

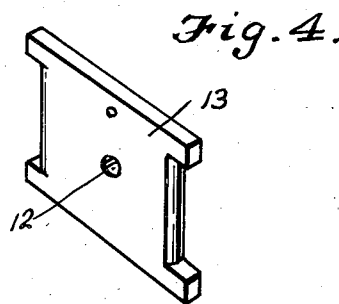
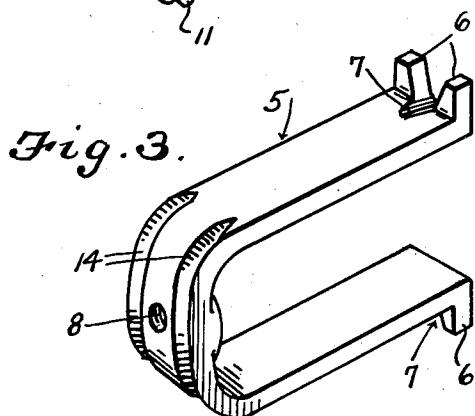
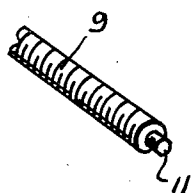
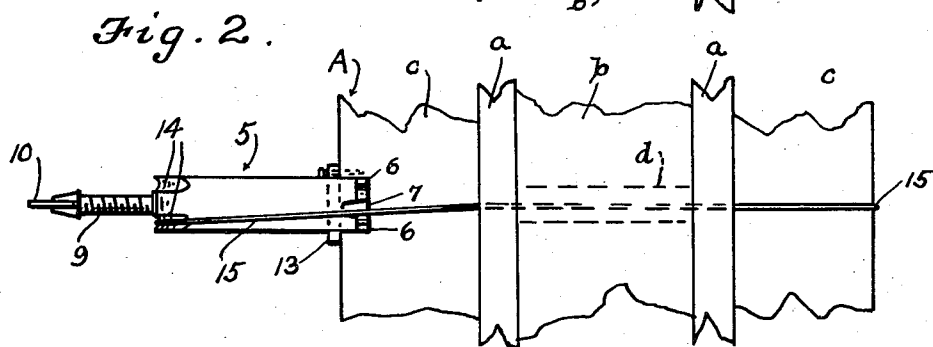
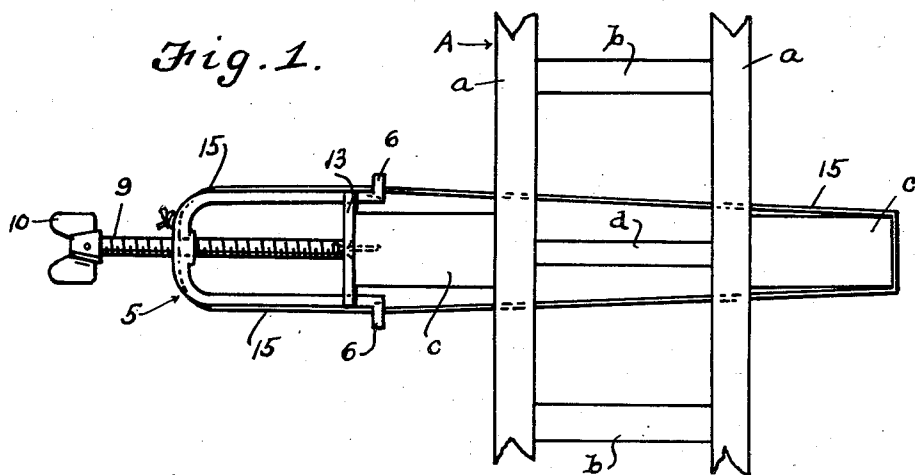
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CONCRETE FORM CLAMP

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CONCRETE FORM CLAMP

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3 Claims. (Cl. 25—131)

This invention relates to concrete building forms and more particularly to clamps therefor.

The primary object of this invention resides in the provision of means whereby the walls of concrete building forms will be retained in plumb condition after concrete has been poured therein.

Another object of this invention resides in the provision of means whereby the walls of concrete building forms can be trued against bulging subsequent to pouring concrete therein.

A further object of this invention resides in the provision of means for securing the walls of concrete forms together and maintaining them in plumb condition without damage to the same.

