Feb. 26, 1929. 1,703,566

I. A. BAUM

METAL AND WOOD FRAME

Filed June 4, 1928

Fig. 1.

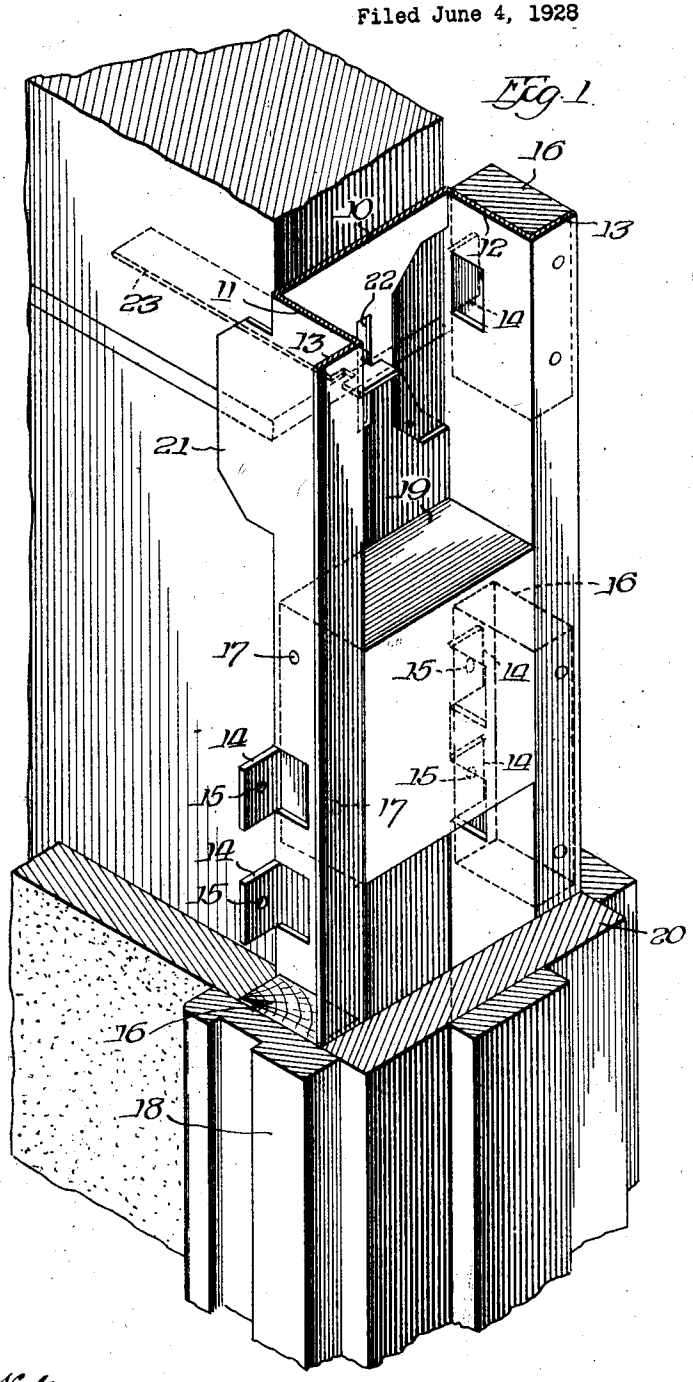
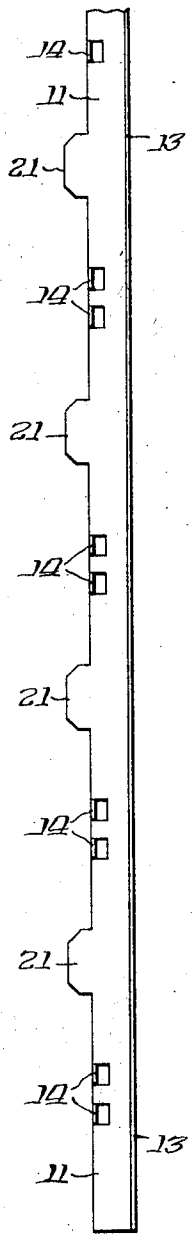


Fig. 2.



