

F. MOFFETT.  
ROOFING.

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Patented Mar. 29, 1910.

953,217.

Fig. 1.

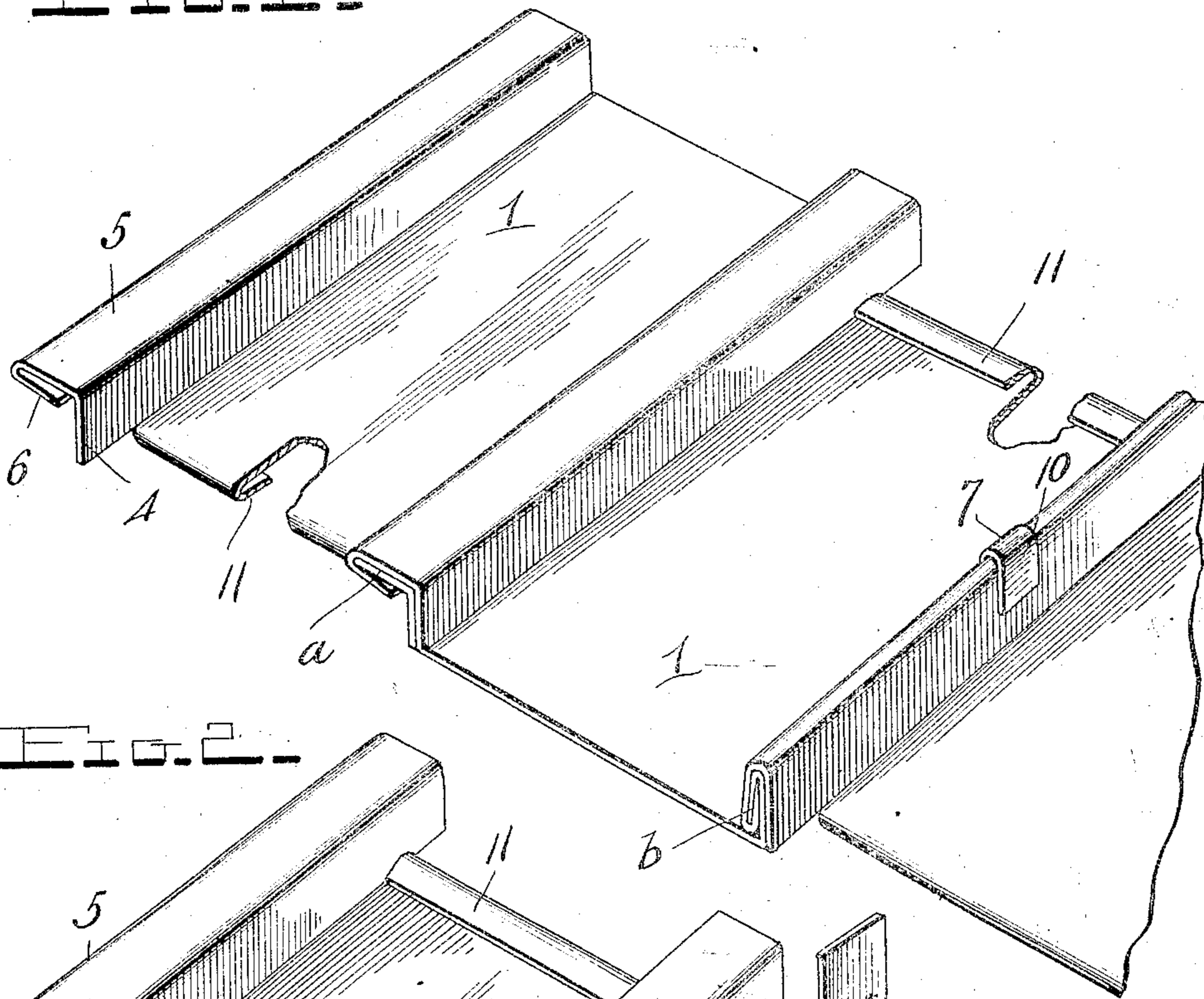


Fig. 2.

