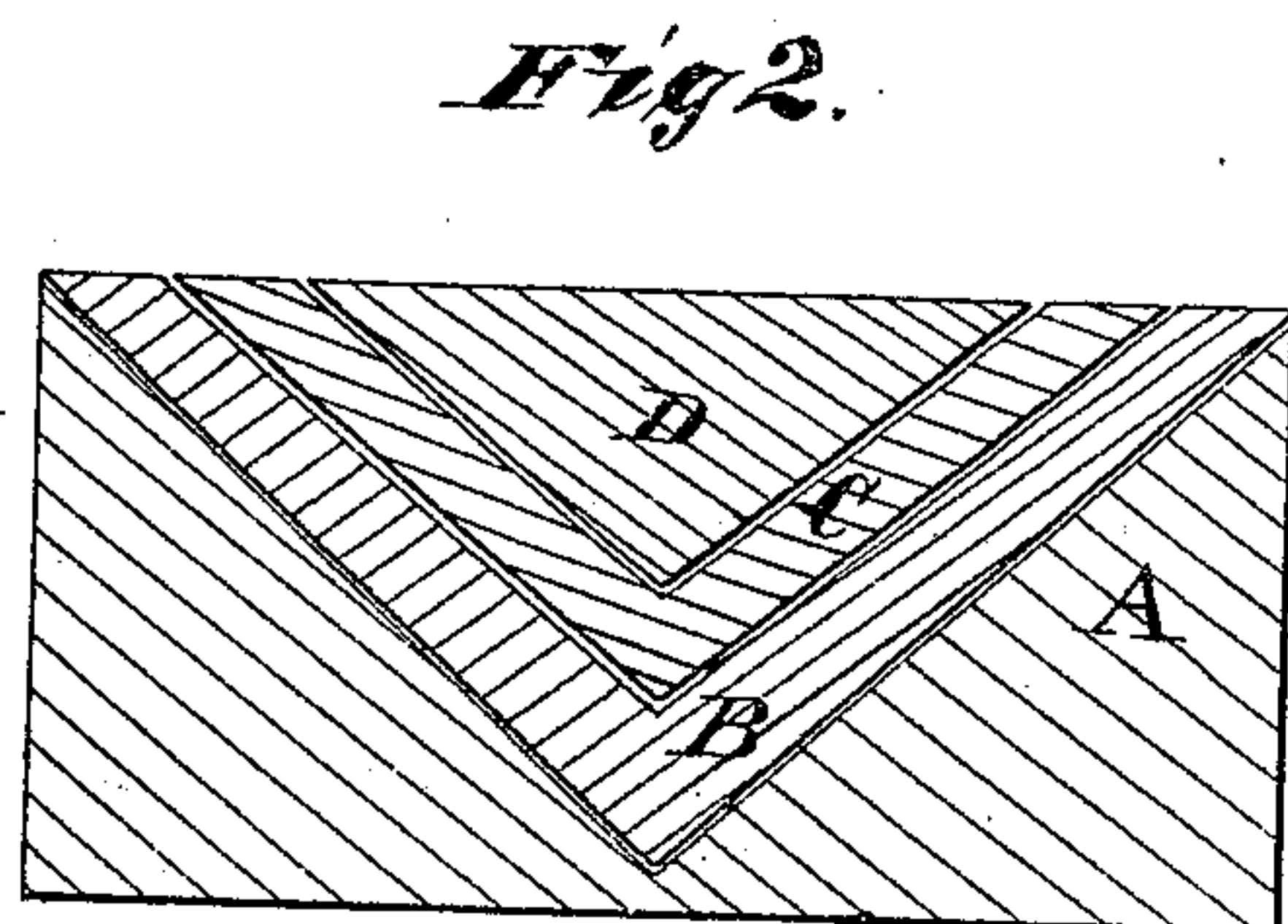
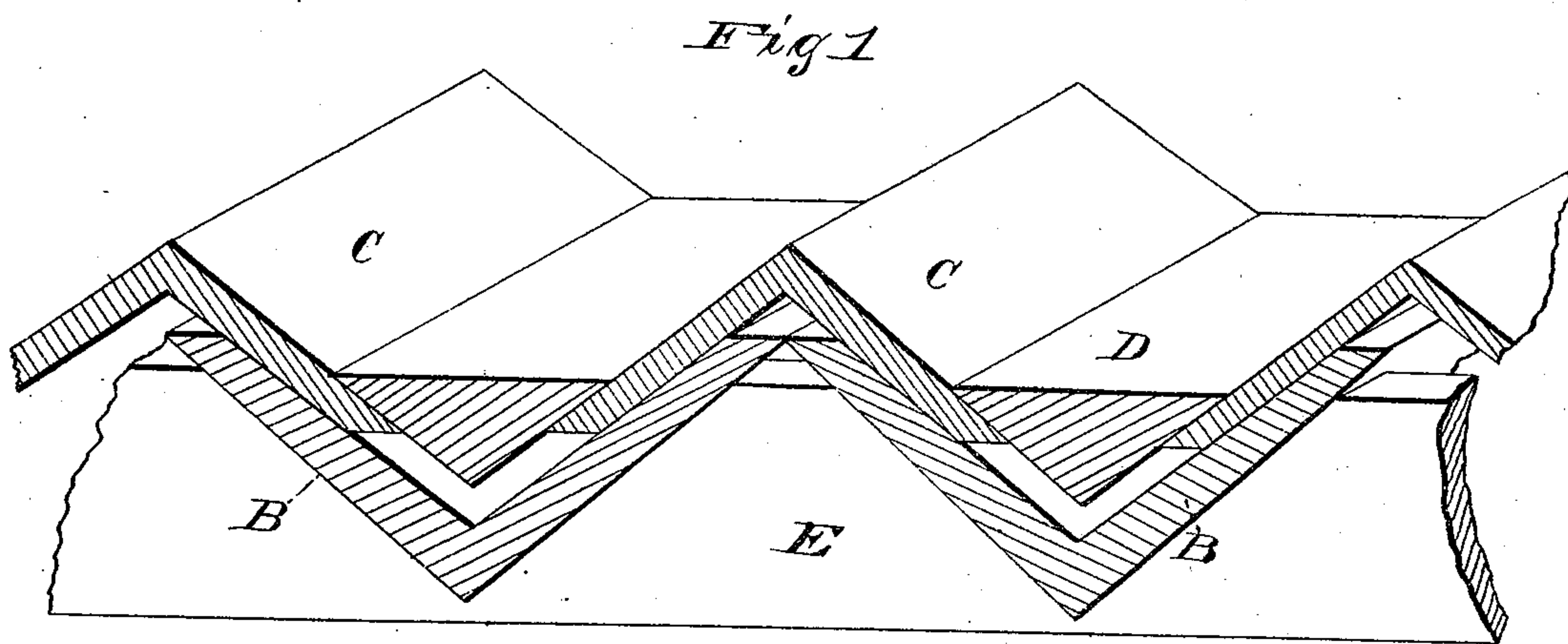


