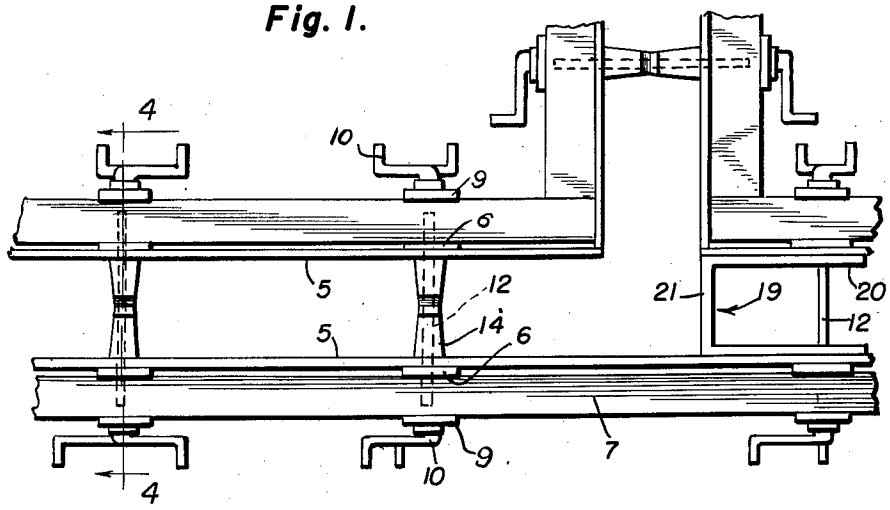
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CONCRETE WALL FORM

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Fig. 1.



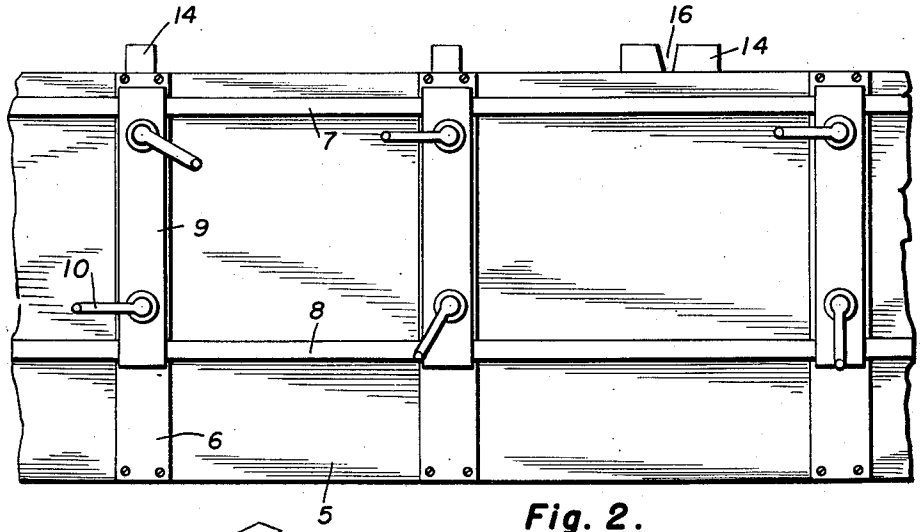


Fig. 2.

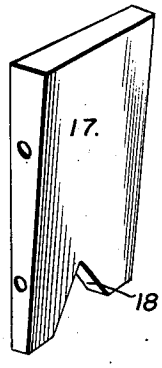


Fig. 3.

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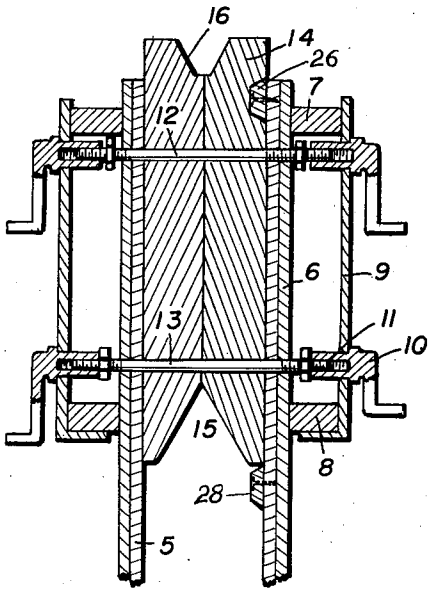


Fig. 4.

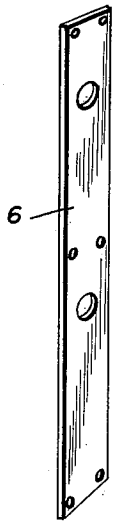


Fig. 7.

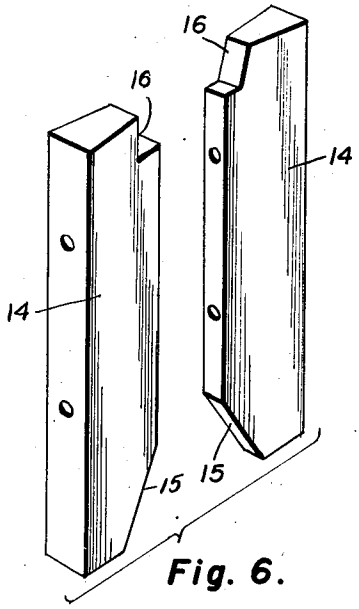


Fig. 6.