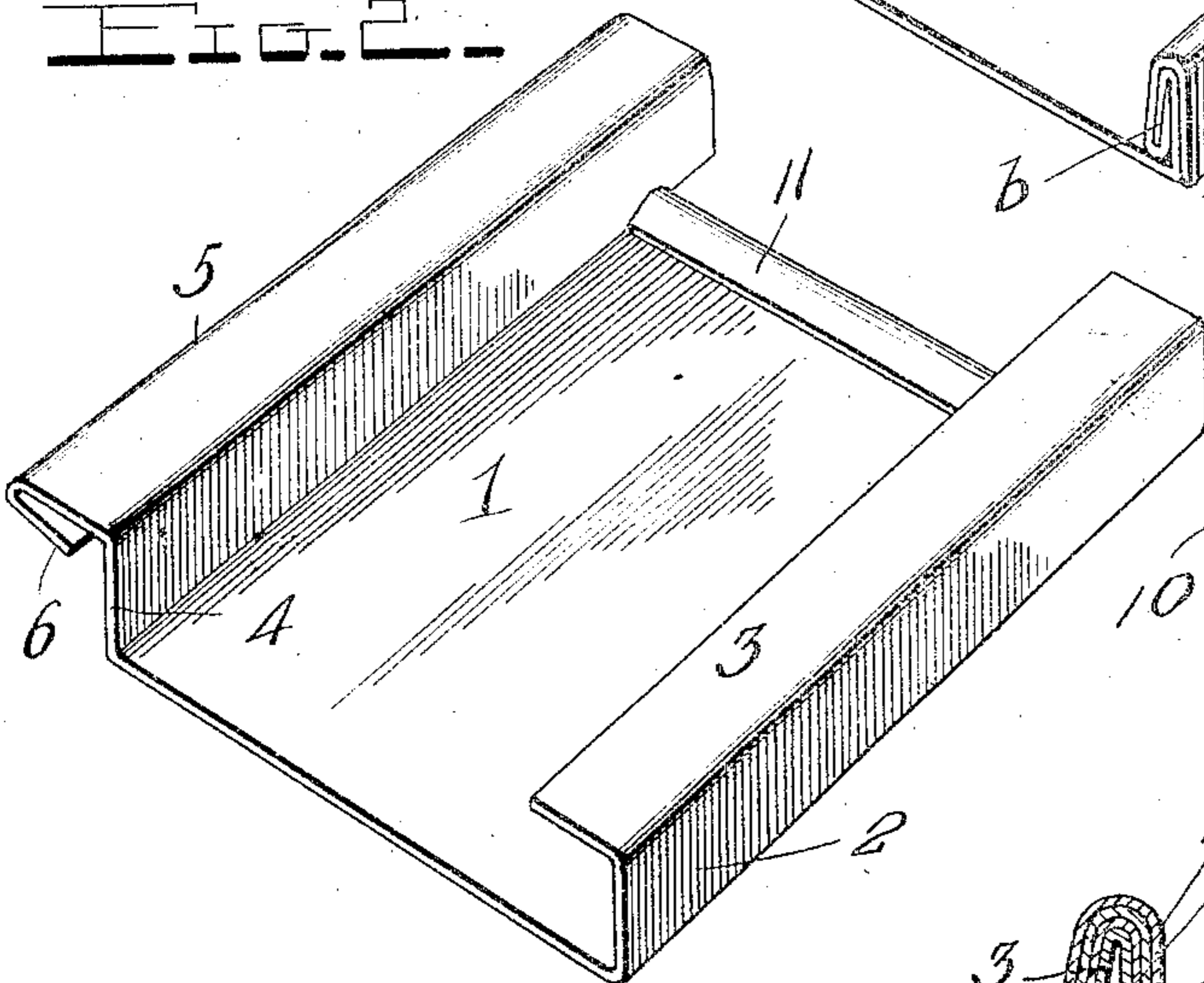


Fig. 4.