R. BENTLEY.
BATTEN ROOF OR WALL.

No. 184,576.

Patented Nov. 21, 1876.



WITNESSES

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UNITED STATES PATENT OFFICE.

RANDALL BENTLEY, OF OWEN SOUND, ONTARIO, CANADA.

IMPROVEMENT IN BATTEN ROOFS OR WALLS.

Specification forming part of Letters Patent No. **184,576**, dated November 21, 1876; application filed May 13, 1876.

To all whom it may concern:

Be it known that I, RANDALL BENTLEY, of the town of Owen Sound, in the county of Gray, in the Province of Ontario, in the Dominion of Canada, have invented certain new and useful Improvements in the Construction of Roofs and Walls for Buildings; and I do declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention relates to a mode of forming roofs and walls from troughs and battens sawed from solid timber, as will be hereinafter more particularly described.

In the annexed drawings, making part of this specification, Figure 1 represents a perspective view of a portion of a roof or wall, and Fig. 2 an end view of the timber from which the parts forming the same are sawed.

In the figures, A represents a block of timber of any suitable length. From this block, and lengthwise of it, are sawed the two troughs B and C and the battens D. E represents a scantling or joist, upon which the roof is placed. These scantlings are cut with joining V-shaped openings upon an angle with the larger troughs B B. The troughs B B are

laid upon these joists in their openings, with their vertices downward and their upper edges adjoining. The troughs C C are then placed over the joints of troughs B B, with their vertices upward, for the purpose of breaking the joints. The battens D D are then placed, as seen, between the troughs C C and secured, their vertices being downward, so as to confine the lower edges of the troughs C C, to prevent their bending or warping. When these troughs B and C and the battens D are secured in position upon the joist as constructed, a roof or wall is formed which is impervious to water.

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

A roof or wall formed of the troughs B and C and the battens D D, connected and arranged substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 4th day of May, 1876.

RANDALL BENTLEY.

Witnesses:

ORLANDO HUFFMAN,
B. G. McKINZIE.