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FORM CLAMPING SUPPORT
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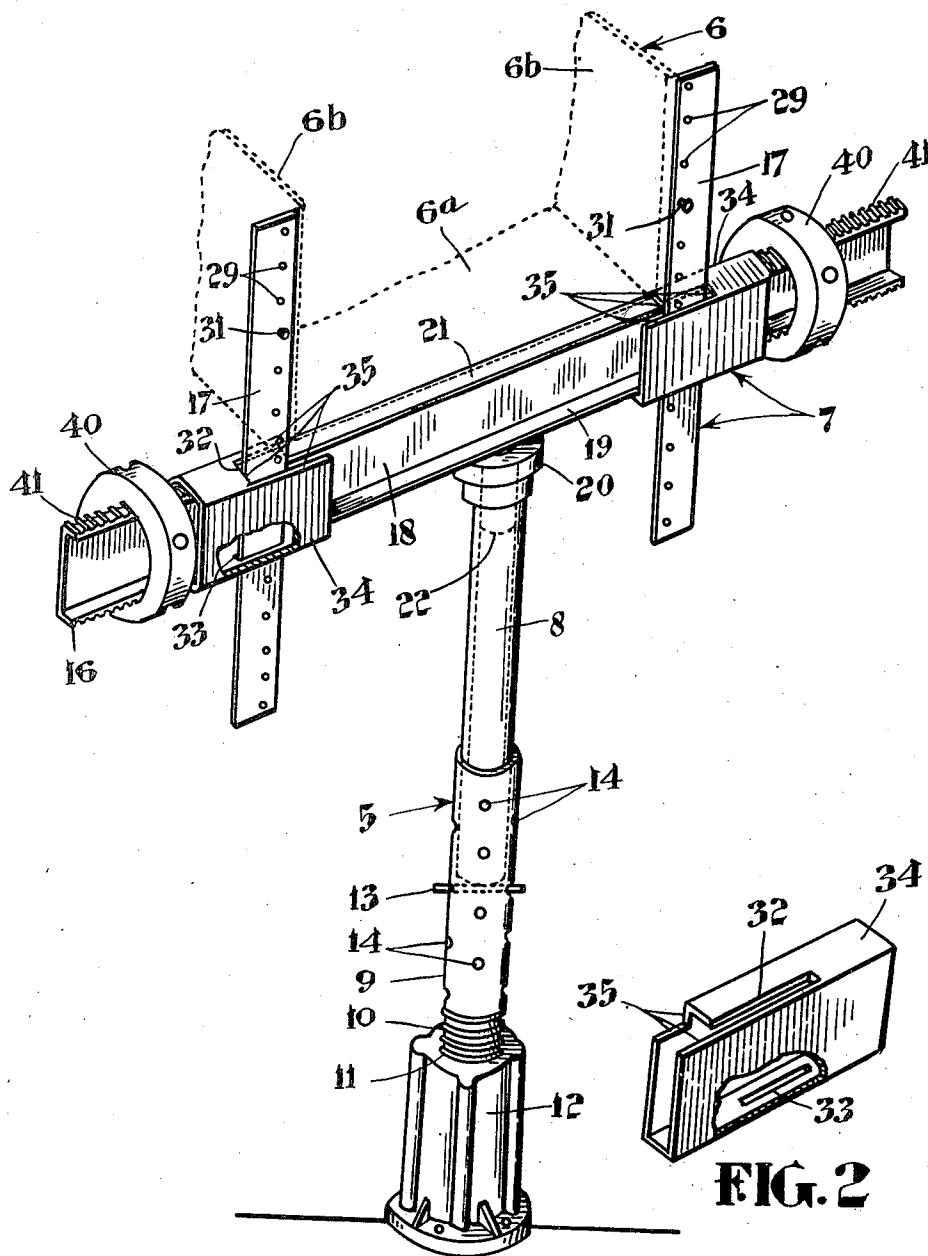


FIG. 1

FIG. 2

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FORM CLAMPING SUPPORT

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4 Claims. (Cl. 25—131.5)

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This invention relates to supports for beam-molds and other forms used in the construction of reinforced concrete buildings.

The object of the invention is to provide a form support equipped with an adjustable form clamping attachment which may be conveniently adjusted into proper clamping relation with forms of varying widths and heights and which, when so adjusted, will securely retain the form in its proper position on the support.

Other objects, advantages and characteristic features will be more readily understood from the following detailed description taken in connection with the accompanying drawings, in which—

Fig. 1 is a perspective view of one embodiment of my invention shown in association with a beam-mold.