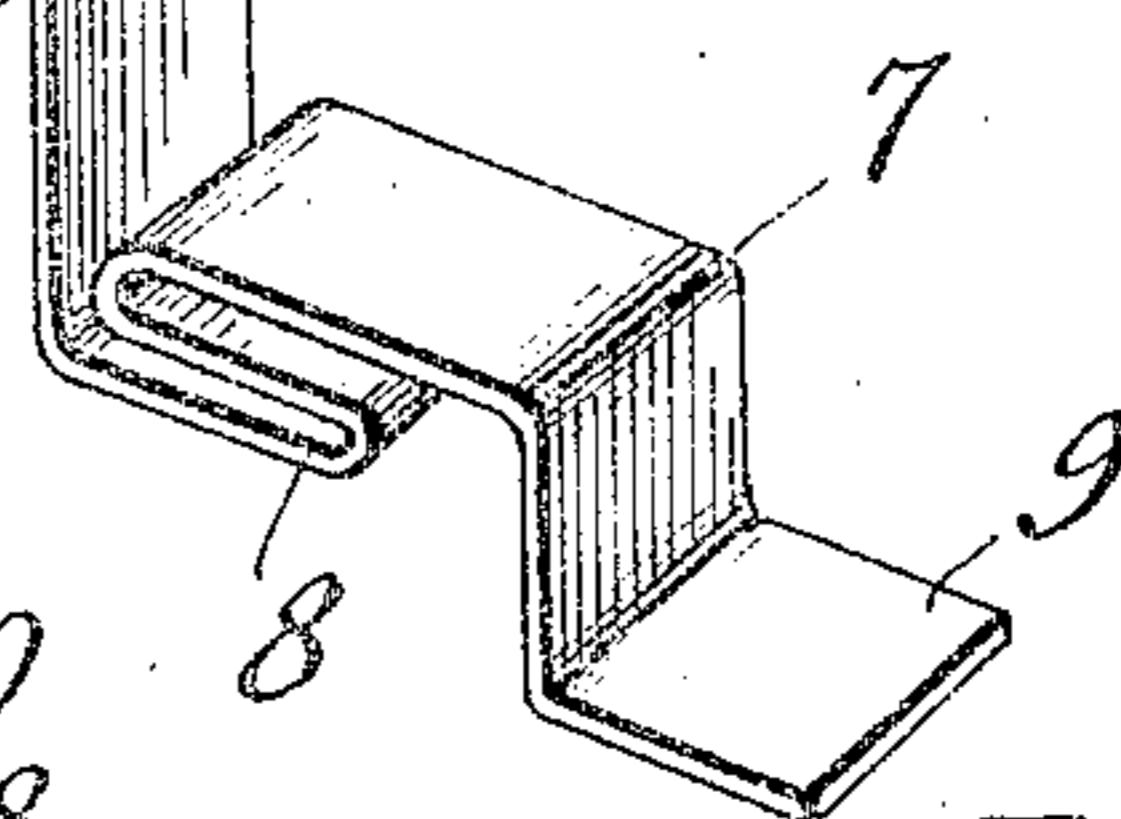


Fig. 3.

