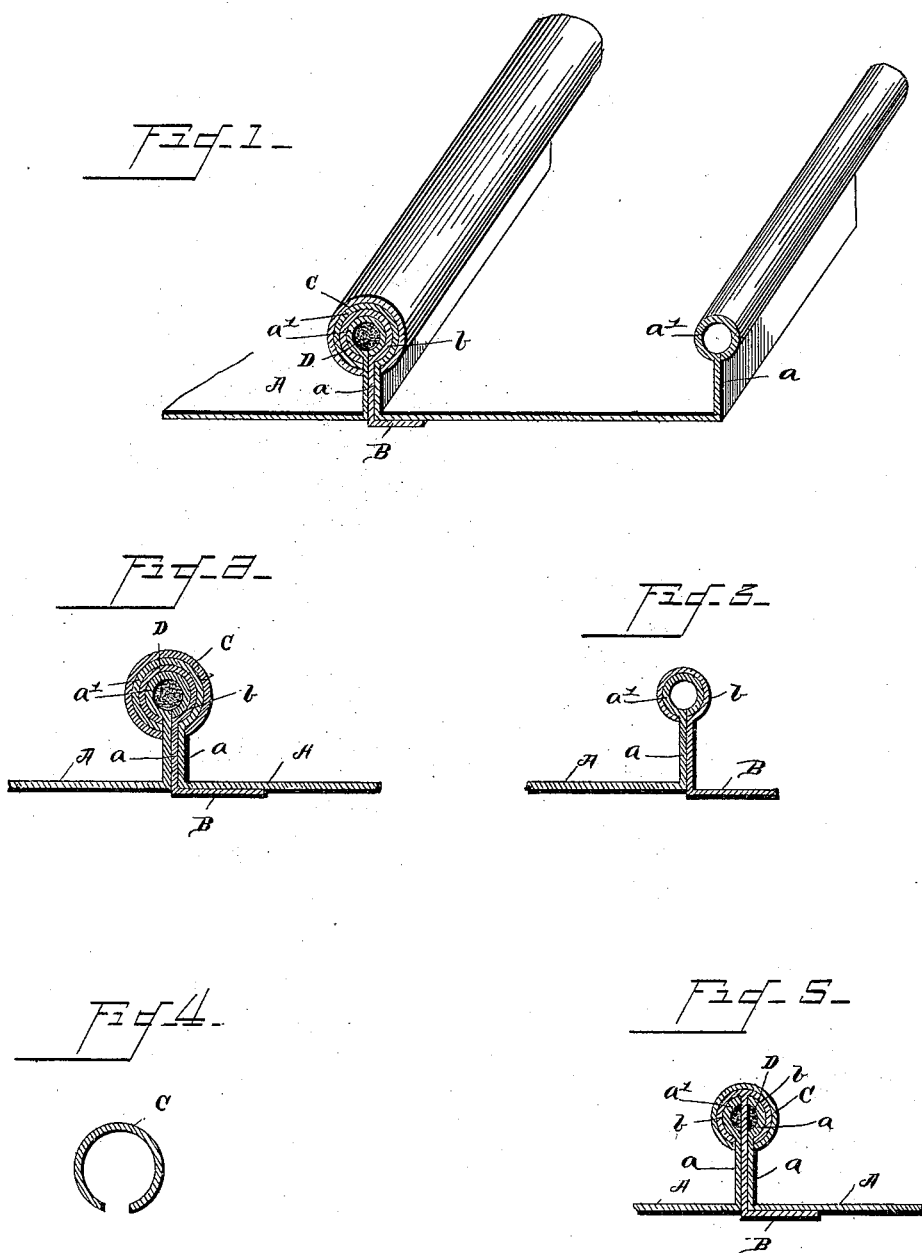


(No Model.)

J. L. FAULHABER.
ROOFING.

No. 419,512.

Patented Jan. 14, 1890.



