

(No Model.)

W. C. BERGER.
SHEET METAL ROOFING.

No. 485,782.

Patented Nov. 8, 1892.

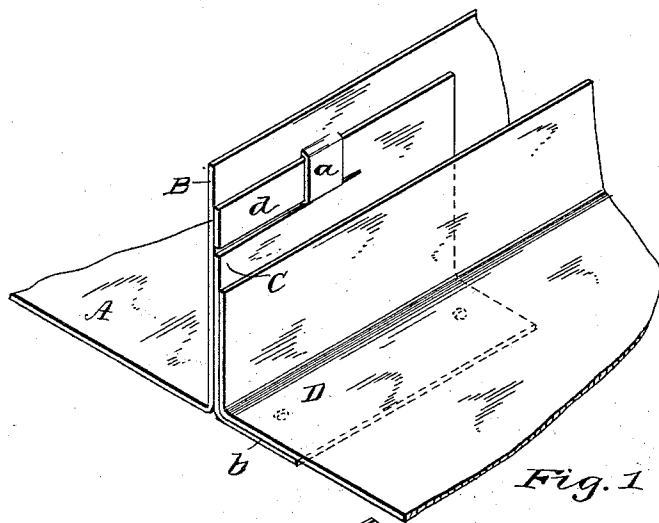


Fig. 1

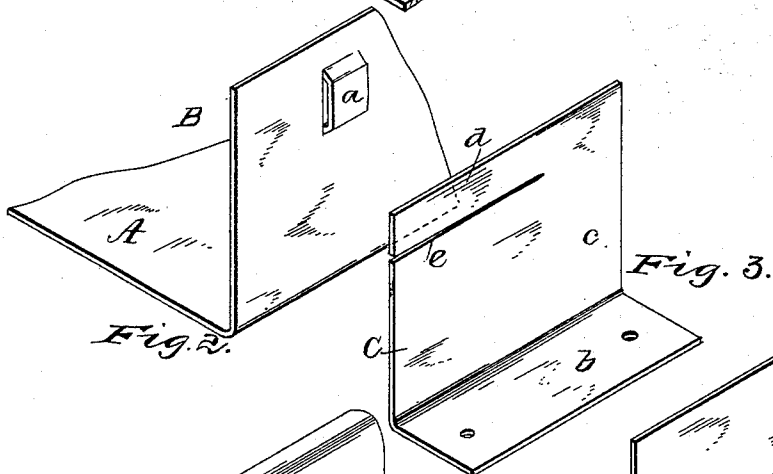


Fig. 2.

Fig. 3.

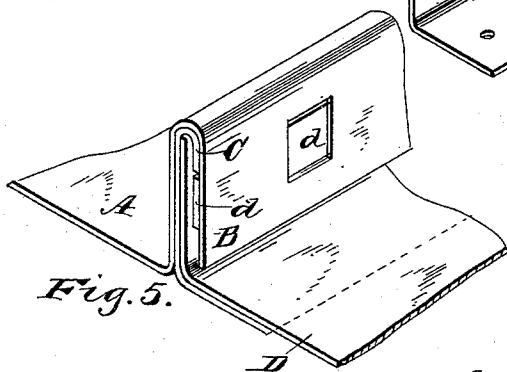


Fig. 5.

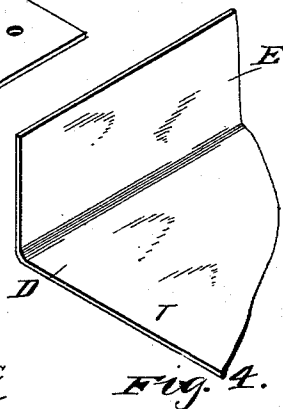


Fig. 4.

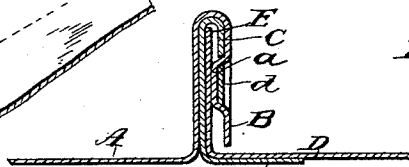


Fig. 6.