A still further object of this invention resides in the provision of a particularly constructed clamp adapted to be utilized with certain other elements in assembling concrete building forms so they can be easily dissembled without destruction to the sections thereof.

Aside from the aforesaid objects this invention resides in the provision of a clamp, for concrete building forms, of such construction as will prevent the form securing element associated therewith from slipping out of engagement with the clamp.

With these and other objects in view this invention resides in certain novel features of construction and arrangement of elements to be hereinafter set forth in the specification, illustrated in the accompanying drawing and pointed out in the appended claims and, while this disclosure depicts my present conception of the invention, the right is reserved to resort to such changes in construction and arrangement of elements as come within the scope of the claims.

In the accompanying drawing forming a part of this invention:

Fig. 1 is a plan view of a conventional concrete building form showing the elements of this invention in operative relation therewith.

Fig. 2 is an end view of a portion of a concrete building form showing but one of the clamps utilized therewith.

Fig. 3 is a detail perspective view of the yoke, per se.

Fig. 4 is a similar view of the follower-plate, per se.

Fig. 5 is a similar view of the inner end of the screw-bolt.

In the present illustration of this invention the letter A designates a conventional concrete building form which consists of spaced side members a, spacer members b and brace members c.

Adapted to straddle one of the brace members

c is a substantially U-shaped yoke 5 having its extremities provided with pairs of outwardly directed ears 6 between each pair of which is disposed a beveled channel 7. Formed in the base of the yoke 5 is a threaded aperture 8 adapted to threadedly accommodate a screw-bolt 9, said bolt is herein provided with a thumb-piece 10 at its outer end and a lug 11 at its inner end for seating in an aperture 12 formed in a follower-plate 13 slidably carried by the yoke 5.

On opposite sides of the aforesaid threaded aperture 8 of the yoke and extending approximately throughout the entire length of the base thereof are grooves 14 in either of which is adapted to be seated one of the looped ends of a tie-wire 15 which is passed around that brace member opposite the one adjacent the yoke and through the side members.

In utilizing the clamp, forming the subject matter of this invention, the form sections are assembled and the tie-wire is passed around one of the brace members with its free ends threaded through apertures in the side members, whereupon the yoke is held against the opposite brace member by the twisted looped end of the tie-wire.

With the elements thus assembled a truss member d is disposed between the side members and the screw-bolt is tightened against the follower-plate. Continued tightening of the screw-bolt will cause the brace members to draw the side members inwardly and in plumb position and, after the concrete has been poured into the form, the truss member is removed.

Should the form bulge during pouring of the concrete or prior to setting of the same, the screw-bolt may be further tightened to true the form.

As soon as the concrete has set and hardened, the clamp is removed and form sections disassembled whereupon the protruding ends of the tie-wire may be cut.

While but one of the clamps is shown in the drawing it is to be understood that any number of the same may be employed in practicing the invention.

With this invention fully set forth it is manifest that means for trueing concrete building forms is not only provided, but provision for safety is made through the particular construction of the clamp.

Having thus described my invention what I claim and desire to protect by Letters Patent is:

1. A clamp of the character set forth comprising a yoke having spaced grooves and a threaded aperture in its base, spaced ears on the

extremities of the yoke and having channels therebetween, a follower-plate slidably mounted on the yoke and having an aperture therein, and a screw-bolt threadedly engaged in the threaded
5 aperture of the yoke and having its inner extremity seated in the aperture of the follower-plate.

2. A clamp of the character set forth comprising a yoke having spaced grooves and a
10 threaded aperture in its base, spaced ears on the extremities of the yoke, a follower-plate slidably mounted on the yoke and having an aperture therein, and a screw-bolt threadedly en-

gaged in the threaded aperture of the yoke and having its inner extremity seated in the aperture of the follower-plate.

3. A clamp of the character set forth comprising a yoke having a threaded aperture in its
5 base and elongated grooves on opposite sides of said aperture, spaced ears on the extremities of the yoke, a follower-plate slidably mounted on the yoke and having an aperture therein, and
10 a screw-bolt threadedly engaged in the threaded aperture of the yoke and having its inner extremity rotatably seated in the aperture of the follower-plate.

GEORGE W. STRANGE.