Witnesses

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JOHN L. FAULHABER, OF FOSTORIA, OHIO.

ROOFING.

SPECIFICATION forming part of Letters Patent No. 419,512, dated January 14, 1890.

Application filed November 12, 1889. Serial No. 330,012. (No model.)

To all whom it may concern:

Be it known that I, JOHN L. FAULHABER, a citizen of the United States, residing at Fostoria, in the county of Seneca and State of Ohio, have invented a new and useful Roofing, of which the following is a specification.

The invention relates to metallic roofing.

The object of the present invention is to provide a metallic roofing in which the sheets will be compactly secured together without liability of their becoming accidentally loosened from a roof by the contraction and expansion of the metal.

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

In the drawings, Figure 1 is a perspective view of a portion of the roof constructed in accordance with the invention. Fig. 2 is a transverse sectional view. Fig. 3 is a similar view showing one of the sheets and an anchor-piece. Fig. 4 is a detail view of the cap. Fig. 5 is a transverse sectional view illustrating a modification of the invention.

Referring to the accompanying drawings by letter, A designates a sheet of roofing having its longitudinal edges *a* bent up vertically and provided along their edges with tubular beads *a'*, around which are clamped similar and slightly larger beads *b* of anchor-pieces B. The anchor-piece B is secured to the sheathing of a roof in the ordinary manner, and its bead or tubular upper edge *b* is clamped around one of the adjacent tubular edges, which is made slightly smaller than the tubular portion of the anchor-piece. The other adjacent edge of the opposite sheet A is provided with a bead or tubular portion that is slightly larger than the similar portion of the angular piece, and this tubular portion *a* is clamped around the anchor-piece, and the edge of the plate arranged within the anchor-piece, thereby forming a firm and compact seam, the parts of which support and brace each other and securely prevent the sheet being torn accidentally apart and becoming separated from the anchor-piece. The beads or tubular por-

tions of the anchor-piece and the sheets need not be complete tubes, but may be constructed as illustrated in Fig. 5, and in this case the vertical portion of the anchor-piece B is preferably secured to the top of its tubular portion, which then curves down upon both sides of the anchor-piece and is adapted to inclose semicircular edges of the sheet A and form a compact circular seam. The tubular top of the anchor-piece and edges of the sheets A are clamped and secured together by tubular caps C. By this construction a perfectly solid and compact seam, possessing great strength and stiffness and capable of evenly distributing the expansion and contraction, is provided.

A round cylindrical piece of packing D, which is soaked in any suitable water-proof or cement, is inserted in the tubular opening of the seams and renders the joint perfectly water-tight.

From the foregoing it will readily be seen that a metallic roofing constructed in accordance with this invention is simple and inexpensive in construction, adapted to be readily attached to an ordinary roof, and is capable of receiving a packing that will render the seam perfectly water-tight.

Having described my invention, what I claim is—

1. In a metallic roofing, the combination of an anchor-piece provided at its upper edge with a tubular bead *b*, the sheets A, arranged adjacent to the anchor-piece and having their upper edges provided with curved beads or edges conforming to the configuration of the tubular bead of the anchor-piece, and a tubular cap fitting over the anchor-piece and the edges of the sheet, substantially as described.

2. In a metallic roofing, the combination of an anchor-piece provided with the tubular bead *b*, and sheets arranged upon each side of the anchor-piece and provided with similar beads *a*, conforming to the configuration of the bead *b* and adapted to fit the same, and a tubular cap inclosing the edges of the anchor-piece and sheets, substantially as described.

3. In a metallic roofing, the combination of

the anchor-piece provided with a tubular
bead *b*, the sheets provided with similar beads
a, adapted to fit within or around the beads
b, a tubular cap *C*, and a cylindrical piece of
5 packing arranged within the tubular seam,
substantially as described.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in
presence of two witnesses.

JOHN L. FAULHABER.

Witnesses:

DAVID R. BALLMER,
THOMAS HESSEY.