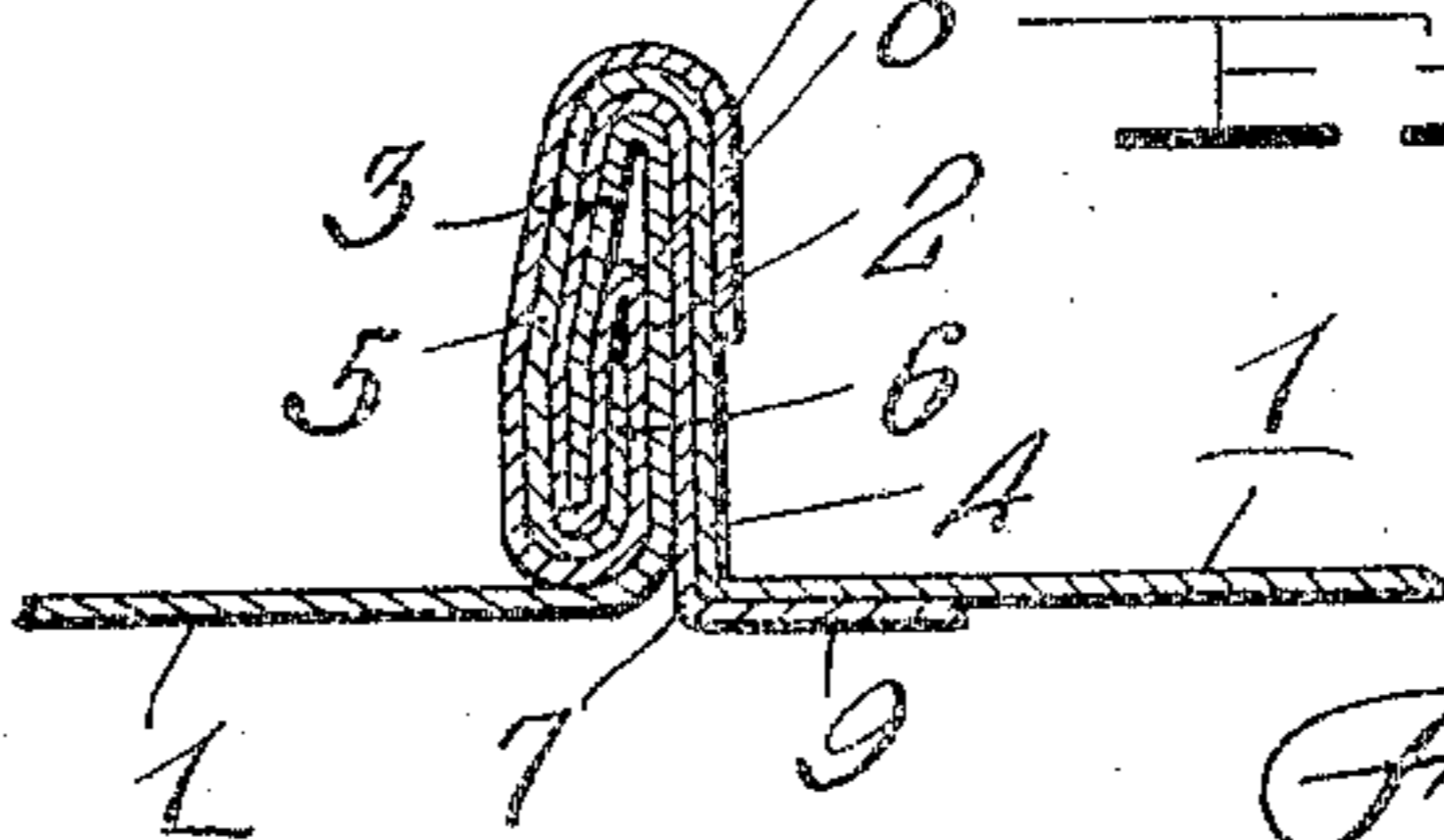
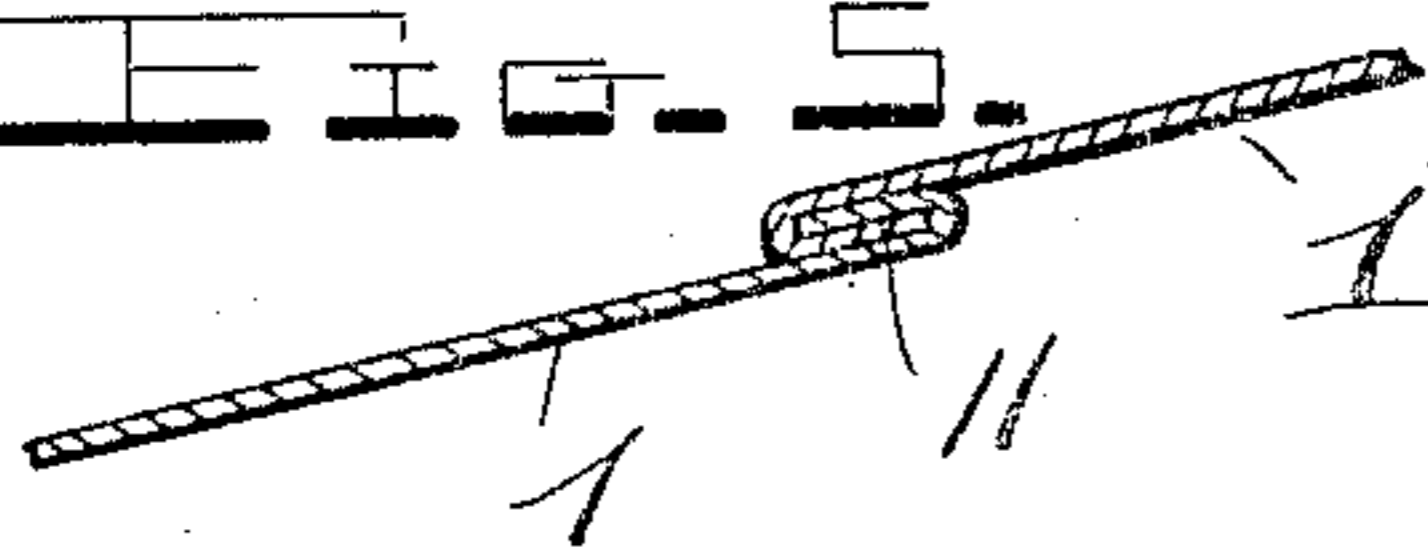


Fig. 5.



Witnesses

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# UNITED STATES PATENT OFFICE.

FLOYD MOFFETT, OF FOREST, OHIO.

ROOFING.

953,217.

Specification of Letters Patent.

Patented Mar. 29, 1910.

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*To all whom it may concern:*

Be it known that I, FLOYD MOFFETT, a citizen of the United States, residing at Forest, in the county of Hardin and State of Ohio, have invented certain new and useful Improvements in Roofings, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to improvements in metallic roofing and more particularly to double lock seams or joints for the sections or sheets of roofing made of galvanized sheet iron, tin and other sheet metal.

