

Sept. 18, 1956

R. C. SULLIVAN
CONCRETE FORM SUPPORT

2,763,048

Filed Dec. 26, 1951

2 Sheets-Sheet 1

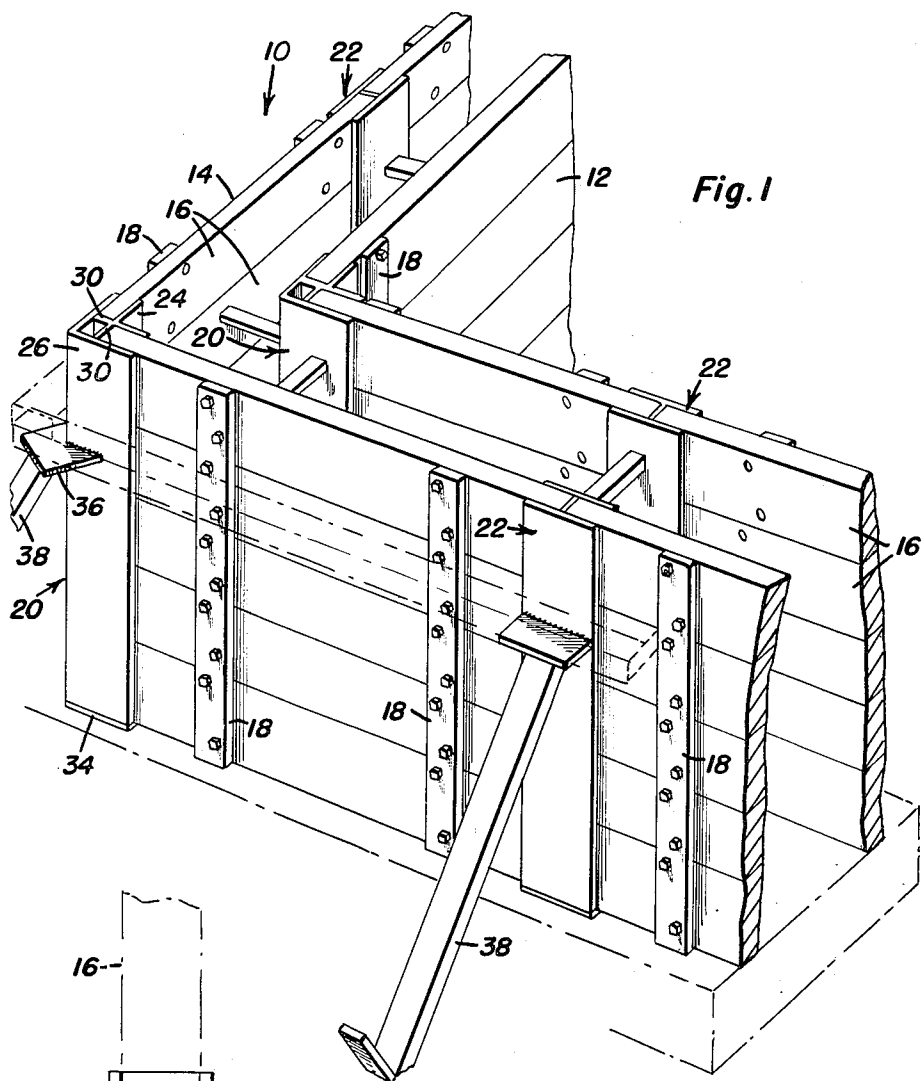


Fig. 1

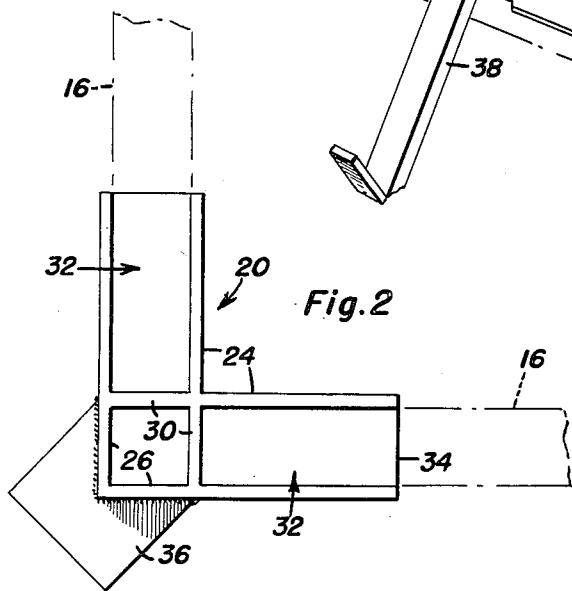


Fig. 2

Richard C. Sullivan
INVENTOR.

