May 24, 1938. F. BOLHUIS 2,118,338

HOUSE MODEL

Filed March 12, 1937 2 Sheets-Sheet 1

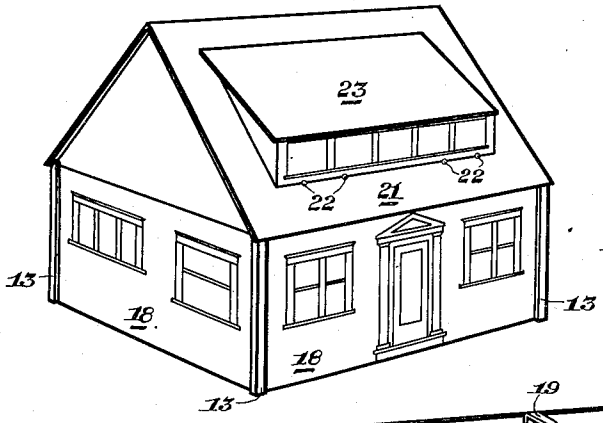



Fig. 1.

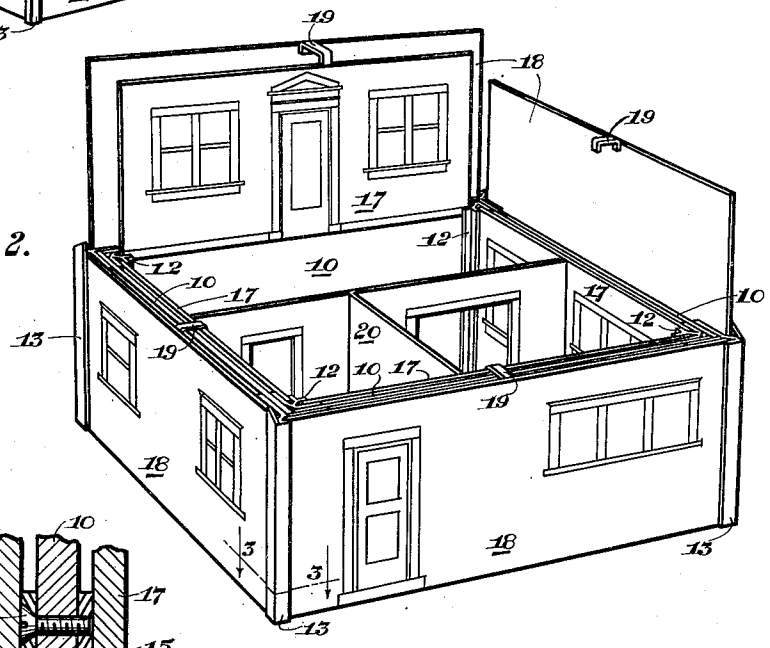



Fig. 2.

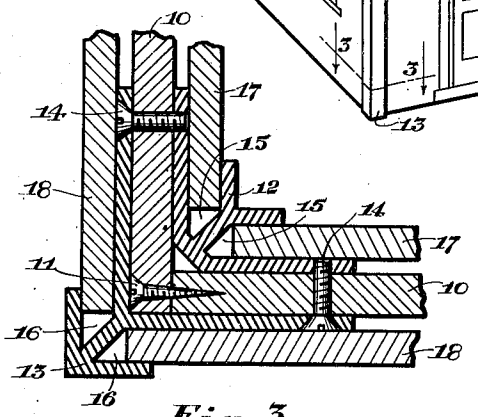



Fig. 3.

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HOUSE MODEL

Filed March 12, 1937 2 Sheets-Sheet 2

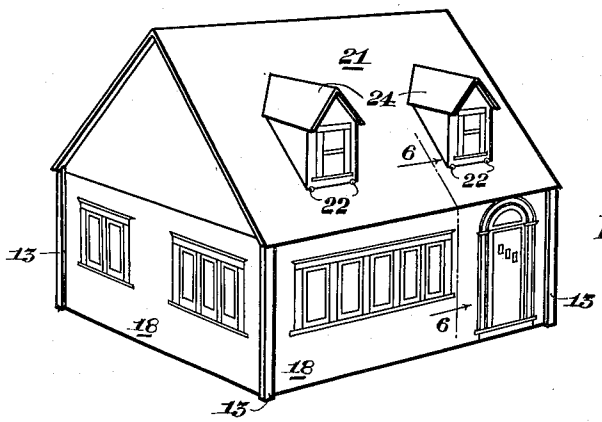



Fig. 4.

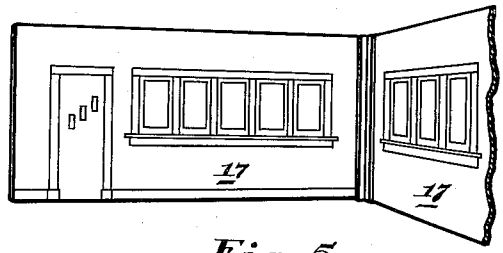



Fig. 5.

