

(No Model.)

E. W. DAILY.

ROOF BRACKET.

No. 302,896.

Patented Aug. 5, 1884.

Fig:1.

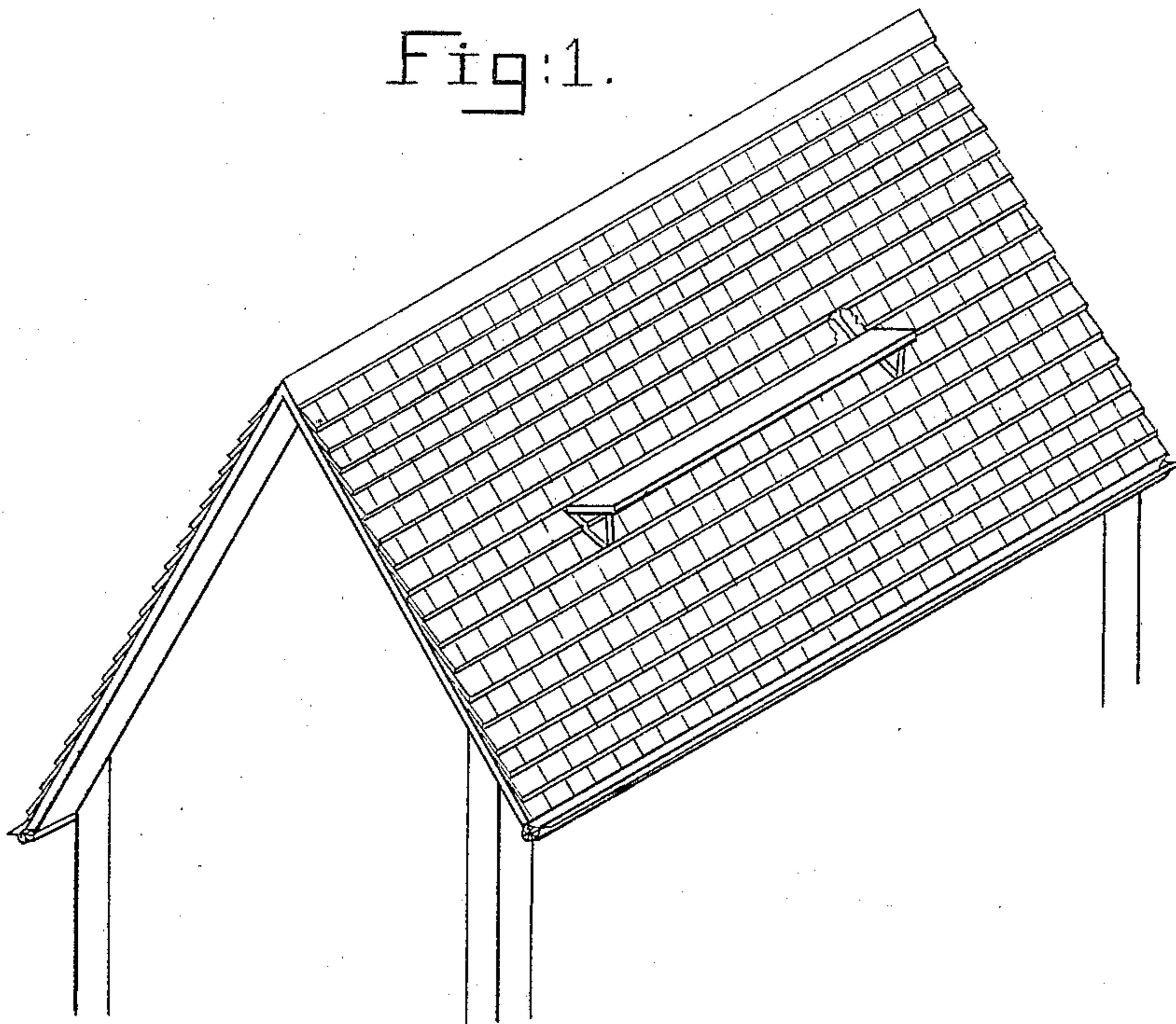
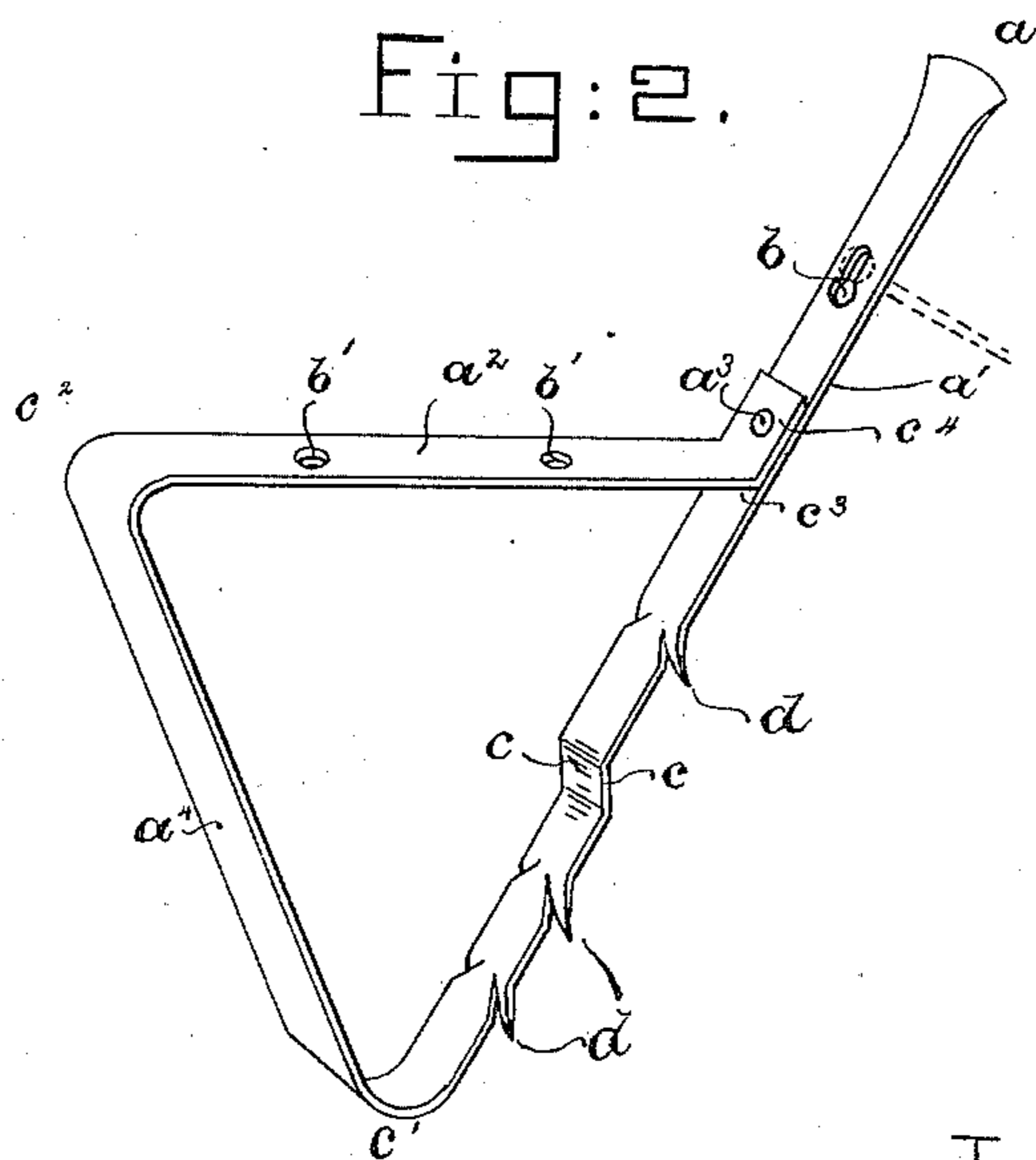