BY *James A. O'Brien*
and *Harvey B. Jacobson*
Attorneys

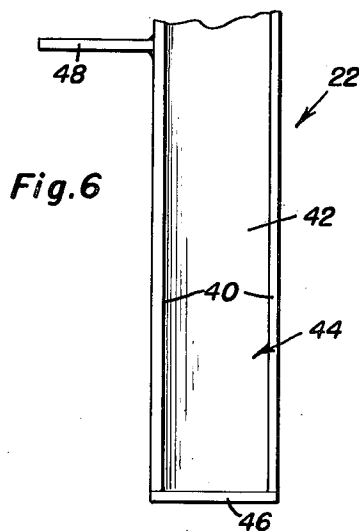
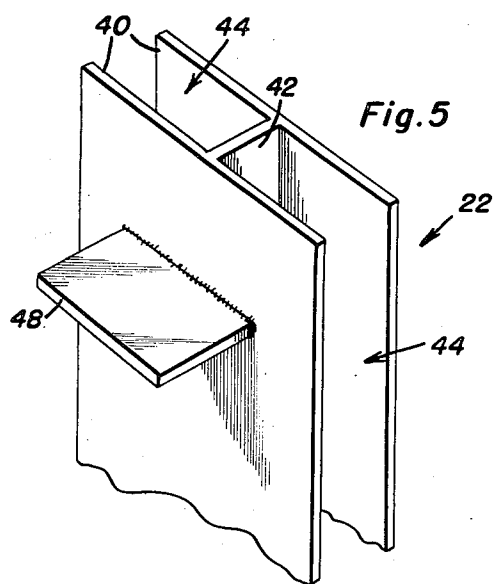
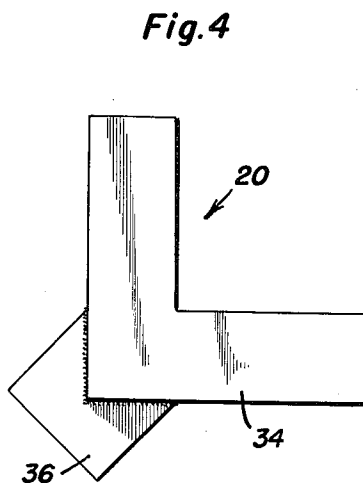
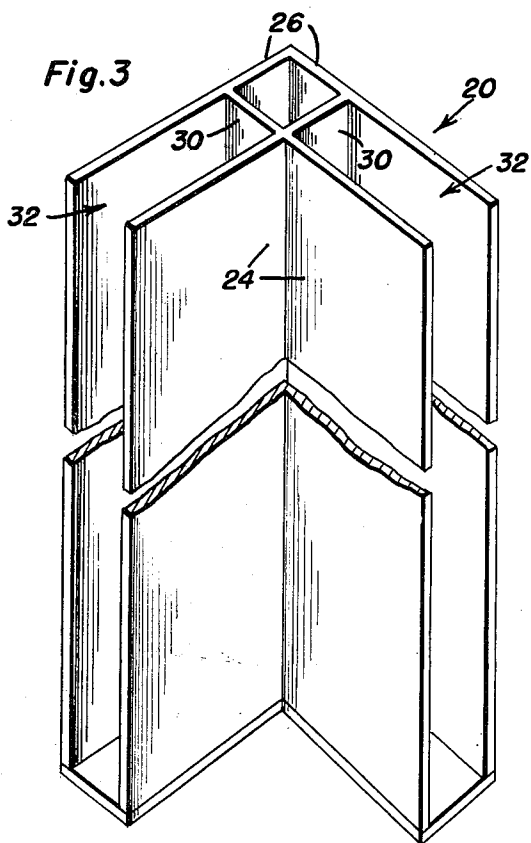
Sept. 18, 1956

R. C. SULLIVAN
CONCRETE FORM SUPPORT

2,763,048

Filed Dec. 26, 1951

2 Sheets-Sheet 2



Richard C. Sullivan
INVENTOR.

BY *Alvanice A. O'Brien*
and *Harvey B. Jackson*
Attorneys

1

2,763,048

CONCRETE FORM SUPPORT

Richard C. Sullivan, Hempstead, N. Y.

