

Title (en)

Rail-fastening system on concrete sleepers or similar by means of elastic clips.

Title (de)

Schienenbefestigung auf Betonschwellen oder dergleichen mittels elastischer Spannklemme.

Title (fr)

Dispositif de fixation de rail sur des traverses en béton ou similaire par des attaches élastiques.

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Application

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Priority

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Abstract (en)

[origin: US5096119A] The invention concerns a rail fastener on concrete ties (4) or the like including resilient tension clamps (6) of steel rods in the form of a W and angled guide plates (3) for the rail base (1a). This so-called HM rail fastener is inventively improved by a special shaping of the tension clamp and angled guide plate, to simplify the securing of the rail on the concrete ties, in that the rotation of the elastic strainers which was previously necessary in HM construction when passing from the preassembly to the assembly position is omitted. This is achieved in that the angled guide plate (3), which is provided with a rib (3a) extending longitudinally to the rail foot for abutment on the rail foot (1a), contains in this rib special recesses (3b) for the reception and retention of the free ends of the tension clamp in the preassembly position. A tension clamp (6) has outer legs (6b) which with expansion of the spacing from the inner legs (6d) against the rail foot (1a) become broader and their free ends (6a) end outside the middle portion (6e) and wherein the inner legs (6d) of the tension clamp (6) which surround the tie screw (5) are designed so that in the preassembly position they abut with their center portion (6e) the shaft (5a) of the tie screw, while the head (5b) of the tie screw (5) overlaps the inner leg (6d) in the assembly position. In a special embodiment, the tension clamp is so designed that its center portion permanently surrounds the tie screw (5), and its inner leg portions are brought together except for a small spacing.

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IPC 8 full level

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