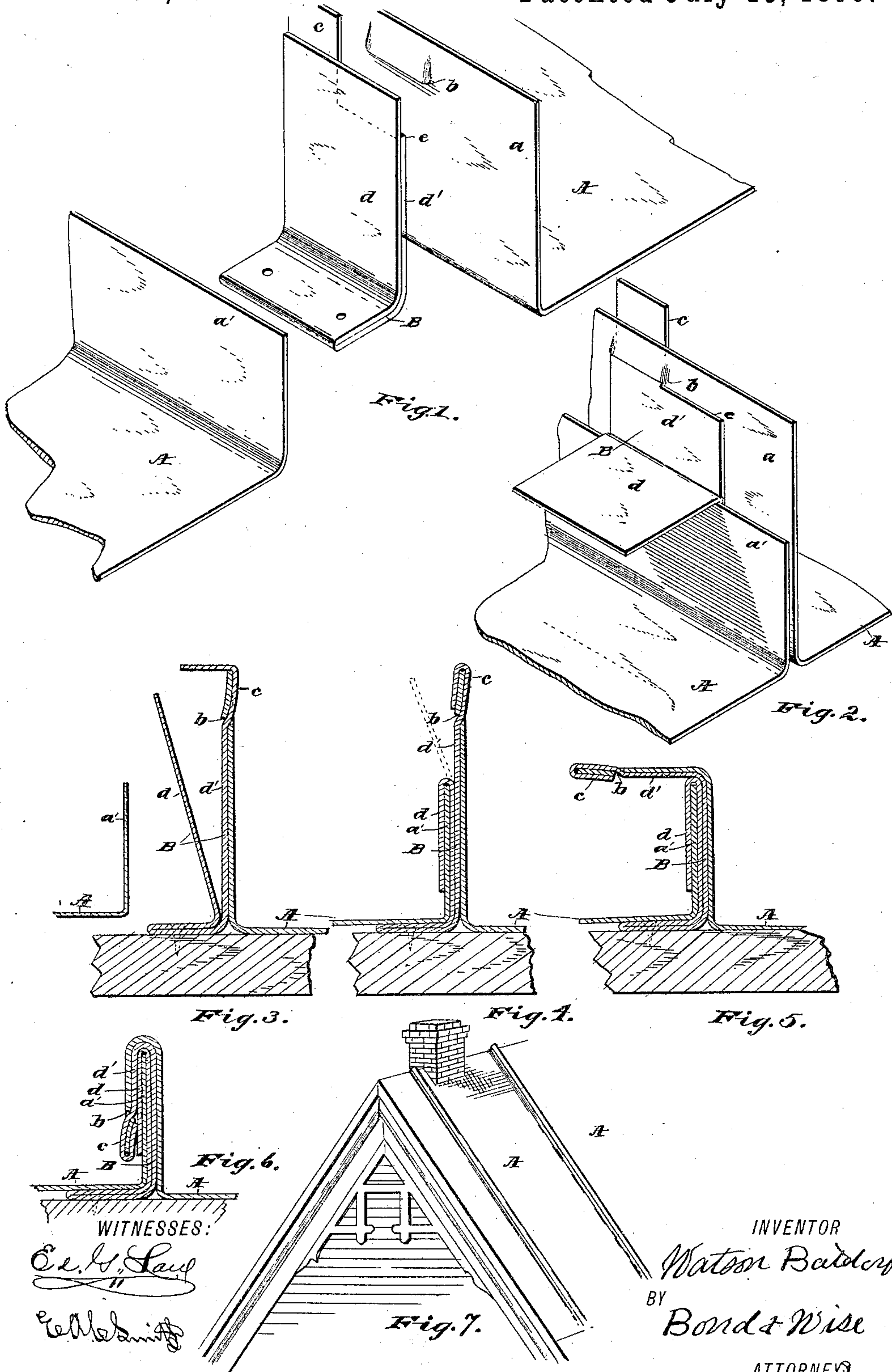


(No Model.)

W. BATDORFF.
SHEET METAL ROOFING.

No. 432,176.

Patented July 15, 1890.



UNITED STATES PATENT OFFICE.

WATSON BATDORFF, OF CANTON, OHIO.

SHEET-METAL ROOFING.

SPECIFICATION forming part of Letters Patent No. 432,176, dated July 15, 1890.

Application filed June 17, 1889. Serial No. 314,622. (No model.)

To all whom it may concern:

Be it known that I, WATSON BATDORFF, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Sheet-Metal Roofing; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a view of the sheets and anchor, showing the same apart. Fig. 2 is a view showing the anchor placed in position and one of its parts partially folded. Fig. 3 is a transverse section of the roofing-sheets, showing the anchor placed in position and partially folded. Fig. 4 is a transverse section of the sheets, showing the anchor-sections properly folded. Fig. 5 is a transverse section showing the seam partly formed. Fig. 6 is a view in section, showing the seam properly formed. Fig. 7 is a view showing the seam formed.

The present invention has relation to sheet-metal roofing; and it consists in the different parts and combinations of parts herein-after described, and particularly pointed out in the claim.

Similar letters of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, A represent portions of the roofing-sheets, which may be formed of any desired length; or, if desired, these sheets may be formed in sections and the sections properly united at their ends by suitable cross-seams or locks. One side of the sheet A is provided with the tongued-up portion *a*, and at the point where anchors are to be placed said tongued-up portion *a* is provided with the slit *b*, which is for the purpose of passing the tongue *c* through, as illustrated in Fig. 2.

The anchor B is formed double, thereby forming the sections or leaves *d* and *d'*. The section *d'* is provided with the tongue *c*, which is formed long enough to pass a short distance above the top or upper edge of the tongued-up portion *a* and be bent or folded over said tongued-up portion *a*. The top of the section or leaf *d* is drawn a short distance away from the section *d'* for the purpose of properly folding the tongue *c*, as illustrated in

Fig. 3, at which time said section *d* is pressed or forced back against the section *d'*, when the adjacent sheet provided with the tongued-up portion *a'* is placed in the position illustrated in Fig. 2, at which time the section or leaf *d* is bent or folded over the tongued-up portion *a'*, as illustrated in Figs. 4, 5, and 6.

The tongued-up portion *a*, which extends above the tongued-up portion *a'*, is bent or folded over the tongued-up portion *a'*, as illustrated, Fig. 6, and at the same time the leaf *d'*, together with its tongue, is carried with the tongued-up portion *a* over the tongued-up portion *a'*.

It will be understood that the anchor B is to be securely nailed or otherwise fastened to the sheeting of the roof proper.

As shown, the tongue *c* is cut or formed at one side of the anchor B and it will be understood that the same object can be accomplished by forming said tongue at any other place; but I prefer to form it as illustrated in the drawings. The shoulder *e* is for the purpose of abutting against the tongued-up portion *a*, and thereby securely locking the sheet to which the tongue *c* is attached and prevent any displacement of said sheet. The part of the tongued-up portion *a* above the slit *b* should be sprung a little to one side for the purpose of more easily entering the tongue *c*.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the sheets A, provided with the tongued-up portions *a* and *a'*, the anchors B, having sections or leaves *d* and *d'*, said sections being united at their bottom or lower ends and formed of a continuous strip of metal, the tongue *c*, adapted to pass through the slot *b* and folded over the tongued-up portion *a*, the leaf *d*, adapted to be folded over the tongued-up portion *a'*, the shoulder *e*, adapted to lock the anchors B in position, and the tongued-up portion *a* folded over the tongued-up portion *a'*, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WATSON BATDORFF.

Witnesses:

E. A. C. SMITH,
F. W. BOND.