W. D. WALKER.
Shingling Bracket.

No. 214,330. Patented April 15, 1879.

Fig. 1.

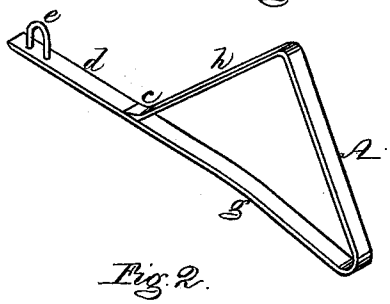


Fig. 2.

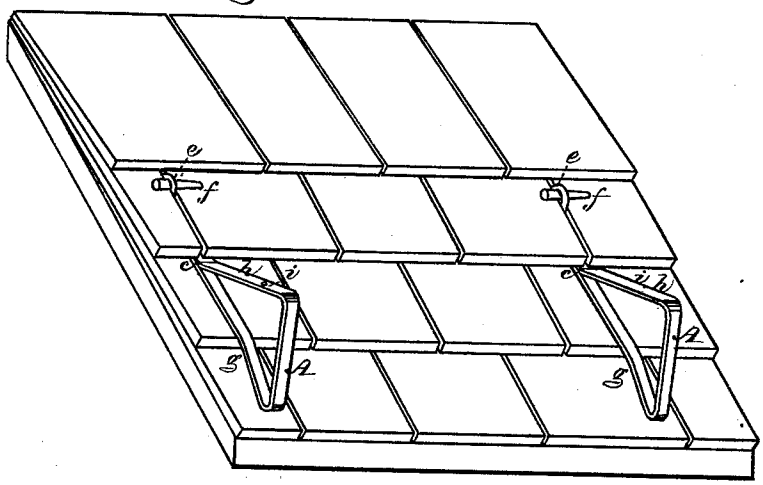


Fig. 3

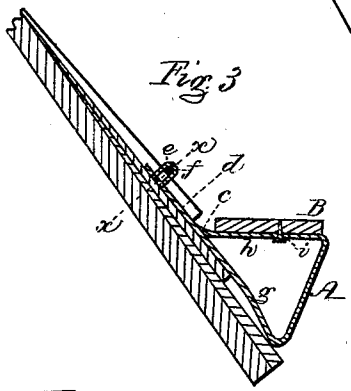
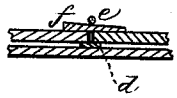


Fig. 4.



Witnesses,
Chas. E. Griffin
W. J. Cambridge

Inventor,
Winslow D. Walker
per Teschemacher & Stearns
Attys

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WINSLOW D. WALKER, OF MARLBOROUGH, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND GEORGE N. CATE, OF SAME PLACE.

IMPROVEMENT IN SHINGLING-BRACKETS.

Specification forming part of Letters Patent No. **214,330**, dated April 15, 1879; application filed May 11, 1877.

To all whom it may concern:

Be it known that I, WINSLOW D. WALKER, of Marlborough, in the county of Middlesex and State of Massachusetts, have invented an Improved Shingling-Bracket, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of my improved shingling-bracket. Fig. 2 is a perspective view of a portion of a roof with my improved brackets applied thereto. Fig. 3 is a section through my improved bracket applied to a roof. Fig. 4 is a section on the line *x x* of Fig. 3.

My invention has for its object to provide a simple and efficient device for supporting a staging upon a roof, for use in shingling, or for other purposes; and consists in a bracket having a projecting metallic strip or arm, which is inserted beneath the shingles, and is provided with a staple or lug, which projects up through the space or joint between two contiguous shingles, where it is secured by a pin or other locking device passing through or attached to it, and bearing on the upper surface of the shingles, so as to create sufficient friction to prevent slipping.

To enable others skilled in the art to understand and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A represents a bracket, which is composed of a strip of metal bent into the form of a triangle, as seen in Fig. 1, one end of the strip being secured at the corner *c* by solder or otherwise. The other end of the strip projects out from the corner *c* of the bracket, forming an arm, *d*, which is provided near its outer extremity with a staple, *e*.

When the bracket is to be used, the outer end of the arm *d*, which is tapered to an edge, is inserted beneath the shingles, and the staple *e* entered within the space or joint between two contiguous shingles of a course. The bracket is then forced up into the position seen in Figs. 2 and 3, and a pin, *f*, or an ordinary board-nail, is passed through the upper portion of the staple, which projects above the surface of the shingles beneath which the arm *d* is placed. This pin *f* when in place, as seen in Figs. 2 and 3, bears upon the surface of the shingles, and serves to lock the bracket in place, as any force or pressure which acts upon the bracket to withdraw it causes the pin to bear on the surface of the shingles with increased friction, on account of their tapering or wedge form, and all liability of slipping is thus avoided.

The central portion, *g*, of the lower side of the bracket is curved slightly upward, in order to clear the edge of the shingles at this point, and allow the lower corner of the bracket to have a firm bearing on the roof.

When two or more of these brackets are in place, the staging B, Fig. 3, is so laid as to rest upon and be supported by the upper side, *h*, of each bracket, and this side *h* is provided with an aperture, *i*, for the reception of a nail or pin projecting from the under side of the staging, which is thus prevented from slipping off the bracket.

Instead of the bracket being formed of a strip of metal bent to the required shape, it may be composed of a solid piece of wood or other suitable material, the arm *d* being made separate and afterward secured thereto.

What I claim as my invention, and desire to secure by Letters Patent, as an improvement in shingling-brackets, is—

The bracket A, with its arm *d*, provided with a staple or lug, *e*, adapted to project up through the space between two contiguous shingles on a roof, in combination with a pin or other locking device passing through or attached to the staple or lug, and bearing upon the upper surface of the shingles, substantially as set forth.

Witness my hand this 8th day of May, A. D. 1877.

WINSLOW D. WALKER.

In presence of—
E. C. WHITNEY,
E. R. ALLEY.