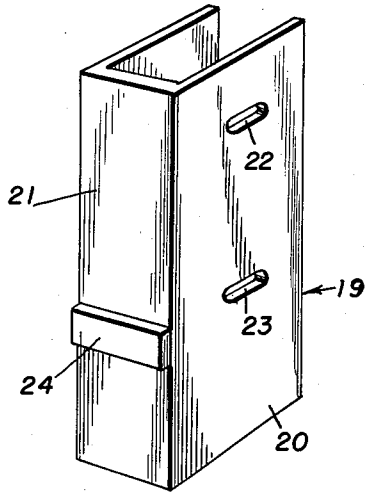


Fig. 5.

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CONCRETE WALL FORM

Charles D. Keith, Russell, Kans.

Application March 21, 1947, Serial No. 736,160

2 Claims. (Cl. 25—131)

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This invention relates to new and useful improvements in concrete wall forms and the primary feature of the present invention is to provide a mold which may be used to construct a wall.

Another important feature of the present invention is to provide a concrete mold of the character referred to including means adapted to form a corner where the ends of a pair of adjacent walls intersect at right angles to each other.

A further feature of this invention it to provide a concrete mold that is adjustable to form various width walls and said device being quickly and readily disassembled to be conveniently transported to various sites where concrete walls are to be formed.

A still further feature of the present invention is to provide a concrete mold of the class described that is simple and practical in construction, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a top plan view of the mold set up to form one corner of a structure;

Figure 2 is a front elevational view thereof;

Figure 3 is a perspective view of an alternate spacer block removed from the mold;

Figure 4 is an enlarged vertical sectional view taken on the line 4—4 of Figure 1;

Figure 5 is a perspective view of an end piece used in the end of forms when pouring a corner;

Figure 6 is a perspective view of a pair of similar spacer blocks which are connected to form the width of the wall, and

Figure 7 is a perspective view of a stiffener plate.

Referring now to the drawings in detail, wherein for the purpose of illustration I have disclosed a preferred embodiment of the present invention, the numeral 5 represents a pair of elongated side wall forms each having a plurality of vertically spaced stiffener plates 6 secured to their outer faces.

Extending longitudinally at the upper and lower outside edges of said forms 5 and bearing against the plates 6 is an upper whaler strip 7 and lower whaler strip 8 against which a plurality of substantially L-shaped whaler supporting plates 9 opposing stiffener plates 6 are adjustable inwardly by crank handle nuts 10 carried by the

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plates 9 and on the outer threaded ends 11 of upper bolts 12 and lower bolts 13 extending transversely and horizontally through the wall forms 5 and stiffener plates 6.

The bolts 12 and 13 also extend horizontally through a pair of similar spacer blocks 14 whose side faces are tapered toward their inner edges and said blocks having their lower adjacent corners notched as at 15 so as to permit reinforcing rods (not shown) to extend through the lower portion of the wall and also aid in removal of the blocks from the formed wall. The upper ends of said blocks extending upwardly from the upper edges of side walls 5.

The upper inner corners of said blocks 14 are also notched as at 16 to permit easy gripping thereof for removal from the formed wall.

If so desired a single wedge shaped spacer block 17 as shown in Figure 3 may be used in place of the blocks 14, said block 17 having a V-notch 18 at its lower end to facilitate easy removal of the block from the formed wall, and facilitating the positioning of reinforcing rods to extend longitudinally through spacer blocks.

At the ends of the side wall forms 5 where a second pair of adjacent side walls intersect at right angles thereto, an end piece designated generally at 19 of the class shown in Figure 5 is placed to form a corner as shown in Figure 1 of the drawings, said end piece comprising a channel member having a pair of side walls 20 and an end wall 21 connecting said side walls at their inner ends.

Upper horizontal slots 22 and lower horizontal slots 23 are provided in said side walls 20 to adjustably receive bolts 12 and 13 having crank handle nuts 10.

A horizontally extending rib 24 is provided on the outer face of end wall 21 to facilitate in removing the end piece from the formed wall. The ribs 24 also provide a recess in the formed wall resembling a type of stone wall construction which is quite attractive and also aids in concealing the "construction joints." Upper and lower horizontally disposed ribs 26 and 28 are also provided on the inner face of one of the side wall forms 5 (see Figure 4) to form recesses in the formed wall resembling a type of stone construction.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even

though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

What I claim is:

1 A form for concrete walls comprising a pair of side walls having inner and outer faces, a plurality of longitudinally spaced transverse stiffener plates fixed to the outer faces of the side walls, upper and lower whaler strips fixed to the stiffener plates, substantially L-shaped whaler supporting plates opposing the stiffener plates and extending between the upper and lower whaler strips, spacer blocks positioned between the side walls and having abutting edges, channel-shaped end pieces, means for removably securing the end pieces in an upright position between the ends of the side walls, means carried by the web portions of the end pieces for providing a recess in the formed wall, and means for adjustably securing the spacer blocks to the whaler supporting plates said means including

nuts having turning handles journaled on said whaler supporting plates for rotation.

2. The combination of claim 1 wherein said spacer blocks include upper end portions projecting upwardly from the side walls, and lower end portions having notches for engaging and centering a reinforcing rod between the side walls.

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