Oct. 11, 1932. A. ROEDIG 1,881,971

ADJUSTABLE FORM FOR SETTING METAL WINDOWS IN CONCRETE

Filed Dec. 12, 1930 2 Sheets-Sheet 1

Fig. 1.

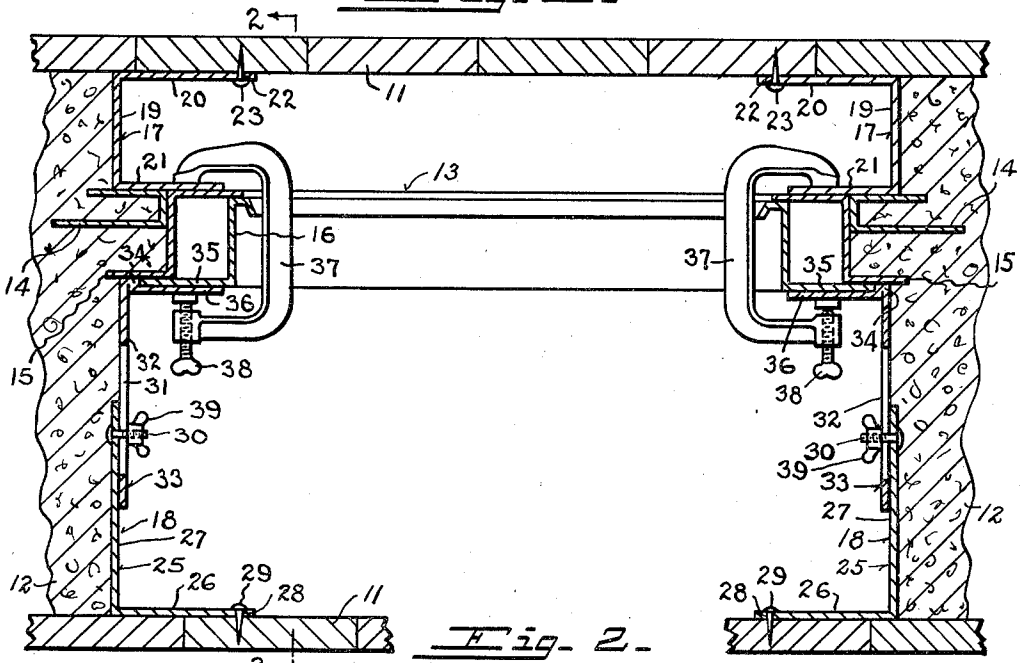
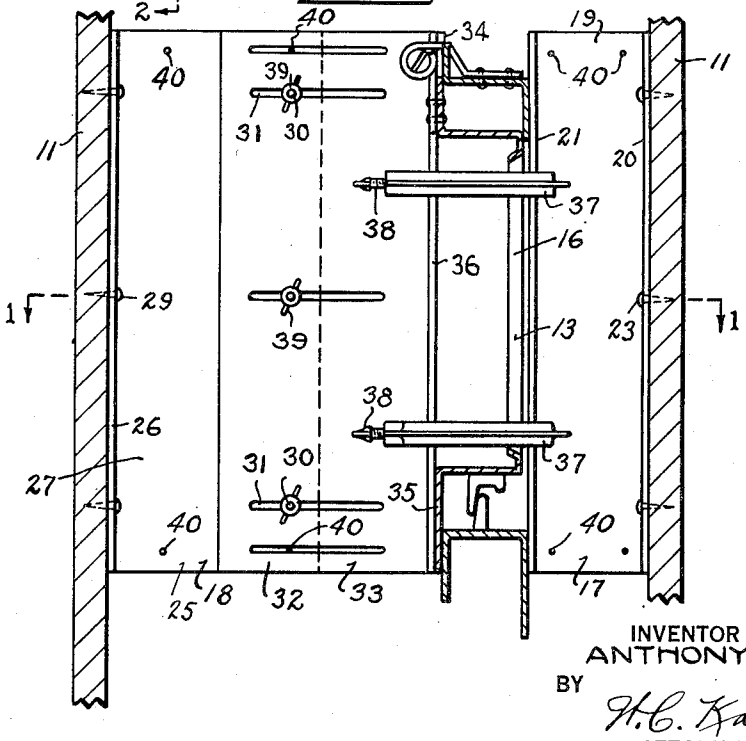


Fig. 2.



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Fig. 3.

