

Title (en)

Joist hanger, return and straddle type joist hangers.

Title (de)

Verbinder für Holzbalken, Verbinder mit Befestigungsbügel und Verbinderpaar mit Zusammenhaltebügel.

Title (fr)

Suspente de solive, suspente avec crochet d'accrochage et double suspente de solive.

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Application

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Priority

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- GB 8525176 A 19851011

Abstract (en)

Two embodiments of non-welded joist hanger are described. The first embodiment (Figures 1 to 9) is made from a constant width sheet metal blank formed to provide a stirrup (13) having a base (14), side walls (15) projecting upwardly and rearwardly from the base, inwardly turned abutment portions (19) formed by slitting the side walls at (20) and abutting the forward face of a supporting wall (13) and large area bearing portions (22) resting on the wall (17). An additional shoe plate (12) is mechanically fixed by tongue and slot or hook interengagement (23,30) and projects back to the supporting wall (17), terminating in a rear flange (25). In a second embodiment, the central portion of the blank is enlarged to provide an integral stirrup base (46) extending rearwardly to the supporting wall and an upturned or downturned central flap (51) at the rear of the stirrup abutting the supporting wall. A return member (65) and a straddle member (70) can be used with the joist hanger to provide return or straddle hangers using purely mechanical inter-engagement without welding. The invention also describes a method of making the blank.

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CPC (source: EP)

E04B 1/2612 (2013.01)

Citation (search report)

- [A] GB 686515 A 19530128 - FREDERICK GARTON TOLMAN
- [A] AU 468708 B2 19751231
- [A] GB 405840 A 19340215 - HARRY CROXFORD
- [A] GB 2126307 A 19840321 - CATNIC COMPONENTS LTD

Cited by

GB2195678A; EP0724045A1; US5555694A; US11920339B2

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