Witness:

Fred. C. Dorsey

Inventor

Isaac A. Baum

By Murray & Murray Attys

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UNITED STATES PATENT OFFICE.

ISAAC A. BAUM, OF CHICAGO, ILLINOIS.

METAL AND WOOD FRAME.

Application filed June 4, 1928. Serial No. 282,752.

My invention relates to building construction and particularly to a novel metal buck provided with means for mounting wood trim thereon.

An object of my invention is to provide a rough buck that shall combine the elements of extreme rigidity, absence of distortion due to warping and shrinkage, economy in original cost and simplicity in installation.

In order to adapt the metal buck to general use where wood trim is specified, suitable means must be provided for mounting the trim thereon. The result is accomplished in the construction herein disclosed by providing a channel-shaped metal frame member adapted to receive wood blocks to which the jamb may be directly nailed. In addition I provide wood blocks exteriorly of the channel and utilize said blocks as a mounting for the usual trim. The exterior blocks are held in place by means of continuous flanges projecting laterally at right angles from the flanges of the channel and serving as a plaster ground together with ears struck out from the channel and projecting parallel to the continuous flanges, the block being held between these parallel members and nailed thereto.

The construction will be more readily understood by reference to the accompanying drawings, in which—

Fig. 1 is a sectional perspective view of a section of a frame and wall arranged in accordance with my invention;

Fig. 2 is a side view of one of the metal bucks.

The novel metal buck is in the form of a channel having a web 10, flanges 11 and lateral marginal flanges 13, projecting at right angles to the flanges 12. The exposed edge of the flanges 13 serves as a plaster ground.

Struck out from the metal of the flanges 12 are ears 14 projecting parallel to the flanges 13 and having nail holes 15 therein. Short lengths 16 of wood are mounted in the space between the ears 14 and the flanges 13, nails being passed through the nail holes 15, and 17. Trim such as indicated at 18 may be nailed to the wood blocks in the same manner as to a wood stud or rough buck. Wood blocks 19 are also secured within the channel and serve as a mounting for the jamb 20 which may be of any desired form. The construction described avoids the necessity for the use of a sub-jamb with consequent saving in material and installation costs.

As a means for positioning the frame relative to a tile or other masonry wall, I strike out ears 21 from the web of the channel, the lugs or ears projecting rearwardly parallel to the flanges 11, 12. I may also provide a slot 22 in the web adapted to receive the head of an anchor 23 that is seated between adjacent courses of masonry.

The construction described provides a simple and economical means for building and installing frames. All of the operations including the installing of the wood blocks may be done in the shop and the frames shipped ready for immediate installation.

Modifications may be made in the construction shown and I do not wish to be limited except as indicated in the appended claims.

I claim:

1. In a frame, the combination of a metal channel having a lateral margin projecting from the outer edge of a flange of the channel, a wood member seated in the channel, a jamb secured to said member, a second wood member secured in the angle of said flange and said lateral margin, and trim secured to said second wood member.

2. In combination, a metal channel having a continuous lateral marginal flange projecting from a channel flange, a wood block in the channel adapted to act as a support for a jamb, a wood block outside of the channel and secured to the lateral marginal flange and adapted to act as a support for trim.

3. In combination, a metal channel having a continuous lateral marginal flange projecting from a channel flange, an ear struck out from the channel and projecting parallel to said marginal flange, a wood block in the channel adapted to act as a support for a jamb, a wood block outside of the channel and secured to the lateral marginal flange and ear and adapted to act as a support for trim.

4. In combination, a channel-shaped rough buck having continuous lateral marginal flanges, ears struck out from the metal of the channel and projecting parallel to the marginal flanges, and wood members located outside of the channel between said ears and said flanges and secured thereto and adapted to support trim.

5. In combination, a channel-shaped rough buck having continuous lateral marginal flanges and ears struck out from the flanges of the channel and projecting parallel to the marginal flanges, other ears struck out from the web of the channel and projecting rearwardly to act as tile lugs, and wood members seated between the marginal flanges and said first mentioned ears and secured thereto and adapted to receive trim.

In testimony whereof I have affixed my signature.

ISAAC A. BAUM.