

# United States Patent

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[54] **FOUNDATION FORM CLIP**  
 2 Claims, 7 Drawing Figs.

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 25/131; 249/40  
 [51] Int. Cl. .... E04g 17/06  
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 C.M, CP, YT, T, (Brace Digest), 131.5, C,B;  
 249/219, 213, 190, 191, 192, 40, 36, 38; 248/175,  
 302; 211/40, 181; 52/677, 690

[56]

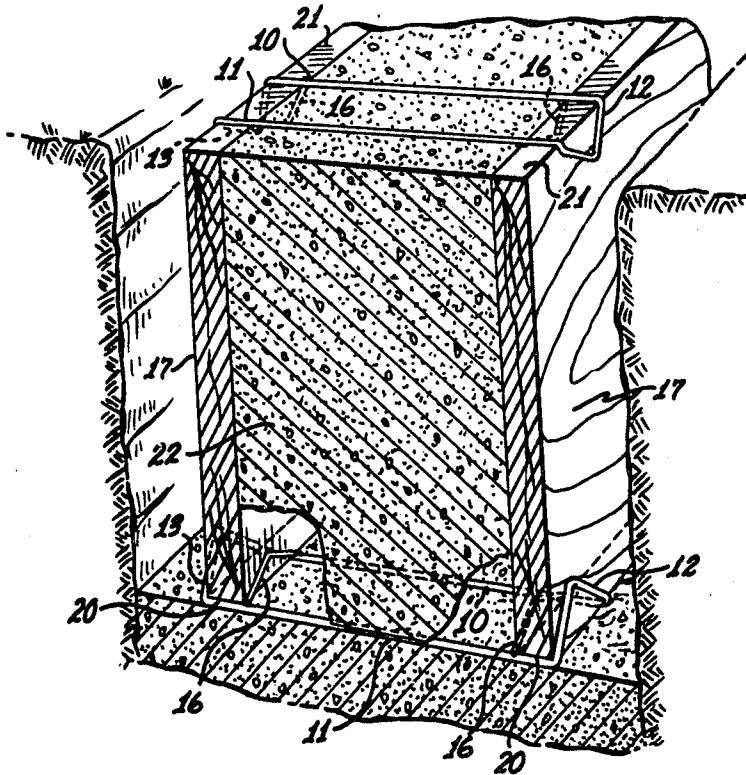
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**ABSTRACT:** A foundation form clip for securing the lateral alignment of the bottoms and tops of foundation forms which are constructed of bent up wire configurations.



