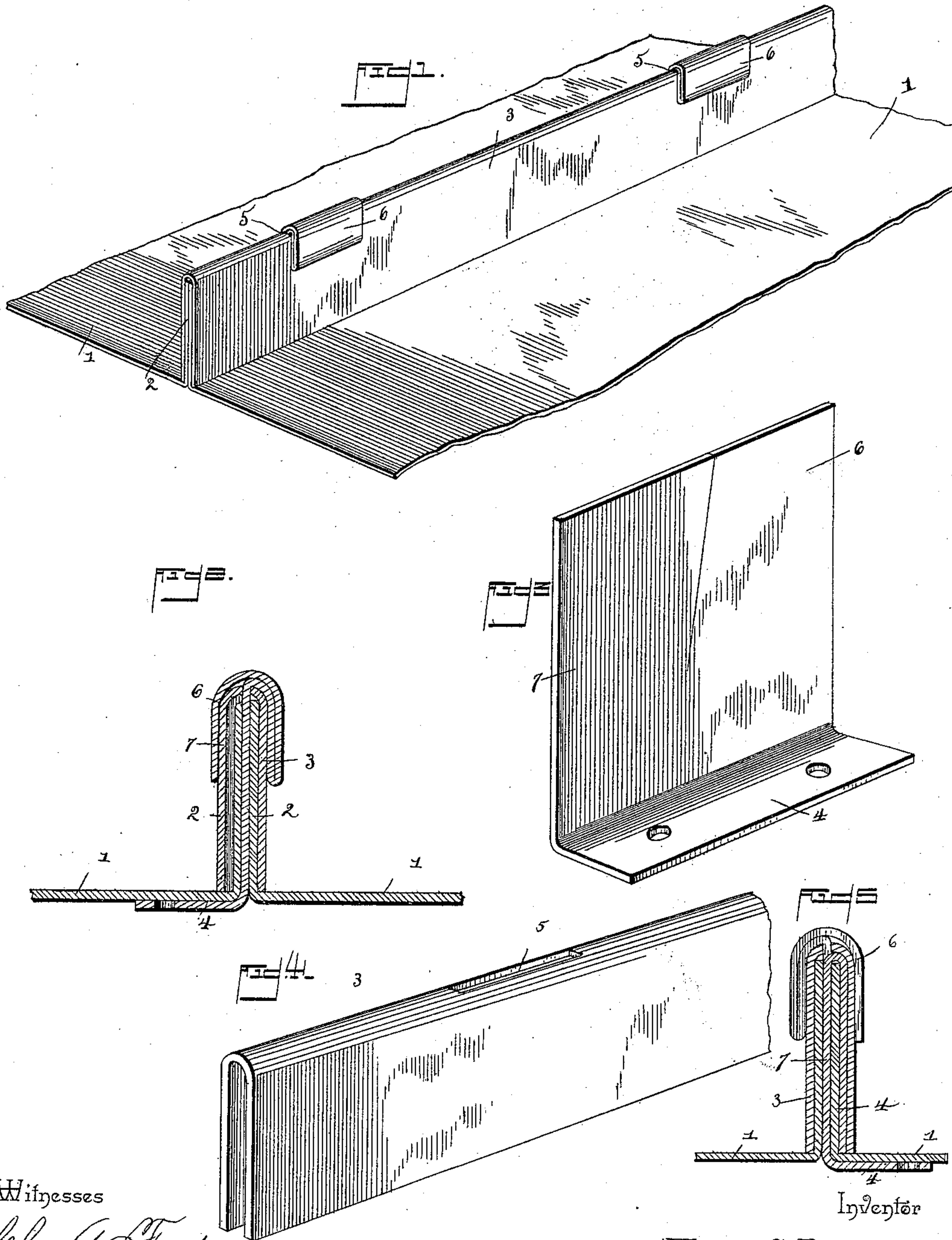


(No Model.)

F. C. ROBBINS.
METALLIC ROOFING.

No. 471,338.

Patented Mar. 22, 1892.



Witnesses

Charles Ford

H. F. Riley

By *his* Attorneys,

Chas. Snow & Co.

Frank C. Robbins.

Inventor

UNITED STATES PATENT OFFICE.

FRANK C. ROBBINS, OF NILES, OHIO.

METALLIC ROOFING.

SPECIFICATION forming part of Letters Patent No. 471,338, dated March 22, 1892.

Application filed July 7, 1891. Serial No. 398,702. (No model.)

To all whom it may concern:

Be it known that I, FRANK C. ROBBINS, a citizen of the United States, residing at Niles, in the county of Trumbull and State of Ohio, have invented a new and useful Metallic Roofing, of which the following is a specification.

The invention relates to improvements in metallic roofing.

The object of the present invention is to simplify and improve the construction of metallic roofing and to enable the same to be quickly and securely put together and to present neat and water-tight joints.

The invention consists in the construction and novel combination and arrangements of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a portion of a metallic roof constructed in accordance with this invention. Fig. 2 is a transverse sectional view. Fig. 3 is a detail view of one of the anchors or clips before being bent. Fig. 4 is a detail perspective view of the cap. Fig. 5 is a section similar to Fig. 2, but taken at one side of the same.

Referring to the accompanying drawings, 1 1 designate sections of a roof having their longitudinal edges bent upward to form flanges 2, which are arranged adjacent to each other and are covered by a cap 3 and are secured to a roof by a clip or anchor-piece 4. The cap 3 is approximately U-shaped and is constructed by bending a strip of sheet metal longitudinally in the middle, and it is provided with openings 5. The anchor-pieces or clips 4 are prepared in the usual manner and are L-shaped, and they are then cut longitudinally in the middle from their upper edges and at an angle to their sides to provide for each clip or anchor-piece a wedge-shaped section 6 to pass through an opening 5 to secure

the cap, and a section 7, which is bent over the vertical flanges 2 of the roof-sections. The opening 5 of the cap is cut slightly larger than the outer end of the wedge-shaped portion 6, so that the latter can be started in the opening 5 by a workman, and then the wedge-shaped section, by pressing the cap down, in place of the vertical flanges 2, cuts its way partially and makes a snug fit. After the section 6 has been arranged in the opening 5 and the cap is in proper position, the section 6 is bent downward on one side of the cap and is returned and bent downward on the other side of the cap, thereby covering the opening 5 and making practically a water-tight joint.

It will be seen that roofs constructed in accordance with this invention are simple and inexpensive and may be rapidly put together and that when complete they present neat seams, which are practically water-tight.

What I claim is—

In a metallic roof, the combination of roof-sections provided with vertical flanges arranged adjacent to each other, a U-shaped cap provided with an opening and arranged to cover the flanges, and a clip or anchor-piece arranged between the flanges and designed to be secured to a roof and having a section 7, adapted to be bent over the flanges, and provided with a wedge-shaped section 6, passing through the opening of the cap and being bent downward on one side of the same and returned and bent downward on the other side of the cap to cover the opening of the latter, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

FRANK C. ROBBINS.

Witnesses:

C. W. THOMAS,
SADIE R. ROBINSON.