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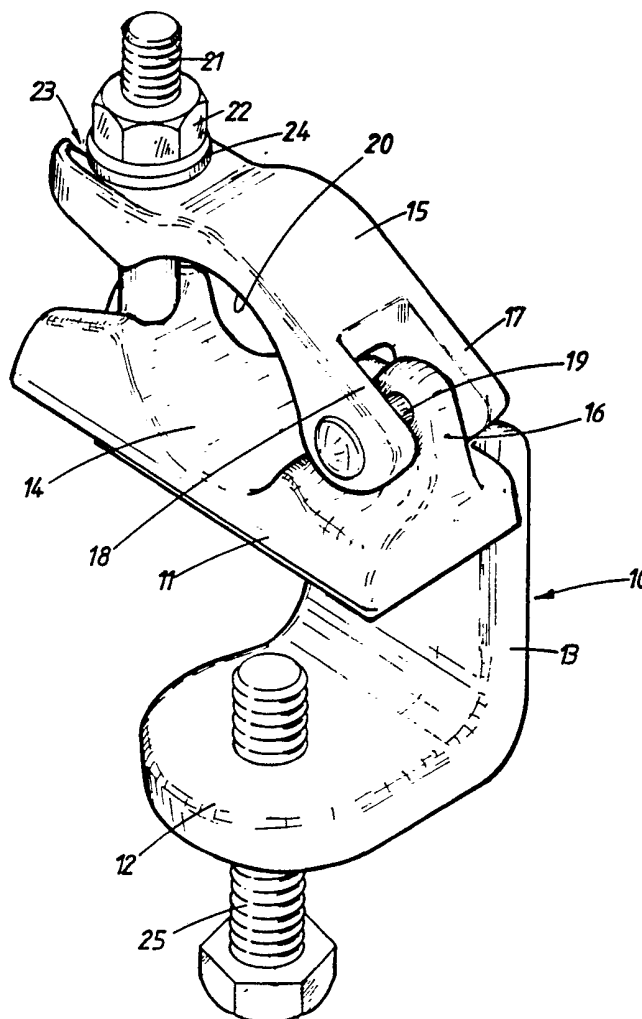
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E2A 370 374 375 379 417 418 GB
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GB A 2132679 GB A 2073309 GB 1598788
GB A 2075587

