

A. J. CONNELLEY.

Improvement in Roofing-Brackets.

No. 127,960.

Patented June 18, 1872.

Fig. 1.

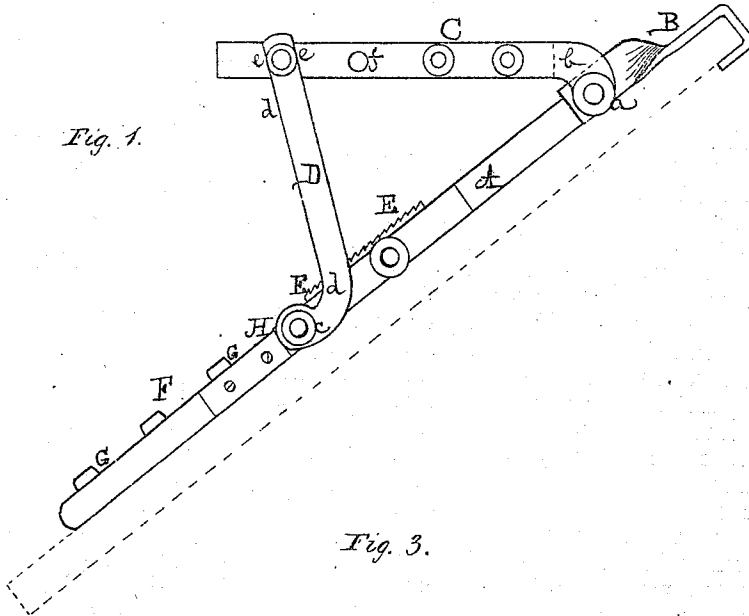


Fig. 3.

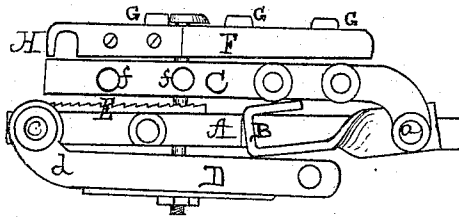
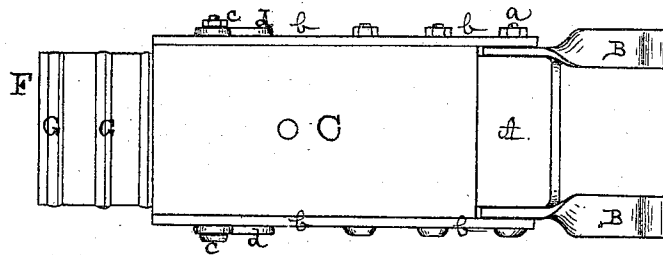


Fig. 2.



Witnesses:

Jacob E. Schiedt.

Harry M. Wiedersheim

Inventor:

Arthur J. Connelley,
by Joshua Wiedersheim
att'y.

UNITED STATES PATENT OFFICE.

ARTHUR J. CONNELLEY, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN ROOFING-BRACKETS.

Specification forming part of Letters Patent No. 127,960, dated June 18, 1872.

To all whom it may concern:

Be it known that I, ARTHUR J. CONNELLEY, of the city and county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Roofing-Brackets; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand, make, and use the same, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is a side view of the device, illustrating my invention. Fig. 2 is a top view thereof. Fig. 3 is a side view, showing the parts in a folded state.

Similar letters of reference indicate corresponding parts in the several figures.

This invention consists in constructing the bracket of hinged parts, so that it can be made firm and durable in working position, easily adjusted to the pitch of roofs, and readily folded in compact form for transportation. It also consists of safety toothed bars arranged to hold the upright against the base in case that the bolt thereof breaks or is accidentally detached. It also consists in a cleat-board to be attached to the bracket.

Referring to the drawing, A represents the base of the bracket, which is adapted to lie on the boards or roof on which the device is to be used. The base consists of a piece of wood or other material, and has hinged to its upper or forward end one or more hooks, B, which are preferably constructed of flat pieces of metal bent into hook-shape and having their wide sides laid against the base A, with a bolt, *a*, passing through said portions or sides, whereby I obtain a strongly-constructed and reliably secure hook by which the bracket is held in place either from the sides of the board or holes, or notches formed therein. To the forward or upper end of the base is also hinged the platform C, which consists of a flat piece of board or other material, to the sides of which are secured irons *b b*, which brace and strengthen the platform and form the medium for hinging the same to the base. To the lower or rear end of the base is hinged, by bolt *c c*, an upright or support, D, which is braced between irons *d d*, by which it is hinged to the base. It is adapted to be swung toward the free end of

the platform C, and, by means of bolt or fastening *e e*, to support said end, whereby the platform may be firmly held in a horizontal position. A series of horizontal openings, *f*, are formed in the platform so that it can be adjusted relatively to the pitch of the roof, and to accomplish this more fully the irons *d* are curved at the hinged ends, so that, by removing the upright and replacing it with the curvature in the direction opposite to that shown in the drawing, the platform may be made to assume a horizontal position at some angle or pitch of a roof, which could not be accomplished were the upright not reversible. On the upper face of the base A I form one or more toothed bars, E, which are arranged to be below the body of the upright D, so that, should the bolt *c* break, the weight of the platform would cause the upright to drop on and rest firmly against the toothed bar or bars, which prevents slipping of said upright and provides at least temporary means of safety for the workmen. The sides of the base A are cut away to form spaces in which the hooks B will rest when the device is to be folded. In this case the bolt *e* will be removed. Then disengage the platform and upright, lower the platform on the base, and swing round the upright under the base. The hooks are now between the platform and upright, and, by means of a bolt running vertically through the parts and tightening by means of a nut or other fastening, the bracket is bundled, or in compact form for transportation. F represents a cleat-board consisting of a piece of wood or other material, having cleats or strips G secured to its face, and it is adapted to be attached to the base of the bracket. For this purpose hooks or catches H are fixed to the board F and engage with the bolt *c* at the lower end of the base A.

It will be seen that the weight of the bracket and cleat-board will be sustained by the hooks B and that the bracket and board can be readily separated. When the board is not required for use or is to be transported with the bracket it should be laid on the bracket folded as shown in Fig. 3, whereby all parts may be conveniently carried in one compact bundle.

When the workmen have roofed as far as they can reach from the scaffolding or staging erected on the brackets another bracket (or

sets thereof) is to be run up and hung from or or about the highest board of the roofing and scaffolding or staging laid or erected thereon, as usual. This operation is continued as long or often as necessary, and during the same the cleat-board affords convenient and safe access from the boards or scaffolding on the bracket below to the bracket or scaffolding above, and vice versa.

My invention may be used in connection with the scaffolding or brackets built from ordinary timber, but this is not necessary to the successful operation of the device stated.

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

1. The combination of the base A, platform C, upright D, and hook or hooks B, the parts being hinged to each other, made adjustable, and

adapted to be folded, with the platform C on one side of the base and the upright D on the other side, with the hook or hooks B between the parts, the whole operating substantially in the manner and for the purpose described.

2. In combination with the base A, platform C, and upright D, the toothed bar or bars E, arranged in relation to the hinged joint of the upright and base, as set forth, for the purpose described.

3. The removable cleat-board F, in combination with the bracket A B C D, substantially as and for the purpose described.

The above signed by me this 8th day of May, 1872.

ARTHUR JAMES CONNELLEY.

Witnesses:

JOHN A. WEIDERSHEIM,
HARRY M. WEIDERSHEIM.