One object of the invention is to provide a roofing of this character which may be made in sections at the factory and readily interlocked and rendered waterproof by the person who lays it and a further object of the invention is to provide an effective means for strengthening the double lock seam or joint of the roofing sheets or sections.

With the above and other objects in view, the invention consists of the novel features of construction and the combination and arrangement of parts hereinafter fully described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of several of the roofing sections or sheets showing the manner in which they are assembled and interlocked; Fig. 2 is a perspective view of one of said sheets or sections; Fig. 3 is a sectional view through the finished joint or seam and showing the extra locking member or strip; Fig. 4 is a detail view of the locking strip; and Fig. 5 is a detail view showing the manner in which the ends of two sheets or sections may be overlapped and interlocked.

In the drawings 1 denotes one of my improved roofing sheets or sections, each of which is made from a single piece of galvanized sheet metal or any other sheet material. These sections may be made of any length, although I preferably make them six, eight or ten feet long. They are shaped at the factory, as shown more clearly in Fig. 2, that is, one longitudinal edge of each sheet is bent upwardly at right angles, as shown at 2, and then inwardly at right angles, as shown at 3, so as to provide an angular flange along said edge. The opposite longitudinal edge of the sheet or section 1 is bent upwardly at right angles, as shown at 4, then outwardly at right angles, as at 5, and

then its extremities bent downwardly and inwardly at an angle, as shown at 6. Said bent portions 4, 5, 6 provide another angular flange with a channel formed by the portion 6, which channel is adapted to receive the portion 3 on the next adjacent roof section, as shown at *a* in Fig. 1. After two sheets are thus assembled the portions 3, 5, 6 are bent downwardly, as shown at *b* in Fig. 1, so as to provide an effective double lock seam or joint which will be entirely water proof. It is desirable to more securely lock such seams or joints at intervals throughout their lengths, and this I preferably accomplish by means of metal strips 7 which are arranged in said joints, as shown more clearly in Fig. 3. Each of said strips 7 is folded upon itself, as shown at 8, so as to receive the portion or flange 6 and one of its ends is bent around the flange 3, then over the flange 2 and has its extremity bent at right angles, as shown at 9, under one of the sections or sheets 1. The other end of the strip 7 is bent around the flange 5, then up over the flange 4 and has its extremity bent downwardly over the top edge of the joint, as more clearly shown in Fig. 1. It will be noted that this locking strip is bent in a reverse direction to that of the joint or seam and thereby forms an effective lock for the same.

Where the roof is longer than the section or sheet and it is necessary to place the same end to end, their end edges may be folded over upon themselves to provide hook flanges 11 which are engaged with each other, as shown more clearly in Fig. 5. The ends of the sections or sheets which are thus bent to form the interlocking flanges 11 have the longitudinal or side flanges projecting beyond the body portions of the sections or sheets so that they will overlap the corresponding longitudinal or side flanges of the abutting or adjoining sections.

While the invention is especially adapted for use in making galvanized sheet iron or sheet metal roofing, it will be understood that the sections may be made of tin or other sheet metal or sheet material. It will be further noted that the sections or sheets may be made at a small cost at the factory so that they may be quickly assembled and interlocked on the roof by simply fitting them into each other and then hammering down the engaged flanges and then squeezing together said flanges.

Having thus described the invention what is claimed is:

The herein described roofing comprising a rectangular sheet having one of its longitudinal edges bent upwardly and inwardly to provide an upstanding right angular flange having a vertical portion and an inturned horizontal portion, a second rectangular sheet having one of its longitudinal edges bent to provide an upstanding angular flange having a vertical portion, an outwardly projecting horizontal portion and an edge portion folded under said outwardly projecting horizontal portion, the inwardly projecting horizontal portion of the flange on the first sheet being adapted to enter beneath the outwardly projecting horizontal portion and said edge portion on the second sheet, and the engaged horizontal portions of the two sheets being adapted to be bent downwardly, and a locking and attaching strip having a horizontal end 9 disposed be-

neath the first sheet, the angular upstanding portion to engage the outer faces of the vertical and horizontal portions of the angular flange on the first sheet, the double fold 8 to receive the edge portion of the flange on the second sheet and adapted to be bent downwardly with the horizontal portions of the flanges of the two sheets, said strip also having the free end 10 extending vertically and engaged with the outer face of the upright angular portion of the flange on the second sheet, said end 10 being bent over said flange and downwardly in a direction opposite to the folding of the flanges of the two sheets, as and for the purpose set forth.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

FLOYD MOFFETT.

Witnesses:

WM. A. MAPLETOFT,  
O. E. HEMPY.