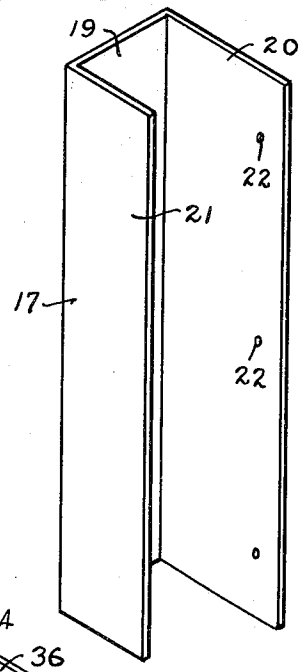
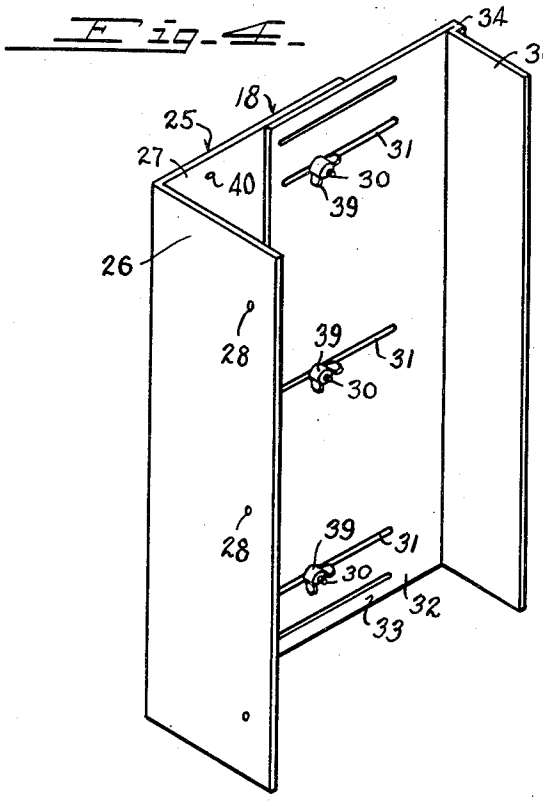


Fig. 4.



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ADJUSTABLE FORM FOR SETTING METAL WINDOWS IN CONCRETE

Application filed December 12, 1930. Serial No. 501,896.

My invention relates to an adjustable form for setting metal windows in concrete. Heretofore it has been the practice to block up the steel window in the form which required considerable time and the lumber used for this purpose would often warp when contacted by the wet concrete and cause the window to be set out of line. The lumber after being used for this purpose is usually coated with concrete and warped making it unfit for other purposes.

My device overcomes all of the objections to the old method and is easy to attach and remove and can be easily cleaned.

The object of my invention is to provide adjustable forms for positioning metal windows relative to the wall forms, whereby when the concrete is poured to form the wall, it will securely anchor the metal window in the wall.

A further object is to have the form adjustable whereby it may be used in setting windows in walls of various thicknesses. Still further objects reside in the novel construction of parts.

The invention will be further readily understood from the following description and claims, and from the drawings in which latter:

Fig. 1 is a horizontal cross-section of the device taken in the plane of the line 1—1 of Fig. 2.

Fig. 2 is a vertical section of the same taken in the plane of the line 2—2 of Fig. 1.

Fig. 3 is perspective view of one of the forms and,

Fig. 4 is a perspective view of the other form.

In building concrete walls or foundations, wood forms 11 are used wherein the concrete 12 is poured. Metal windows 13 have their frames set in the concrete. These windows comprise anchoring channels 14, 15 and a movable frame 16 to which the window panes are secured.

My device comprises a pair of members 17 and 18. The member 17 is of a U-shape, having a base 19 and legs 20 and 21. The leg 20 is provided with holes 22 arranged to receive suitable nails 23 which are driven into the usual wood form 11 of the wall.

The member 18 is adjustable and comprises a plate 25 bent at right angles having legs 26 and 27. The leg 26 is provided with holes 28 to receive suitable nails 29 driven into the wall of the form 11. The leg 27 has a plurality of bolts 30 arranged to extend through elongated slots 31 in a leg 32 of an angle member 33, which is provided with an offset 34 arranged to fit the outer edge of the flange 35 of the movable frame of the window. A leg 36 of said angle member 33 rests against the flange 35. A clamp 37 having a screw 38 clamps the window frame between the members 21 and 36. Thumb nuts 39 are received over the threaded ends of the bolts 30 for clamping the members 27 and 31 together.

The forms are provided with a plurality of holes 40 permitting suitable boards to be nailed between the window supporting frames to prevent the poured concrete from working up between the forms.

The forms are also provided with holes 40 at the upper edge, whereby they can be used on either side of the window frame and are therefore reversible. The forms are made sufficiently long to accommodate the largest size window. When using the form with smaller windows the form projects above the window.

After the windows are set in the forms, the concrete is poured, anchoring the outer window frame therein. When the concrete has set, the clamps are removed, the nails pulled out and the window supporting form can be lifted out and ready to use for another job.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent, is;

1. In a concrete wall construction comprising forms for said wall, pairs of U-shaped members secured to said forms, one of said pairs of U-shaped members being adjustable and provided with an offset, a window and a frame positioned between said U-shaped members, said offset fitting said window and frame, means for clamping said frame between said U-shaped members, and said frame extending beyond said U-shaped members

whereby the formed concrete will anchor said frame.

2. In a concrete wall construction comprising vertical forms for said wall, pairs of U-shaped members secured at right angles to said forms, a metal window and frame clamped between said members, said window frame extending beyond said members whereby the poured concrete will anchor said frame to said wall.

3. In a concrete wall construction a pair of vertical spaced apart forms, a pair of spaced apart U-shaped members secured to one of said forms, a pair of spaced apart adjustable U-shaped members secured to the other of said forms, a metal window and frame clamped between said members, said frame having outwardly extending flanges extending beyond said members, whereby upon pouring concrete into said forms said window frame will be anchored therein.

In testimony whereof, I have hereunto signed my name.

ANTHONY ROEDIG.