Fig. 2 is a detail perspective view of a clamping bar supporting slide forming part of the assembly shown in Fig. 1.

Referring more particularly to the drawings, 5 designates a vertically adjustable telescopic form support on which a beam-mold 6 is supported by my improved form clamping attachment generally indicated at 7.

Support 5 is shown as comprising an upper hollow tubular member 8 slidably fitted in a lower tubular member 9 provided with a screw-threaded lower end 10 which is screwed into the threaded socket 11 of a supporting base 12. The upper member 8 is adapted to be raised and lowered with reference to tubular member 9 to thereby increase or decrease the overall height of the telescopic support conjointly provided by said members. Upper member 8 is supported in adjusted position by a supporting pin 13 which is passed through selected openings 14 of a series of such openings provided in the walls of the lower tubular member 9. In the present instance, tubular member 9 is shown provided with a multiplicity of vertically and horizontally staggered openings 14 arranged so that each opening is located diametrically opposite a similar opening provided in an opposite wall portion of the tube.

After major adjustments of the overall height of the support 5 have been obtained by raising or lowering member 8 to a new position of adjustment it is possible to effect a finer adjustment of the overall height of the support by screwing the tubular member 9 into or out of socket 11 to thereby effect a slight unitary raising or lowering of the members 8 and 9.

My improved form clamping attachment 7 comprises a channel beam 16 supporting the bottom wall 6a of the beam-mold 6 and a pair of

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clamping bars 17 and 17' disposed in clamping engagement with the beam-mold side walls 6b. Beam 16 is arranged with its web portion 18 extending vertically, its lower flange 19 resting on a flanged collar 20 secured to the upper end of tubular member 8, and its upper flange 21 in supporting contact with the bottom wall 6a of beam-mold 6. A centering post 22 extends downwardly from the central portion of beam flange 19 and is fitted in the upper ends of member 8.

Each clamping bar 17 and 17' is slidably fitted in upper and lower slots 32 and 33 provided in the top and bottom portions of a hollow rectangular slide 34 which is slidably mounted on beam 16 for movement longitudinally of said beam. The upper portion of each slide 34 is cut away as indicated at 35 to permit the inner edges of the clamping bars 17 to be butted against the side walls 6b of beam-mold 6 by inward movement of said slides.

The slides 34 are moved inwardly to dispose the clamping bars 17 and 17' in clamping engagement with the sides of the beam-mold by means of adjusting nuts 40 which are screwed onto screw-threaded portions 41 of the beam flanges 19 and 21.

Each of the clamping bars 17 and 17' is provided with a series of vertically spaced inclined openings 29 through which one or more nails 31 may be driven into the adjacent side walls 6b of the beam-mold, as clearly shown in the drawings. This nailing of the clamping bars to the beam-mold enables them to be held in adjusted position prior to applying the final clamping pressure through the agency of slides 34 and adjusting nuts 40.

Having thus described the nature of my invention it will be understood that various modifications may be resorted to within the scope and spirit of the invention as defined by the appended claims.

I claim:

1. A form-support of the character described including a channel beam arranged with its web extending vertically and its channel forming flanges extending horizontally so that the upper flange serves as a supporting seat for the form, slide members comprising top, side and bottom walls slidably mounted on said beam and provided with slots in the top and bottom walls; a pair of vertically disposed clamping bars slidably fitted in said slots for vertical and horizontal adjustment, said bars being adapted for clamping engagement with the side walls of the form supported on said beam and means for adjusting

said slide members comprising travelling adjusting nuts in screw threaded engagement with said beam.

2. A form-support of the character described comprising a beam, slides mounted on said beam for movement longitudinally thereof, form clamping members carried by said slides and slide adjusting nuts in screw threaded engagement with said beam.

3. A form-support of the character described comprising a beam adapted to support a form thereon, clamping members slidably mounted on said beam and adapted to be adjusted lengthwise of the beam into clamping engagement with the sides of the form mounted on said beam and means for adjusting said clamping members comprising travelling adjusting nuts in screw threaded engagement with said beam.

4. A form-support of the character described including a horizontal beam extending across and supporting a bottom wall of the form, slide mem-

bers comprising top, side and bottom walls slidably mounted on said beam and provided with slots in the top and bottom walls, a pair of vertically disposed clamping bars slidably fitted in said slots and adapted for clamping engagement with the side walls of the form supported on said beam and means for adjusting said slide members comprising travelling adjusting nuts in screw threaded engagement with said beam.

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The following references are of record in the file of this patent:

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