Fig:2.



Witnesses
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UNITED STATES PATENT OFFICE.

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ROOF-BRACKET.

SPECIFICATION forming part of Letters Patent No. 302,896, dated August 5, 1884.

Application filed February 25, 1884. (No model.)

To all whom it may concern:

Be it known that I, EBEN W. DAILY, of West Berlin, county of Worcester, State of Massachusetts, have invented an Improvement in Roof-Brackets, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

My invention relates to roof-brackets, and has for its object the construction of a bracket adapted to be more securely and snugly held to the roof, substantially as will be hereinafter described, and particularly pointed out in the claim.

Figure 1 is a perspective view of a shingled roof, showing a board or platform supported in position thereon by means of my improved brackets; and Fig. 2 is a perspective view of one of the said brackets on a larger scale.

My improved bracket is formed, substantially as shown, from a strip or bar of metal, the end *a* of which is passed between two rolls or surfaces, which flatten, spread, and reduce its end to an edge, as shown, to enable said end to be readily inserted, driven, or forced between two layers of shingles, as indicated in Fig. 1. The strip of metal is then punched to provide the elongated hole or eye *b* and the holes *b'*. The said holes having been punched through the metal or bar, the latter is bent at *c'*, *c''*, and *c'''* to form what I shall denominate the "base" *a'*, the "brace" *a''*, the "step" or "rest" *a'''*, and the "foot" *c'*, and the latter is secured to the base *a'* by a rivet, *a'''*. As the bar is being bent as described, the base *a'* is bent to form the shoulder *c* to adapt the base to conform to and rest closely upon two layers of shingles of the roof at the point where the upper layer overlaps the lower one.

The edges of the base are cut diagonally, and the acute-angled portions so formed are bent or turned downward to form spurs or prongs *d* integral with the base, the said prongs being adapted to penetrate the shingles, and projecting from the base in such direction as to enter the shingles farther and farther, in accordance with the weight ap-

plied to the bracket. The holes *b'* permit the board to be secured to the bracket, and the slot *b* enables the said bracket to be removably engaged upon a strong nail or screw inserted in the roof, the nail or screw being first passed through the slot *b* and then inserted into the roof, the nail being used only when boarding a roof. The nail is shown dotted in Fig. 2.

By means of the shoulder *c* and the holding-spurs *d*, I am enabled to provide a very strong and reliable roof-bracket at but a small cost.

The shoulder *c* permits the base to fit and rest on the roof its entire length, and the spurs *d* are forced into the roof by the superincumbent weight, distributing the points of support and preventing any side or rocking motion of said brackets.

I am aware that it is not new to make a shingling-bracket of a single strip of metal bent as herein described, and having the step portion riveted to the base. Such bracket also had its base provided with elongated eyes, and was adapted, by means of a pronged clamping device, to be retained on the roof.

I am also aware that the base portion of a triangular bracket has been provided with prongs to enter the roof to retain such bracket on the roof; therefore I do not broadly claim these constructions as of my invention.

I claim—

In a shingling-bracket comprising a bar bent substantially as shown, and having the base *a'*, the edges of which are cut diagonally, and the acute-angled portions so formed bent or turned downward to form spurs or prongs *d* integral with the base to penetrate the shingles, and projecting from the base, as shown, to enter the shingles farther and farther, in accordance with the weight applied to the bracket, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EBEN W. DAILY.

Witnesses:

JOHN T. DAME,
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