Witnesses

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UNITED STATES PATENT OFFICE.

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SHEET-METAL ROOFING.

SPECIFICATION forming part of Letters Patent No. 485,782, dated November 8, 1892.

Application filed March 28, 1892. Serial No. 426,767. (No model.)

To all whom it may concern:

Be it known that I, WILSON C. BERGER, a citizen of the United States, and a resident of Canton, county of Stark, State of Ohio, have invented a new and useful Improvement in Sheet-Metal Roofing, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification.

My invention relates to an improvement in sheet-metal roofing, the object of which is to provide a simple, effective, and inexpensive method of securing sheets of metal to the roofing-boards or sheeting and to complete the seam by a single turn of the edge of one sheet over the upturned edge of the adjoining sheet.

With these ends in view my invention consists of certain features of construction and combination of parts, as will be hereinafter described, and pointed out in the claim.

Figure 1 of the accompanying drawings is a perspective of a fragment of a sheet-metal roofing illustrating my invention. Fig. 2 is a similar view showing the loop formed in the upturned flange; Fig. 3, a similar view of the anchor; Fig. 4, a similar view showing the narrow upturned flange; Fig. 5, a similar view showing the completed seam; Fig. 6, a transverse sectional view through the loop.

Similar letters of reference indicate corresponding parts in all of the figures of the drawings.

A represents one of the sheets used in the construction of a sheet-metal roof, on which is provided an upturned flange B, preferably about two inches high, in which is formed a loop *a*.

C represents the anchor, which is formed substantially as shown, having a horizontal base portion *b* and a vertical portion *c*, at the upper portion of which is a horizontal slit *e*, by which is formed a tongue *d*, as shown.

D represents a second sheet in the structure, showing a narrow upturned flange E, preferably about one inch high.

In constructing the roof, for the purpose of illustration, I will say a sheet of metal, as A, adapted for such a purpose, is placed upon the roofing-boards or sheeting, beginning at the left-hand side, the outer edge of the sheet turned down and secured to the edge of the

sheeting, and the right-hand edge of the sheet turned up, forming the wide flange B, as shown in Fig. 1. At the upper portion of the flange B is provided a series of loops *a*, formed by a tool adapted for that purpose. The anchor C, of the form or substantially as that shown in Fig. 3, having a horizontal base portion *b*, a vertical portion *c*, and a tongue *d*, is then placed in position, as shown in Fig. 1, at desired intervals, the tongue *d* resting in the loop *a*, the horizontal portion of the anchor secured to the sheeting in the usual way. By this means the right-hand edge or side of the sheet A is secured to the sheeting. The sheet D is next placed upon the horizontal portion *b* of the anchor C, the narrow upturned flange resting against the vertical portion *c*, as shown in Fig. 1, over the narrow flange E. The upper portion of the flange B and anchor C are turned as shown in Fig. 6, by which the left-hand side of the sheet D is secured in position and the joint between the sheets A and D covered, this forming a single-fold seam and anchorage or fastening, whereby a sheet-metal roof may be laid with great dispatch and at a greatly-reduced cost.

Having thus fully described the nature and object of my invention, what I claim, and desire to secure by Letters Patent, is—

The combination, with two sheets having upward-projecting flanges, one projecting a greater distance than the other and provided with a loop having side openings, of an anchor consisting of a horizontal base portion located beneath one of the sheets and an upward-extending portion located between the aforesaid flanges and having its upper edge intermediate the edges of the said flanges and provided with a horizontally-extending tongue to take into the loop, the said upwardly-projecting portion of the anchor and the highest flange of one sheet bent over the short flange of the other sheet.

In testimony whereof I have hereunto set my hand this 25th day of March, A. D. 1892.

WILSON C. BERGER.

Witnesses:

W. K. MILLER,
CHAS. R. MILLER.