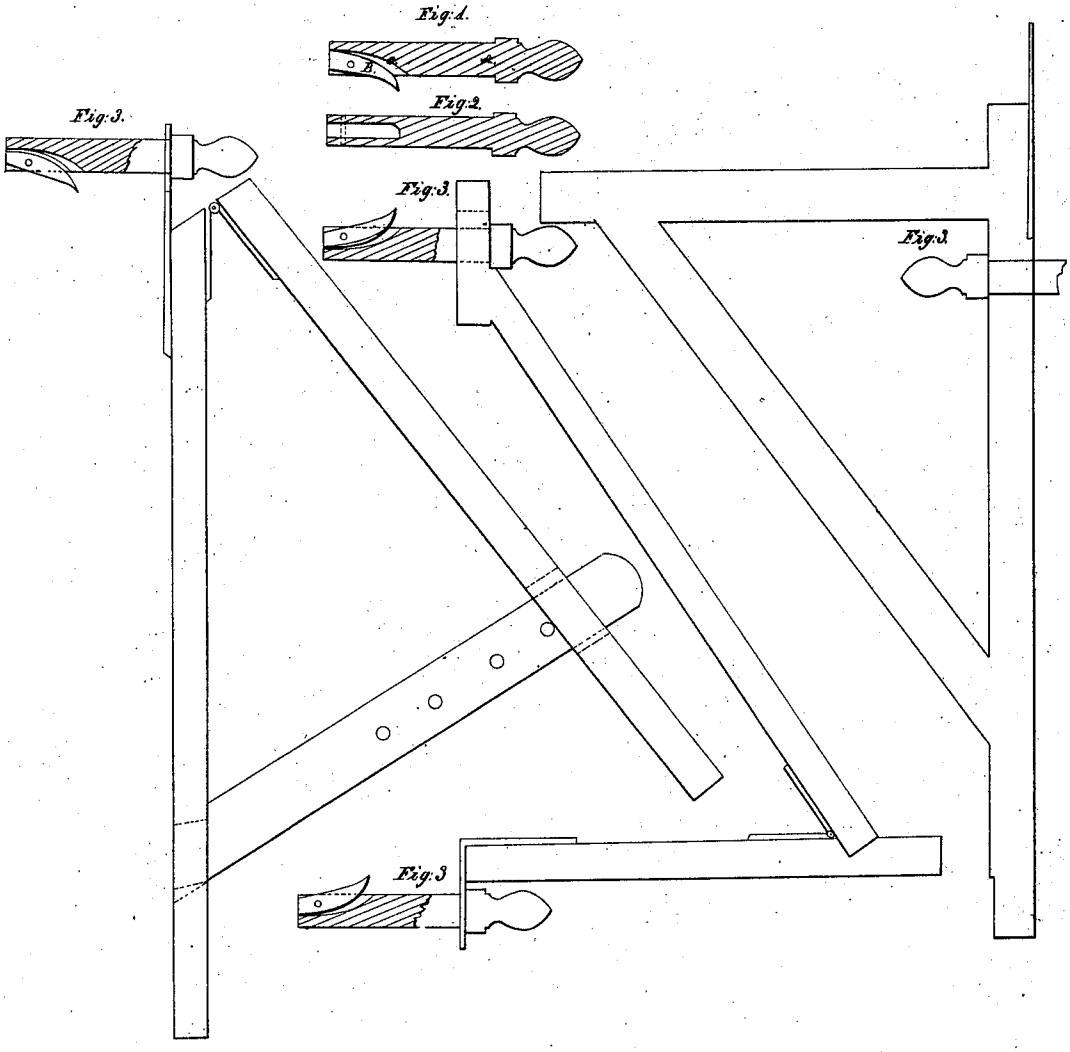
J. W. Kennedy.

Shingling Bracket.

No. 19,700. Patented Mar. 23, 1858



Witnesses:

William Ogar

Kimball Kennedy

Inventor:

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UNITED STATES PATENT OFFICE.

JOHN W. KENNEDY, OF PLAINFIELD, CONNECTICUT.

HOLDING-BOLT FOR CARPENTERS' BRACKETS, &c.

Specification of Letters Patent No. 19,700, dated March 23, 1858.

To all whom it may concern:

Be it known that I, JOHN W. KENNEDY, of Plainfield, in the county of Windham, in the State of Connecticut, have invented a new and Improved Mode of Fastening Carpenters' Brackets to Buildings; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention consists in providing a new and useful improvement in the fastenings to hold carpenters' brackets while the building is being built or repaired. I use the common frame bracket and my improvement and invention I call the self fastener.

My fastener is made of iron or steel or any other suitable metal, a bolt in common form, with a head, in length sufficient to pass through the upright part of the bracket, for the side of buildings, and the lower side of the roof bracket, near their upper ends, or through an iron fastened to the ends of the parts of the brackets above named, and into a timber of the building. The outer end of this bolt is made either with a head, hook or thumb head. About two inches from the inner end of the bolt is a groove, (on the side of the bolt) extending to the inner end. This groove is cut nearly through the bolt, in width about one third of the diameter thereof. In this groove is a dog or pawl, with one end nearly as wide as the groove is deep, the other end forming a sharp edge or point; this point is made with about an eighth twist or spiral turn, forming a spiral point or turn to the dog or pawl. There is a rivet passing through the bolt near the inner end, and through the dog or pawl at the wide or inner end, forming a sort of hinge, keeping the dog in its place and allowing a free motion thereof. Under the pawl or dog in the groove is a spring, fastened at the inner end of the bolt by a rivet or by being dovetailed, the loose end of the spring raising the sharp spiral end of the dog or pawl, so as to form a hook or catch. The bolt is used by passing it through the bracket into a hole made to receive the same, into a timber in the side or roof of the building. This fastener is easily inserted, but cannot be drawn out of the hole in the timber, except by a slight turn, sufficient to press the dog or pawl in the groove, and thus permit the bolt to be drawn out with a spiral motion.

The side bracket is composed of three (3) pieces of joists, the longest four or six feet perpendicular against the building through which is one or more self fasteners placed for the support of the scaffold the other two pieces are placed angularly with the first named, at the pleasure of the maker.

The bracket for the roof has a hinge uniting the ends of two pieces of joists, with a standard framed into the piece or part of the bracket lying on the roof through which the self fastener is placed, with proper gages on the standard to elevate the upper part of the bracket as the pitch of the roof may require. Also a bracket with two pieces of joists with a hinge requiring two fasteners, at the ends of the joists opposite the hinge, each one.

To the brackets and bolt I lay no claim, as they have been long in use.

Figure 1 is a view of the different parts of my self fastener with one side of the bolt removed. Fig. 2 shows the bolt with the dog or pawl shut in the groove. Fig. 3 shows the self fastener in its position while in use.

A is the bolt in Fig. 1.

B is the spiral pointed dog or pawl.

C is the spring causing the dog or pawl to hold the bracket in its place.

o is the rivet holding the dog or pawl in the groove of the bolt.

What I claim as my invention, and desire to secure by Letters Patent, is—

The spiral pointed dog, or pawl, as used with the bolt, to hold and secure carpenters' brackets for fasteners to buildings as hereinbefore set forth.

JOHN W. KENNEDY.

Witnesses:

WILLIAM DYER,

HOMBOLT KENNEDY.