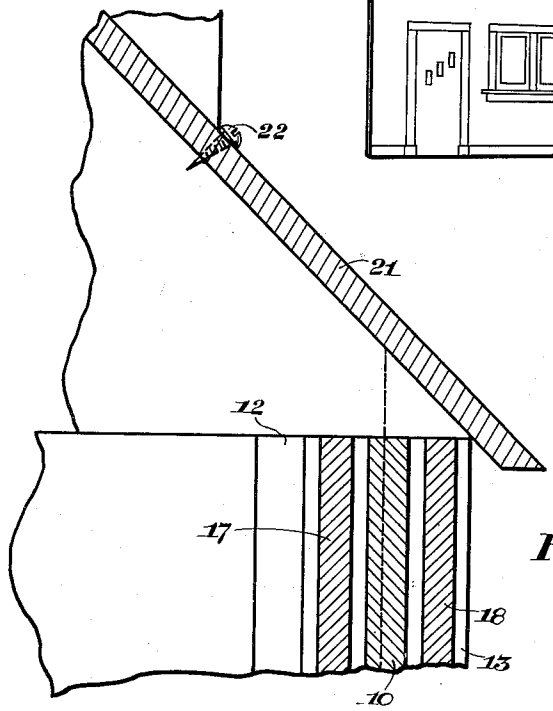



Fig. 6.

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Patented May 24, 1938 2,118,338

# UNITED STATES PATENT OFFICE

2,118,338

## HOUSE MODEL

Frank Bolhuis, Holland, Mich.

Application March 12, 1937, Serial No. 130,437

3 Claims. (Cl. 35—16)

The present invention relates to house models, and more particularly to such structures as may be used by architects, contractors, or lumber companies for demonstration and selling purposes.

The objects of the invention are to provide such a house model having co-related inner and outer walls representing the interior and exterior walls of a house which walls are removable in order that other wall combinations having different interiors and exteriors may be substituted; and further, to provide such a house model by means of which a number of differing dormer arrangements may be demonstrated.

An illustrative embodiment of the invention is shown in the accompanying drawings, wherein:

Figure 1 is a side and front perspective view of the house model to whose frame co-relating interior and exterior walls have been assembled to show one possible arrangement of doors, windows, etc.;

Figure 2 is a side and rear perspective view thereof whose gable roof has been removed to show its interior, certain of the inner and outer wall panels being shown in raised positions;

Figure 3 is an enlarged sectional view on line 3—3 of Figure 2;

Figure 4 is a side and front perspective view of the same frame but showing a different arrangement of doors and windows detachably secured therewith;

Figure 5 is a perspective view of the co-relating inner wall panels of the house model shown in Figure 4; and

Figure 6 is an enlarged sectional view on line 6—6 of Figure 4.

The model shown in these drawings comprises a rectangular frame forming an enclosure having vertically disposed side walls 10 secured together at their opposite ends by wood screws 11. Angle bars 12 are secured to the inside of the frame at each corner thereof, and similar angle bars 13 are secured to the outside of the frame at each corner thereof by machine screws 14 which pass through apertures in each outside angle bar 13 through a side wall 10 and into threaded engagement with the inside angle bar 12.

The angle bars 12, 13 are provided with vertically disposed panel-receiving slots 15, 16 respectively parallel with the adjacent side walls 10, and the opposite ends of the inside panels 17 bearing representations of the inside walls of a house are inserted into the slots 15 of the angle bars 12. Co-relating outside panels 18 bearing representations of the outside walls of the house are inserted at their end portions into the slots 16 of angle bars 13. Thus Figure 2 shows in a raised position an inside front panel 17 having the same window and door arrangement as the outside front panel 18 shown in Figure 1 and an outer side panel 18 having the same window and door arrangement as its co-relating inner panel 17.

The outer panels 18 are here shown as provided with U-clips 19 secured to their inside upper edges which U-clips are adapted to fit over the side walls 10 of the frame and hook behind the inside panels 17 for clamping these members together at the center. A suitable partitioning member 20 is preferably detachably inserted within the interior of the frame and, as shown in Figure 2, is in conformity with the window and door arrangement of the house shown in that view. Other partitioning members embodying different room arrangements may be substituted for this member 20.

The sloping front of the gable roof 21 is provided with laterally projecting stops 22, which serve as supports for a dormer 23 (see Figure 1) or for dormers 24 (see Figure 4). Other types of roofs and dormers may be used, those shown being merely illustrative.

It will thus be seen that many examples of house construction may be demonstrated with the model. In instances wherein a definite floor plan is desired, a suitable partitioning member is disposed within the frame. Inner wall panels may then be selected to conform therewith and outer co-relating panels conforming to the inner panels are then inserted. This procedure may of course be reversed, the outer wall panels being first chosen, and the inner panels and partitions thereafter inserted to conform therewith. Prospective home purchasers may thus have a visual impression of a future home whose interchangeable panels may bear representations of a number of types of construction, such as frame, brick veneer or stucco.

While but several specific embodiments of the invention have been herein shown and described, it will be understood that certain details thereof may be altered or omitted without departing from the spirit of this invention as the same is defined by the following claims.

I claim:

1. In a structure of the class described, a frame having upstanding side walls, angle bars having vertically disposed panel-receiving slots secured to the frame adjacent its several exterior and interior corners, outer panels having opposite ends detachably inserted and retained within the slots of the exterior angle bars, and inner panels hav-

ing opposite ends detachably inserted and retained within the slots of the interior angle bars.

2. In a structure of the class described, a frame having upstanding side walls, angle bars having vertically disposed panel-receiving slots secured to the frame adjacent its several exterior and interior corners, outer panels bearing representations of the outside walls of a house and having opposite ends detachably inserted and retained within the slots of the exterior angle bars, and inner panels bearing representations of the inside walls of a house co-related to the representations on the outer panels and having opposite ends detachably inserted and retained within the slots of the interior angle bars.

3. In a structure of the class described, a frame having upstanding side walls, a roof disposed on top of said frame having a slanting portion provided with laterally projecting stops, a dormer removably disposed on said slanting roof portion and supported by said stops.

FRANK BOLHUIS.