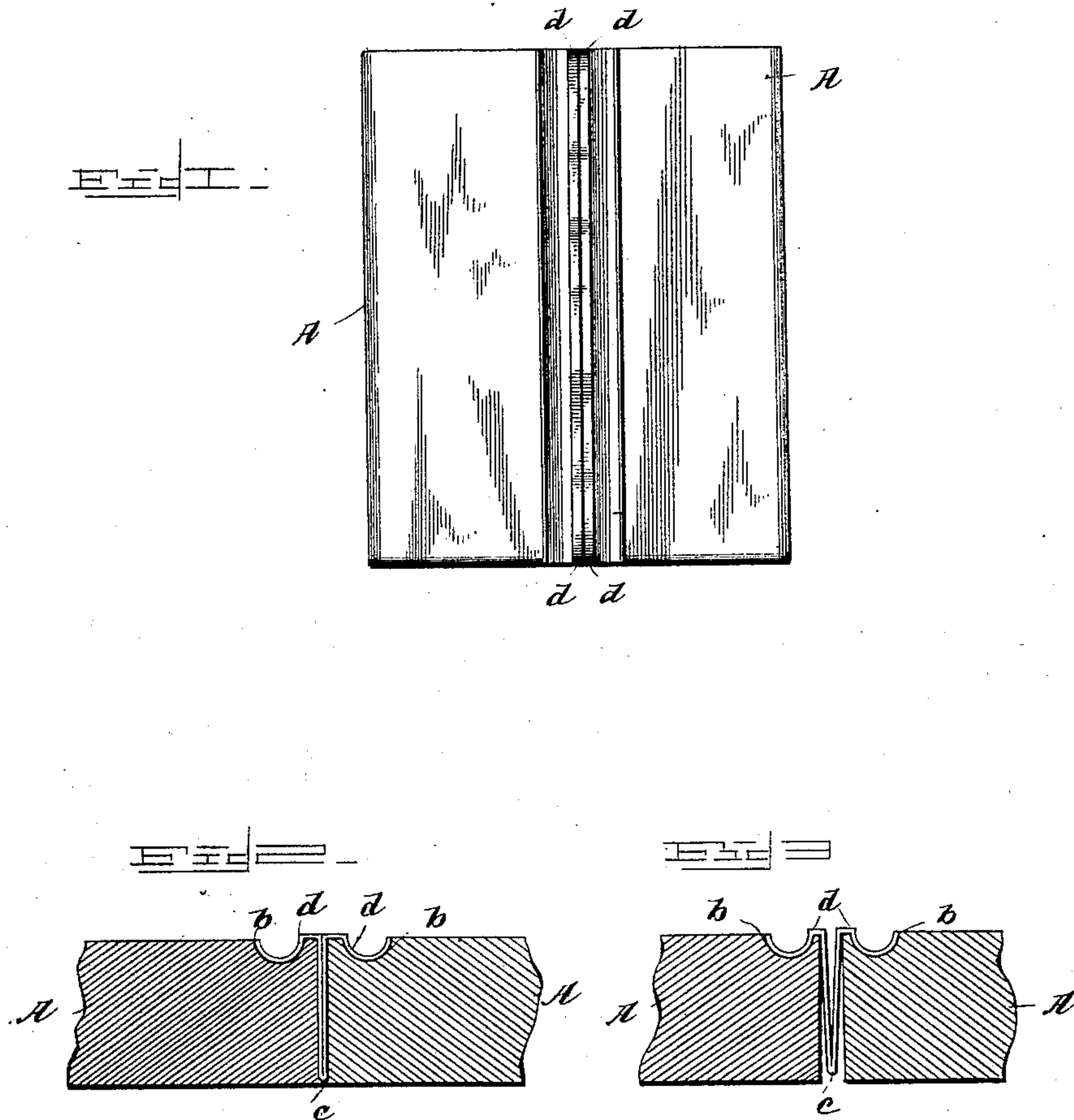


(No Model.)

T. R. CARSKADON.
ROOFING.

No. 429,013.

Patented May 27. 1890.



Witnesses
Paul H. Stevens
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UNITED STATES PATENT OFFICE.

THOMAS R. CARSKADON, OF KEYSER, WEST VIRGINIA.

ROOFING.

SPECIFICATION forming part of Letters Patent No. 429,013, dated May 27, 1890.

Application filed January 22, 1890. Serial No. 337,702. (No model.)

To all whom it may concern:

Be it known that I, THOMAS R. CARSKADON, a citizen of the United States of America, residing at Keyser, in the county of Mineral and State of West Virginia, have invented certain new and useful Improvements in Roofing, of which the following is a specification, reference being had therein to the accompanying drawings.

10 My invention pertains to an improvement in roofing; and it consists in the novel construction and combination of the parts, as hereinafter more fully shown and described.

15 In the accompanying drawings, Figure 1 is a plan view of my improved roofing. Fig. 2 is a sectional end elevation of the same. Fig. 3 is a similar view showing the action of my fastener when the roofing-boards are contracted by heat or cold.

20 In the embodiment of my invention I employ ordinary roofing-boards A A, having formed near each longitudinal edge thereof a recess or groove *b*, which serves as a channel or drain for the water. The roofing-boards are secured together by means of metallic strips formed into approximately T-shaped fasteners, the lower end *c* of which is interposed between the meeting edges of the boards A A. The upper horizontal arms *d d*
30 are then bent downward to conform to the

contour of the longitudinal recess or groove *b*, thus forming a fastener for the boards, as well as a shield to prevent the water from entering the cracks or joints. In the summer, when the boards are contracted by heat, the lower vertical folded ends *c* will spread apart, forming a U-shaped recess between the boards and a water-tight joint.

Thus a very efficient and inexpensive roofing is constructed.

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

The roofing for houses and other structures, composed of the roofing-boards having the recesses or grooves near each longitudinal edge, and the approximately T-shaped fastener formed of a single strip of metal, and having its vertical end interposed between the roofing-boards and its horizontal ends bent to conform to the recesses near the edges of the boards, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS R. CARSKADON.

Witnesses:

J. CARSKADON,
J. T. CARSKADON.