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(54) Scaffolding clamp

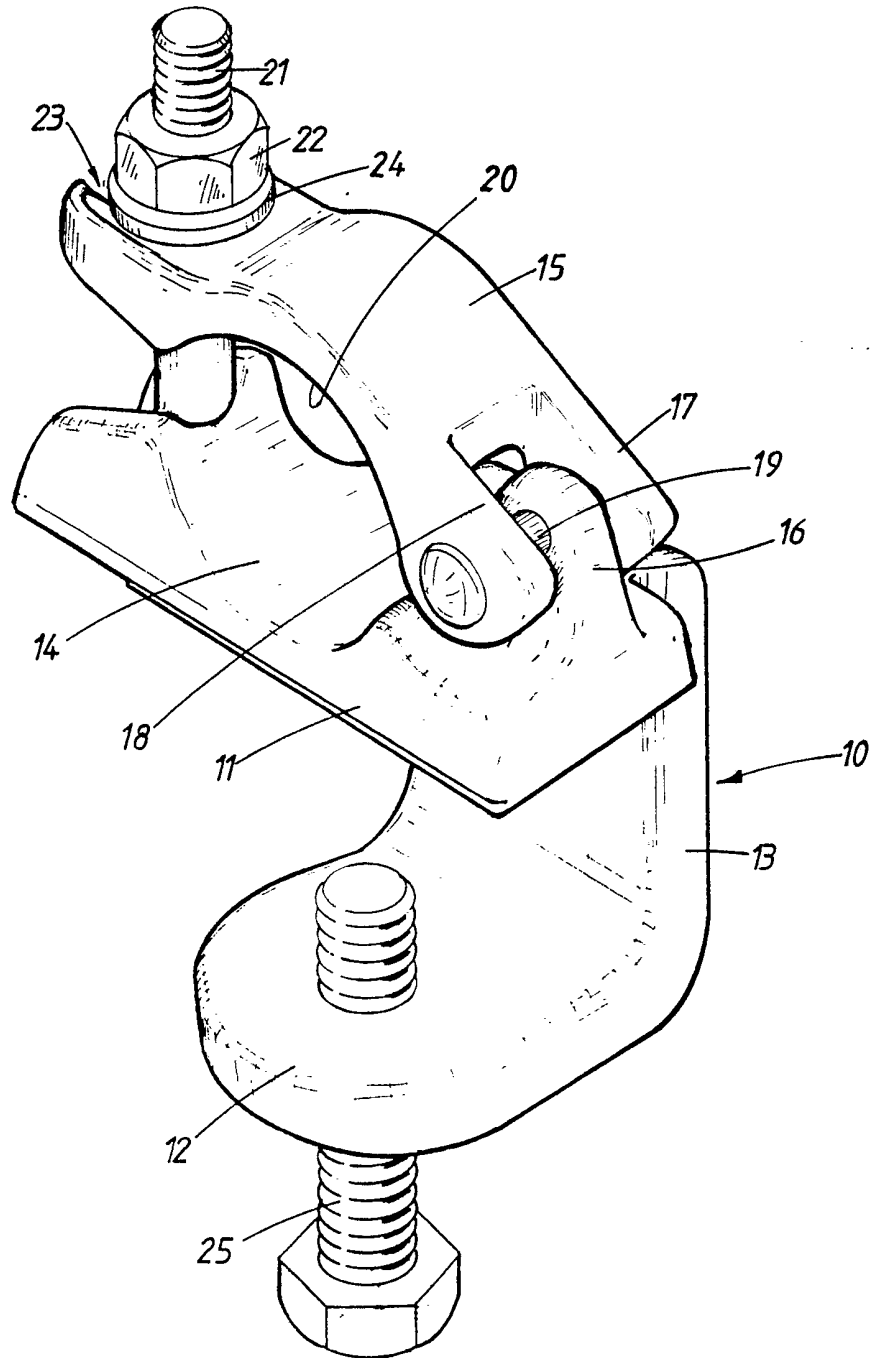
(57) A scaffolding clamp comprises a body 10 of channel-shaped configuration having a pair of spaced flanges 11 and 12. One of these flanges 12 is formed on its exterior with a seating 14 for an elongate scaffolding member and is also pivotally connected on its exterior to a cover 15 similarly provided with a seating 20 for the elongate scaffolding member, screw-threaded fastening means 21, 22 being provided for releasably connecting the cover 15 to the flange 14 in order to secure the elongate scaffolding member between the aforesaid seatings. The other flange 12 of the body is provided with screw-threaded clamping means 25 for securing the body to a flange of a flanged structural member.



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The drawing originally filed was informal and the print here reproduced is taken from a later filed formal copy.

The claims were filed later than the filing date within the period prescribed by Rule 25(1) of the Patents Rules 1982.



SPECIFICATION

Scaffolding clamp

5 This invention relates to a clamp which is intended for use in connecting an elongate scaffolding member or other elongate member such as a pipe to a flanged structural member such as for example an T-section beam, the
10 clamp being referred to for convenience as a scaffolding clamp. The object of the present invention is to provide such a scaffolding clamp which will be economical to manufacture and yet will be strong and long-lasting in
15 use.

In accordance with the invention there is provided a scaffolding clamp which comprises a body of generally channel-shaped configuration comprising a pair of spaced flanges integrally interconnected by a web portion, one of
20 said flanges being formed on its exterior with a seating for an elongate member and being pivotally connected to a cover which is also formed with a seating for said elongate member, releasable screw-threaded fastening means being provided for securing said cover to said one flange for clamping said elongate
25 member in position between said two seatings, the other flange of said body being provided with screw-threaded clamping means for clamping the body in use to the flange of a flanged structural member.

Conveniently, said channel-shaped body is formed as a metal forging. Said cover may
35 also be formed as a forging.

