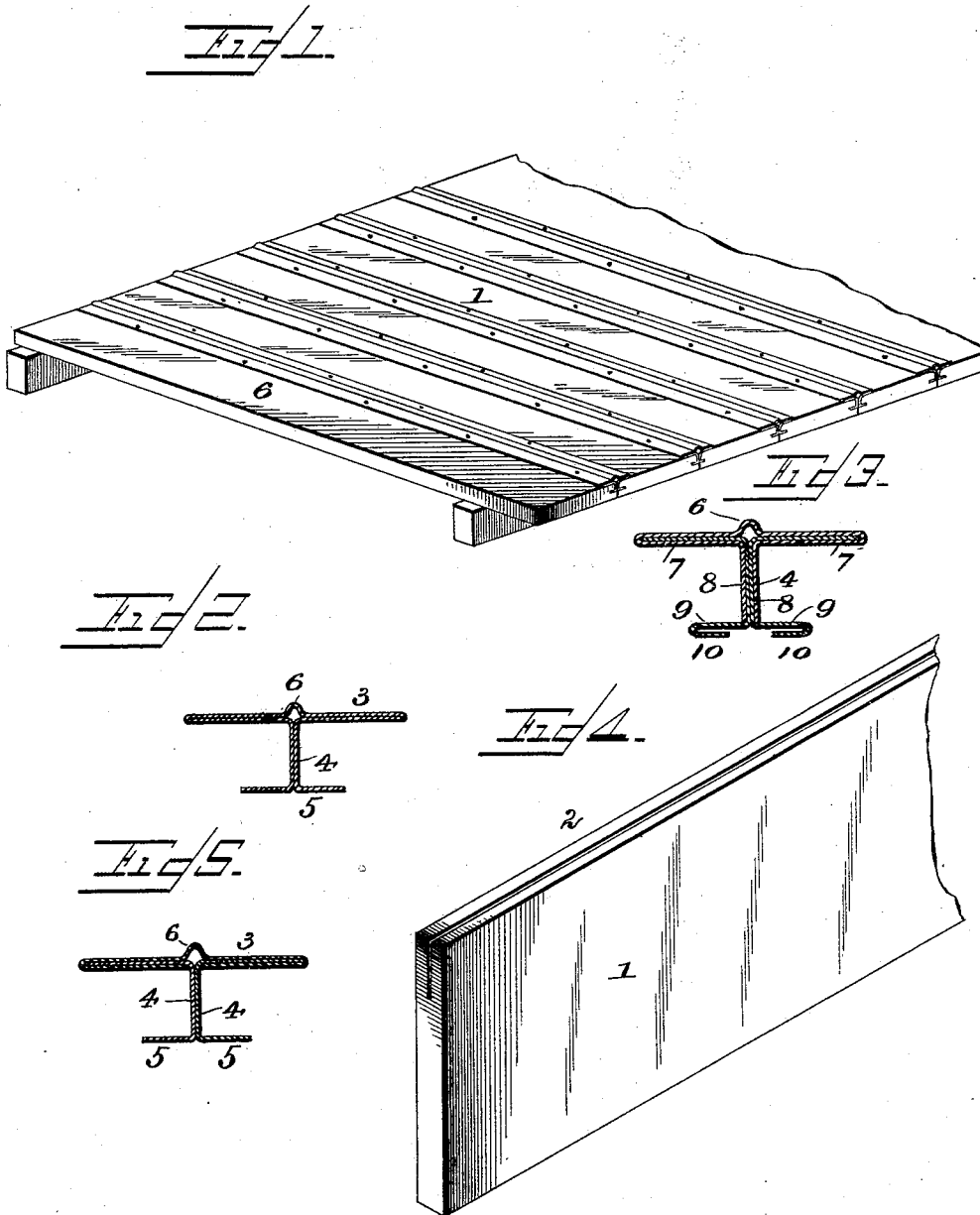


(No Model.)

W. H. JELLISON.
ROOFING JOINT.

No. 484,320.

Patented Oct. 11, 1892.



WITNESSES:
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UNITED STATES PATENT OFFICE.

WILLIAM H. JELLISON, OF PETROLIA, PENNSYLVANIA.

ROOFING-JOINT.

SPECIFICATION forming part of Letters Patent No. 484,320, dated October 11, 1892.

Application filed March 5, 1892. Serial No. 423,901. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. JELLISON, a citizen of the United States, and a resident of Petrolia, in the county of Butler and State of Pennsylvania, have invented certain new and useful Improvements in Roofing-Joints; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to improvements in metallic joints for the meeting edges of the roofing-boards of cars, houses, and other similar structures, whereby leakage is prevented and the roof rendered more durable.

The invention consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a roof constructed according to my invention. Fig. 2 is a cross-sectional view of the joint detached. Fig. 3 is a similar view of a modified construction of the same. Fig. 4 is a perspective view of one of the roofing-boards. Fig. 5 is a view of another modification.

In the said drawings, the reference-numeral 1 designates the roofing-boards, the edges of which are plain or without the tongue and groove, as is sometimes the case. The edges or sides, however, are formed with longitudinal slots 2, extending from end to end thereof, as seen in Fig. 4, to receive the joint hereinafter described.

The joint consists of a sheet-metal strip having its ends bent inwardly, then downwardly, and then outwardly, forming the head 3, webs 4, and bottom flanges 5. The head 3 is also formed with a central horizontal rib or ridge 6, extending from end to end to permit of expansion and contraction of the joint. In

practice during the operation of constructing the roof the joints are placed between the boards with the heads 3 resting thereon, the webs 4 between the edges thereof, and the flanges 5 inserted in the slots 2. The heads are subsequently secured to the boards by means of nails or other fastening devices.

From the above it will be seen that a very efficient and durable joint is provided which will prevent leakage and otherwise possess superior advantages over roofs as ordinarily constructed.

In the modification shown in Fig. 3 the joint, instead of being made in one piece, as in the case just described, is made in two pieces—that is to say, the head 3 and webs 4 are formed by bending a metal strip, as aforesaid, while the flanges which are inserted in the slots in the boards are formed of two strips, each consisting of a flange 7, vertical portion 8, and outwardly and inwardly projecting portions 9 and 10, as seen in said figure.

In Fig. 5 I have shown another modification similar to Fig. 3, except that portions 8 and 10 are dispensed with.

Having thus described my invention, what I claim is—

1. A sheet-metal joint for roofs, consisting of the head, the horizontal rib, the webs, and the flanges constructed substantially as described.

2. In a roof, the combination, with the boards having horizontal slots in their edges, of the joints consisting of the head having the horizontal rib, the webs, and the flanges, substantially as and for the purpose described.

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

WILLIAM H. JELLISON.

Witnesses:

M. DAILEY,

W. J. VAN NORMAN.