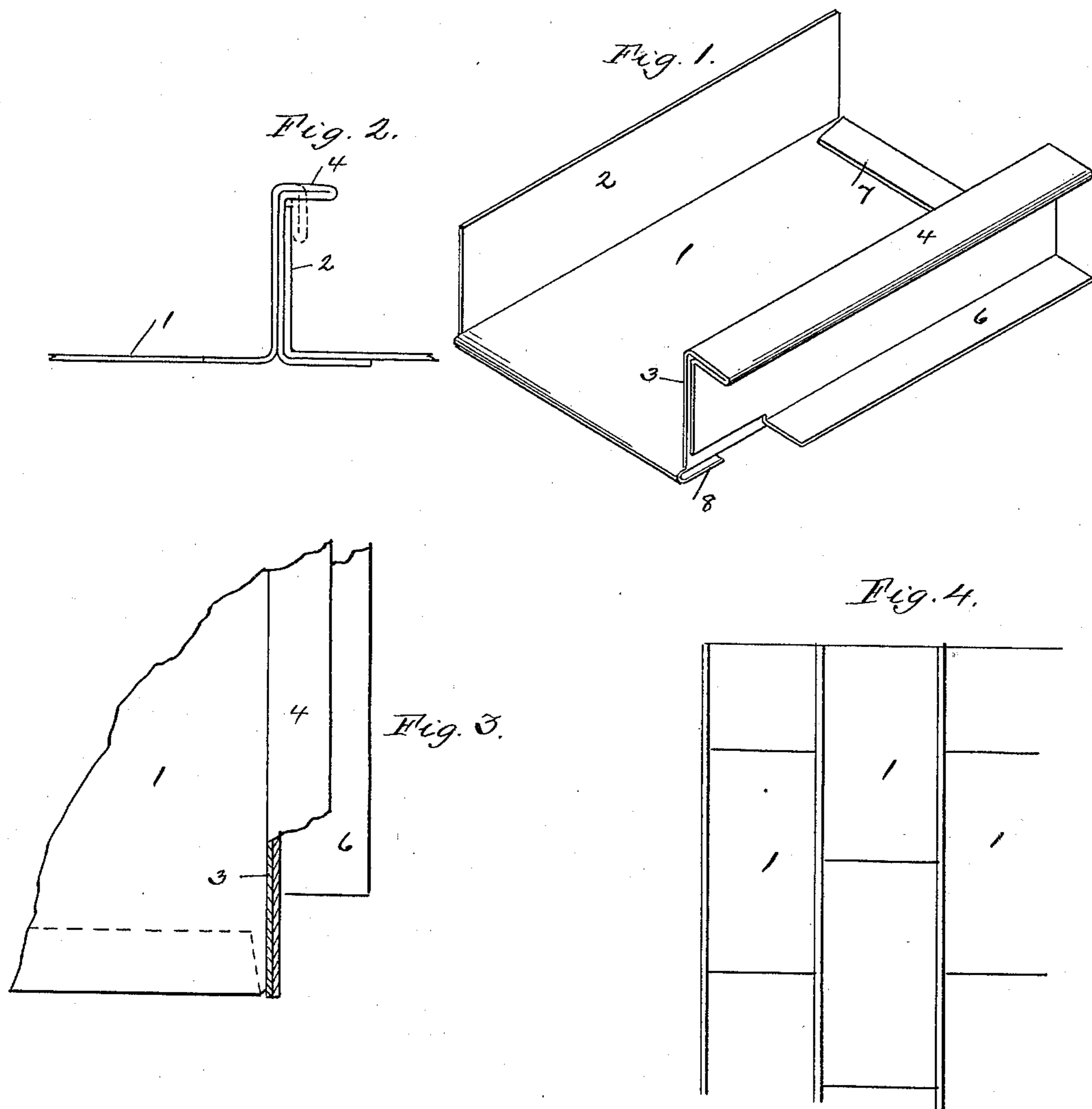


(No Model.)

J. B. GOODWIN.
METALLIC STANDING SEAM ROOFING.

No. 466,850.

Patented Jan. 12, 1892.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN B. GOODWIN, OF PITTSBURG, PENNSYLVANIA.

METALLIC STANDING-SEAM ROOFING.

SPECIFICATION forming part of Letters Patent No. 466,850, dated January 12, 1892.

Application filed June 11, 1891. Serial No. 395,924. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. GOODWIN, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Metallic Standing-Seam Roofing; and I do hereby 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 pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improved metallic standing-seam roofing; and it consists in the peculiar details of construction, as will be fully described hereinafter.

In the accompanying drawings, Figure 1 is a perspective view of my improved metallic shingle, which is constructed in accordance with my invention. Fig. 2 is an end view of one of the seams. Fig. 3 is a sectional plan view of the same, partly shown in section. Fig. 4 is a plan view of a portion of a roof, which shows the manner of arranging my improved shingle.

To put my invention into practice I provide a piece of sheet metal 1 of a suitable size, and bend one side 2 thereof upward at right angles to the sheet. The other edge 3 opposite is also bent upward until parallel with the other 2 and then bent outward parallel to the sheet 1, at which time an inward and downward bend is given the same and the metal pressed close to the under side of the top portion 4 and to the rear of the vertical portion 3 and the metal given another outward bend 6, thus making this portion parallel with the double upper portion 4 and a little above the level of the plate 1. This last-described bend 6 is shortened at one end to admit of the adjoin-

ing sheet being connected thereto. At one end of the shingle is an upward bend or loop 7 and at the other end another 8, only bent in a reverse direction. These two loops 7 8 serve to connect the sheets together in the direction of their length. To cover a roof with these shingles I commence with a half or whole shingle in position, and then joining another by means of the loops 7 8, and thus continuing one shingle after the other in a direct line from the eave to the comb of the roof. Another shingle is taken and the bent portion 2 placed under the overhanging part 6, as shown in Fig. 2 on the drawings. This second row is continued, as before described, and after completed the upper portion bent downward by means of a suitable tool. (See dotted lines on Fig. 2.) The horizontal seams are staggered or broken, as shown at Fig. 4 on the drawings.

Having thus described my invention, I claim—

The herein-described metallic roofing, consisting of the plate 1, the ends of which are bent over and under to form loops, the one side 2 bent at right angles to the plate 1 and the other bent vertically to form the side 3, then horizontally away from and again toward the side 3, and continued downwardly along the said side 3, and a portion 6, bent outwardly parallel thereto and little above the level of the plate 1, substantially as set forth and described.

In testimony that I claim the foregoing I hereunto affix my signature this 13th day of March, A. D. 1891.

JOHN B. GOODWIN. [L. S.]

In presence of—

CHARLES LARGE,
M. E. HARRISON.