The invention will now be more particularly described with reference to the accompanying drawing which is a perspective view of one example of a scaffolding clamp constructed in
40 accordance with the invention.

Referring now to the drawing there is shown therein one example of a scaffolding clamp constructed in accordance with the invention, the clamp having a body generally indicated by reference numeral 10 which is
45 formed as a forging so as to provide a pair of flanges 11 and 12 which are integrally interconnected by a web portion 13. The flanges 11 and 12 are of generally similar width but the flange 11 is longer than the flange 12 and is shaped to provide on its exterior surface a seating 14 for an elongate member such as a scaffolding member which may be in the form of a metal tube.

55 The flange 11 is also pivotally connected to one end of a cover 15, the flange being conveniently provided with an outwardly projecting integrally formed lug 16 which extends between a pair of spaced parallel ears 17 and 18 formed on said cover 15, a pin 19 extending through aligned apertures in said
60 lug 16 and ears 17 and 18 to form a pivot on which the cover 15 can turn relative to the flange 11. The interior of said cover 15 is also formed with a seating 20 and screw threaded

fastening means comprising a T-headed bolt 21 and nut 22 are provided for releasably securing said cover 15 relative to the flange 11 in a position in which said two seatings 14 and 20 will engage and grip the opposite sides of the aforesaid elongate scaffolding member. The head of said T-headed bolt 21 is located in a pocket integrally formed in the underside of said flange 11 and the stem of
70 said bolt 21 extends through a slot 23 formed in the non-pivoted end of the cover 15, a washer 24 being interposed between said cover and the nut 22 so that tightening of the latter can be used to secure the elongate scaffolding member in its clamped position.

The other flange 12 of the body 10 is formed with a screw threaded aperture through which in use projects a bolt 25 which is arranged so that its head lies outside the
85 flange 12, the inner end of the bolt 25 then being adapted to engage one side of the flange of a flanged structural member, the other side of which will then be engaged by the inner surface of the flange 11 of the body 10. Said flange of the flanged structural member can thus be securely clamped by said bolt 25 between the inner end of the bolt and the inner surface of the flange 11. Thus in use the scaffolding clamp as shown in the drawing can be used to secure an elongate scaffolding member or pipe or other elongate member to said flange of a flanged structural member, the length of the latter when in its clamped position then extending in a direction which is generally perpendicular to the length of the elongate scaffolding member or other elongate member.

It will be appreciated that a clamp as above described has a body which is formed as a one-piece construction so that there is no weld or other joint between for example the flange 11 and the remainder of the body. This makes for a strong construction which will have a relatively long life in use. The clamp is however relatively economical to manufacture and if desired the cover 15 can be made as a forging like the body 10.

CLAIMS

115 1. A scaffolding clamp which comprises a body of generally channel-shaped configuration comprising a pair of spaced flanges integrally interconnected by a web portion, one of said flanges being formed on its exterior with a seating for an elongate member and being pivotally connected to a cover which is also formed with a seating for said elongate member, releasable screw-threaded fastening means being provided for securing said cover to said one flange for clamping said elongate member in position between said two seatings, the other flange of said body being provided with screw-threaded clamping means for clamping the body in use to the flange of a flanged structural member.
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2. A scaffolding clamp as claimed in Claim 1 wherein said spaced flanges of the body are of generally similar width but of different length, the flange which is formed on its exterior with a seating for an elongate member being longer than the other flange.
3. A scaffolding clamp as claimed in either of the preceding claims wherein said channel-shaped body is formed as a metal forging.
4. A scaffolding clamp as claimed in any one of the preceding claims wherein said cover is formed as a metal forging.
5. A scaffolding clamp as claimed in any one of the preceding claims wherein that flange which is formed on its exterior with a seating for an elongate member is provided with an integrally formed outwardly projecting lug which extends between a pair of spaced parallel ears formed on said cover, a pin extending through aligned apertures formed in said lug and said ears forming a pivot for said cover.
6. A scaffolding clamp substantially as hereinbefore described with reference to and as shown in the accompanying drawing.