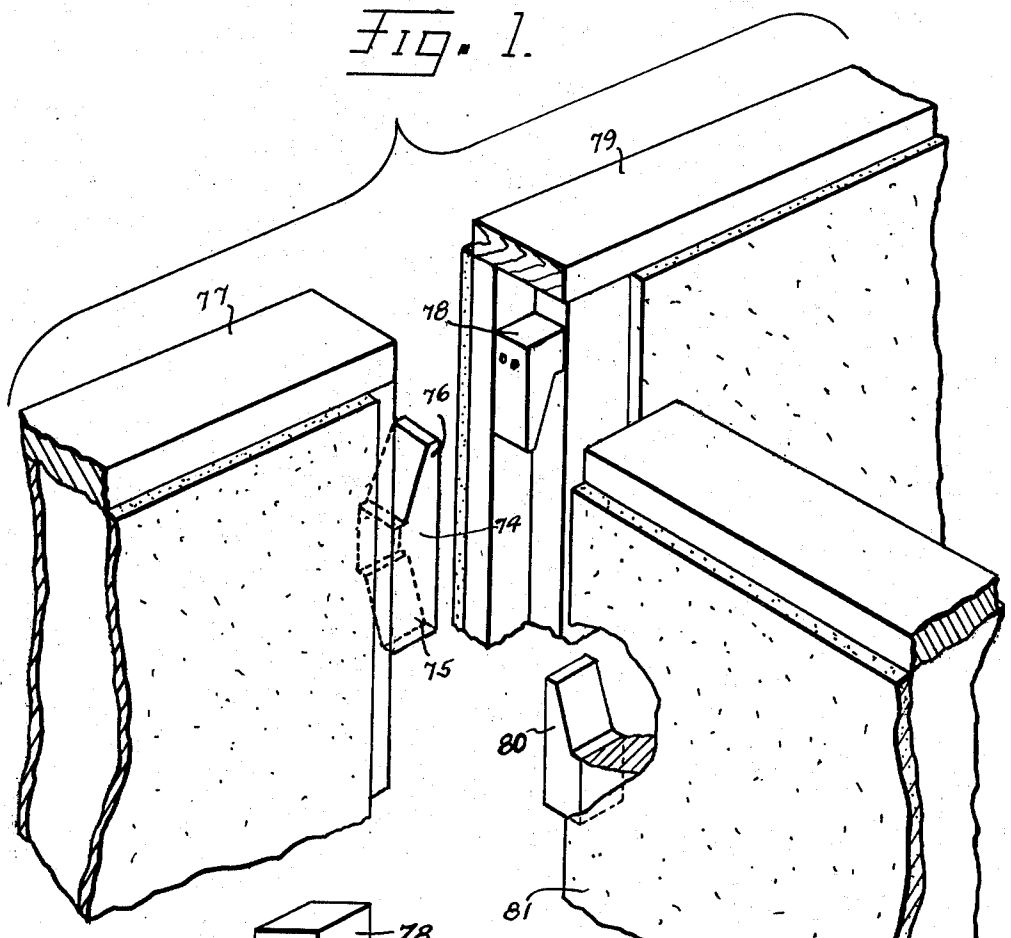
Jan. 7, 1947. W. W. RAUSCH 2,414,060

INTERLOCKING WEDGE JOINT FOR SECURING TOGETHER PREFABRICATED BUILDING PANELS

Filed Dec. 8, 1943

Fig. 1.



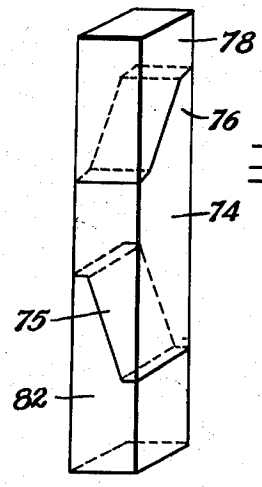


Fig. 2.

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INTERLOCKING WEDGE JOINT FOR SECURING TOGETHER PREFABRICATED BUILDING PANELS

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Application December 8, 1943, Serial No. 513,437

1 Claim. (Cl. 20—4)

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This invention relates to fabricated building constructions.

An object of this invention is to provide a fabricated building construction in which the walls are of such a construction that the building can be assembled in a short time and the various parts making up the building will be firmly locked together.

Another object of this invention is to provide a fabricated building construction wherein the walls are initially formed as panels, and the abutting edges of the panels are provided with interlocking fastening means which is so constructed that the weights of the panels will tend to firmly hold the panels together.

A further object of this invention is to provide an improved locking means for locking building panels together, the locking means being of such construction that aligned edge abutting or right angularly related panels may be firmly locked together.

With the foregoing objects and others which may hereinafter appear, the invention consists of the novel construction, combination and arrangements of parts as will be more specifically referred to and illustrated in the accompanying drawing, wherein is shown an embodiment of the invention, but it is to be understood that changes, modifications and variations may be resorted to which fall within the scope of the invention as claimed.

In the drawing,

Figure 1 is an exploded perspective view of a compound interlocking wedge construction embodying this invention for interlocking a pair of aligned edge abutting panels and also a right angular panel,

Figure 2 is a perspective view of the compound wedge with the elements thereof in locked position.

Referring to the drawing there is disclosed a wedge construction for interlocking a pair of edge abutting and aligning panels together with a right angularly disposed panel. This compound wedge construction includes an intermediate wedge block 74 which is formed with a lower wedge member 75 and an upper wedge member 76. The two wedge members 75 and 76 are disposed at right angles to each other and the wedge body 74 is adapted to be secured by suitable fastening means to one aligning panel 77.

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An upper wedge or locking member 78 is secured to the adjacent inner edge panel 79 aligning with panel 77. A lower locking or wedge member 80 is adapted to be secured to the adjacent edge of a right angularly disposed panel 81, and the wedge 80 is constructed similar to the construction of wedge 32. Wedge 80 is adapted to engage with wedge 75.

With a construction as hereinbefore described, the building may be prefabricated into panels of desired size and thickness and when the various outer and inner wall panels are interlocked together, the weights of the several panels will tend to more firmly bind or wedge the panels together.

The inner wall panels will hold the outer walls against outward and inward movement so that no additional locking means need be provided for the outer vertical walls. However, in order to more firmly bind the various panels together, the inter-engaging locking or wedging members may be secured together after the panels are in position by any suitable fastening means so that the various panels will not bulge or warp under conditions which cause such bulging or warping.

I do not mean to confine myself to the exact details of construction herein disclosed, but claim all variations falling within the purview of the appended claim.

What I claim is:

In a prefabricated building, a pair of aligned wall forming panels, an inner wall forming panel extending at right angles to said pair of panels, and means for locking the abutting ends of said panels together, said locking means comprising a block secured to an end of one of said aligned panels, said block being formed with an upper locking wedge and a lower locking wedge disposed at right angles to said upper wedge, a downwardly directed locking wedge carried by the other one of said pair of aligned panels engageable with said upper wedge, and an upwardly directed locking wedge carried by said inner panel engaging said lower wedge to thereby lock said inner panel to said pair of panels.

WILLIAM WARREN RAUSCH.