Application December 26, 1951, Serial No. 263,226

1 Claim. (Cl. 25—131)

This invention relates to new and useful improvements and structural refinements in supports for concrete forms, and the principal object of the invention is to provide a support of the character herein described, which may be conveniently and effectively employed for sustaining horizontal form planks in position to provide vertical concrete retaining walls.

Some of the advantages of the invention lie in its simplicity of construction, in its efficient operation and in its adaptability for repeated use with forms of different sizes and types.

With the above more important objects and features in view and such other objects and features as may become apparent as this specification proceeds, the invention consists essentially of the arrangement and construction of parts as illustrated in the accompanying drawings, in which:

Figure 1 is a fragmentary perspective view of a concrete form, illustrating the invention in use;

Figure 2 is a top plan view of the invention as used at the corners of the form;

Figure 3 is a perspective view of the device shown in Figure 2;

Figure 4 is an underside plan view of the device shown in Figures 2 and 3;

Figure 5 is a fragmentary perspective view of the invention as used in the straight side of the form; and,

Figure 6 is a fragmentary elevational view of the device shown in Figure 5.

Like characters of reference are employed to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the general reference character 10 designates a concrete form having inner and outer wall units 12, 14, each consisting of a plurality of horizontally extending planks 16 which are secured together by vertical straps 18, as will be clearly apparent.

The instant invention contemplates the provision of supports 20, 22, the former being intended to sustain the planks 16 at the corners of the form, while the latter are intended to sustain the planks in longitudinal alignment in the straight side stretches of the form walls, as is clearly shown in Figure 1.

Each of the supports 20 consists of mutually spaced inner and outer vertical angles 24, 26 and a pair of vertical webs 30 which extend transversely from the corner of the inner angle 24 to the respective sides of the outer angle 26, so as to coact therewith in providing a pair of vertical channels 32 which are disposed at right angles to each other for receiving end portions of the planks 16, as shown in Figure 1. An L-shaped base plate 34 is

2

welded or otherwise secured to the lower ends of the angles 24, 26 and webs 30, and it is to be also noted that a plate-shaped bracket 36 is secured to and projects laterally from the outer surface of the angle 26 adjacent the upper end thereof, so as to provide an abutment for a diagonal brace 38 used in the form construction. Needless to say, the supports 20 may be employed at inside as well as outside corners of the form, and after the form has served its purpose, the planks 16 may be readily removed from the channels 32 and the supports 20 used again on another occasion.

The supports 22 are used in straight stretches of the form walls and each comprises a pair of spaced vertical side members 40 and a vertical web 42 extending transversely between the side members in a plane intermediate the longitudinal edges thereof, so that it coacts therewith to provide a pair of vertical channels 44 of a U-shaped cross-section, to accommodate the end portions of the planks 16. The channels 44 are disposed in a common plane parallel to the faces of the side members 40 and a base plate 46 is secured to the lower ends of the members 40 and web 42 while a plate-shaped bracket 48 is provided adjacent the upper end of one of the members to constitute an abutment for a diagonal brace, as is shown at 38 in Figure 1.

It is believed that the advantages and use of the invention will be readily understood from the foregoing disclosure and accordingly, further description thereof at this point is deemed unnecessary.

While in the foregoing there has been shown and described the preferred embodiment of this invention, it is to be understood that minor changes in the details of construction, combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

Having thus described the invention, what is claimed as new is:

A concrete form support comprising a pair of vertical angles disposed in spaced nested relation, a pair of vertical webs extending transversely from the corner of one angle to the respective sides of the other angle and coacting therewith to provide a pair of vertical channels disposed angularly to each other for receiving end portions of horizontal form planks, an L-shaped base plate secured to the bottom ends of said angles and webs, and a bracket secured to and projecting laterally from the outer surface of one of said angles adjacent the upper end thereof to provide an abutment for a diagonal brace.

References Cited in the file of this patent

UNITED STATES PATENTS

830,437	Humphrey	Sept. 4, 1906
830,893	Engelhardt	Sept. 11, 1906
913,090	Barg	Feb. 23, 1909
991,635	Nielsen	May 9, 1911
1,029,674	Dunagin	June 18, 1912
1,129,658	Foy	Feb. 23, 1915
1,212,499	Kemon	Jan. 16, 1917
1,482,434	Hotchkiss	Feb. 5, 1924
1,754,215	Walper	Apr. 8, 1930
2,107,427	Schwarzler	Feb. 8, 1938
2,529,648	Borton	Nov. 14, 1950

FOREIGN PATENTS

592,022	Germany	Jan. 18, 1934
---------	---------	---------------