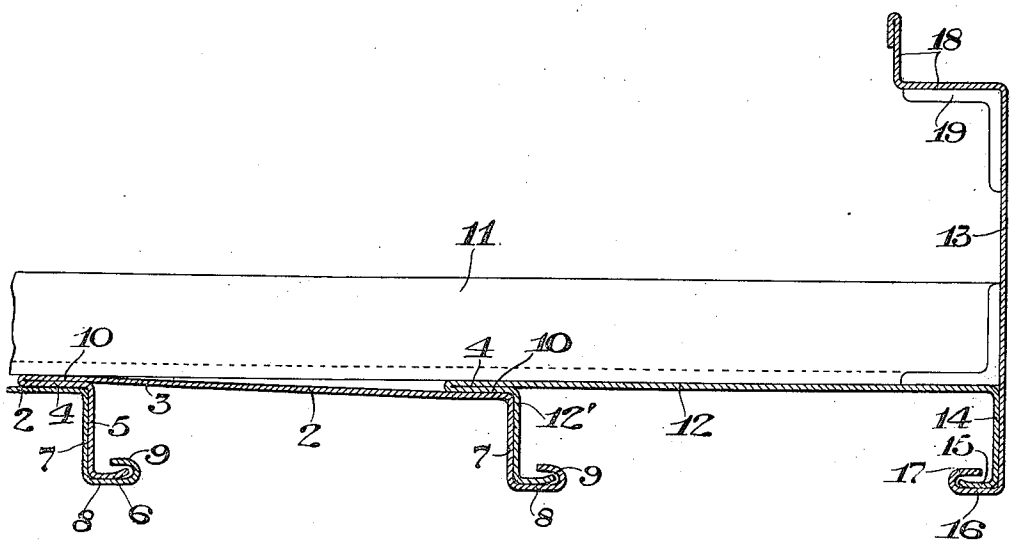
H. BLOEDOW AND J. SCHAFFNER.

SHEET METAL BUILDING.

APPLICATION FILED APR. 30, 1921.

1,429,400. Patented Sept. 19, 1922.



WITNESSES

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UNITED STATES PATENT OFFICE.

HENRY BLOEDOW AND JACOB SCHAFFNER, OF MILWAUKEE, WISCONSIN, ASSIGNORS TO STANDARD SHEET METAL WORKS, OF MILWAUKEE, WISCONSIN, A CORPORATION OF WISCONSIN.

SHEET-METAL BUILDING.

Application filed April 30, 1921. Serial No. 465,682.

To all whom it may concern:

Be it known that we, HENRY BLOEDOW and JACOB SCHAFFNER, citizens of the United States, and residents of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented new and useful Improvements in Sheet-Metal Buildings, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

The invention relates to sheet metal buildings, and more particularly to the construction of the panels used for siding or roofing.

The object of the invention is to provide a strong weather tight panel construction and one in which the panels may be easily joined together.

The invention further consists in the several features hereinafter set forth and more particularly defined by claim at the conclusion hereof.

The drawing shows a transverse sectional view through panelling embodying the invention.

The panels 2, which may be used for the sides or roof of a sheet metal building, each have a body portion 3, a Z portion at one edge and an L-shaped portion at its other edge. The Z portion of the panel is formed by bending back a part 4 of the plate forming the panel upon the body portion, then bending out an L-shaped flange formed by the flange portions 5 and 6. The L-shaped portion at the other edge of the panel is formed by the flanges 7 and 8 bent from the plate and a hook-shaped edge 9 is formed on the outer edge of the flange 8. These edges thus formed extend lengthwise of the panel and the Z-shaped edge of one panel interlocks with the body portion and L-shaped edge of the adjacent panel to form a strong weatherproof joint. While the joint above described permits of assembling the panels by sliding one down upon the other, it also provides a much quicker and easier assembly of the panels by avoiding the necessity for raising one above the other, since the flange 6 of one panel may be inserted in the longitudinally extending hook 9 and the panel with this flange 6 is then swung directly into place to bring the parts forming the joint into abutting relation. It will be noted that the reinforced edge 10 formed by extending the part 4 back on the body of the panel abuts against the body portion of the adjacent panel and the three thicknesses of metal thus provided enables rivets or other fastening means to be passed through the panels to secure them to a metal frame 11 without danger of tearing out the sheet metal.

At the corners of the building we provide panels 12 and 13. The panel 12 on one side of the corner has a Z-shaped edge 12′ similar to the panel 2, and interlocking with the L-shaped edge of one of the panels 2 and outer edge of said panel 12 is formed by an L-shaped flange formed by the flange portions 14 and 15. The panel 13 has a corner flange 16 having a hook-shaped edge 17. The L-shaped edge of the panel 12 and the hooked flange 16 of the panel 13 slidably interlocks to form the corner joint with the flange portion 14 of the panel 12 abutting the body portion of the panel 13. The panel 13 may be formed to provide a door jamb 18 reinforced by a frame member 19, as shown in the drawing, or it may be provided with a Z-shaped edge similar to that used on the panel 12 for connection with the L-shaped edge of another side panel 2. This corner construction also provides a strong interlocked weatherproof joint between the corner panels 12 and 13.

What we claim as our invention is:

Panels for siding or roofing of a sheet metal building each comprising a body portion, a part extending back on the body portion and outwardly in the form of an L-shaped flange to form a reinforced Z-shaped edge at one side of the body portion, and a part on the other side of the body portion extending outwardly in the form of an L-shaped flange with a backwardly extending hook-shaped edge, the outer flange of the Z-shaped edge of one panel adapted to be hooked onto said hooked edge and then swung to bring the parts forming the joint between the panels into abutting relation.

In testimony whereof, we affix our signatures.

HENRY BLOEDOW.
JACOB SCHAFFNER.