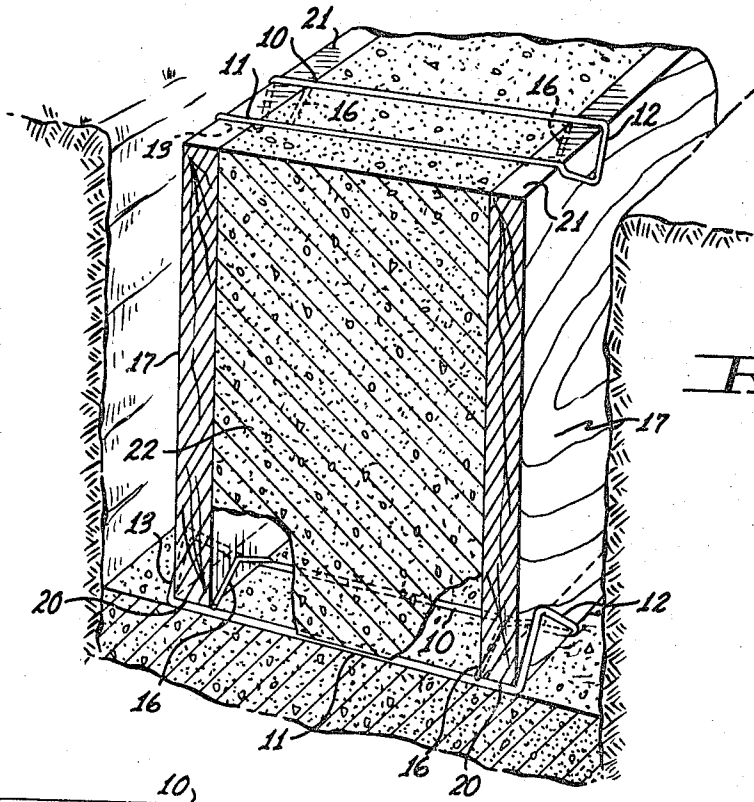


FIG. 1

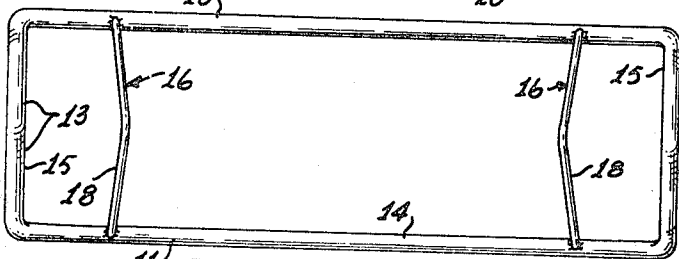


FIG. 2



FIG. 4

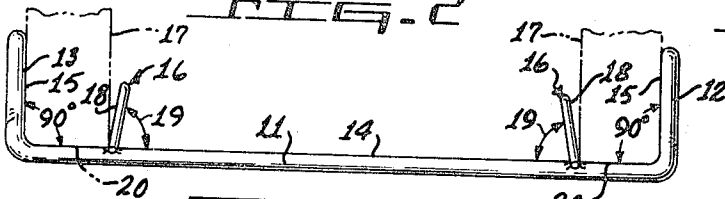


FIG. 3



FIG. 7

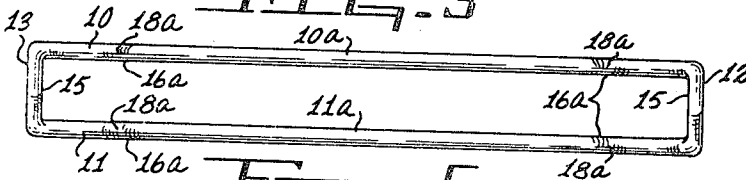


FIG. 5

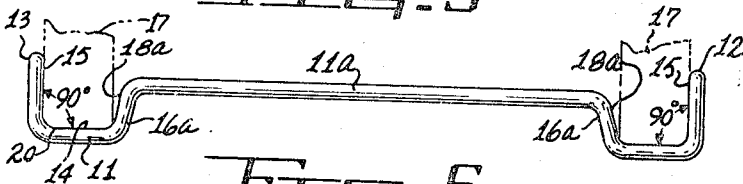


FIG. 6

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## FOUNDATION FORM CLIP

## BACKGROUND OF THE INVENTION

The field of this invention lies in foundation form clips for locating and securing concrete forms in pouring foundations and the like.

Heretofore, such foundation clips were made of heavy gauge strap iron which require expensive punch presses and dies to form, bend and perforate the strip stock to ultimately produce a suitable foundation form clip. Further, much heavier stock was required requiring more material and this resulted in more effort in handling. Storage and shipping costs were also high.

## SUMMARY OF THE INVENTION

An object of this invention is to provide a foundation clip which is constructed of bent up wire configurations which is simple in construction and sturdy and accurate in laterally positioning foundation forms for pouring the stem on foundation footings.

Another object is to provide a foundation form clip which may be constructed in automatic wire-bending and welding machines.

Still another object is to construct a wire formed foundation clip using less material lighter in weight yet stronger in use to adequately secure the foundation forms in proper and rigid position. BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is an enlarged perspective view showing the use of a foundation form clip incorporating the features of this invention.

FIG. 2 is a plan view of one form of the foundation form clip.

FIG. 3 is a side elevational view of the form clip shown in FIG. 2.

FIG. 4 is an end elevation of the form clip shown in FIGS. 2 and 3.

FIG. 5 is a plan view of a modification of the form clip shown in FIGS. 1 and 2.

FIG. 6 is a side elevational view of the form clip shown in FIG. 5.

FIG. 7 is an end elevation of the form clip shown in FIGS. 5 and 6.

## DESCRIPTION OF THE PREFERRED EMBODIMENT

As an example of one embodiment of this invention, there is shown a foundation form clip having a pair of parallel rod base members 10 and 11 to the end of which are integrally connected the vertically upstanding inverted V-shaped end portions 12 and 13 so that the angle between the top surfaces 14 of the base members and the inner faces 15 are at 90° as

shown in FIG. 3.

Guide and positioning members indicated generally at 16 comprise inverted V-shaped members having their free ends integrally secured to the base members 10 spaced inwardly from the inner faces 15 of the end portions 12 and 13 a distance equal to the thickness of the foundation form panels 17. The guide and positioning members 16 slope convergently upwardly toward each other so that the outer surfaces 18 thereof slope up away from the inner surfaces 15 of the end portions 12 and 13 so that the angle 19 is less than 90°.

The sloping surfaces 18 guide the form panels 17 firmly and accurately up against the inner faces 15 of the end portions 12 and 13 as the bottom edge 20 comes to rest on the surface 14 of the base members 10.

The same clip may be turned upside down and placed over the top edges 21 of the form panels as shown in FIG. 1 so as to similarly secure the upper edges thereof. Concrete 22 is then poured between the panels 17 in the usual manner to complete the foundation stem.

FIGS. 5, 6 and 7 show a modification of the above described wire constructed foundation form clip in which the separate guide and positioning members 16 are dispensed with and in place thereof the parallel rod base members 10 and 11 are bent upwardly at 16a to form raised intermediate portions 10a and 11a to thus form sloping guide surfaces 18a, equivalent in function to the surfaces 18 in FIG. 3, this latter structure being formed of a single piece of heavy wire stock.

While the apparatus herein disclosed and described constitutes a preferred form of the invention, it is clip to be understood that the apparatus is capable of mechanical alteration without departing from the spirit of the invention and that such mechanical arrangement and commercial adaptation as fall within the scope of the appended claims are intended to be included herein.

I claim:

1. A foundation form clip comprising in combination:

A. a pair of parallel rod base members;

B. vertically upstanding inverted channel-shaped end portions fixed to the outer ends of said base members;

C. guide and positioning members comprising upwardly bent portions forming raised intermediate portions in the base members to form sloping guide surfaces in said base members at spaced inwardly positions from the channel-shaped end portions a distance equal to the thickness of the foundation forms; and

D. said guide and positioning members sloping convergently upwardly toward each other so that the outer surfaces thereof slope away from the inner surfaces of the end portions.

2. A foundation form clip as in claim 1 wherein the channel shaped-end portion is of U-shaped configuration.

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