

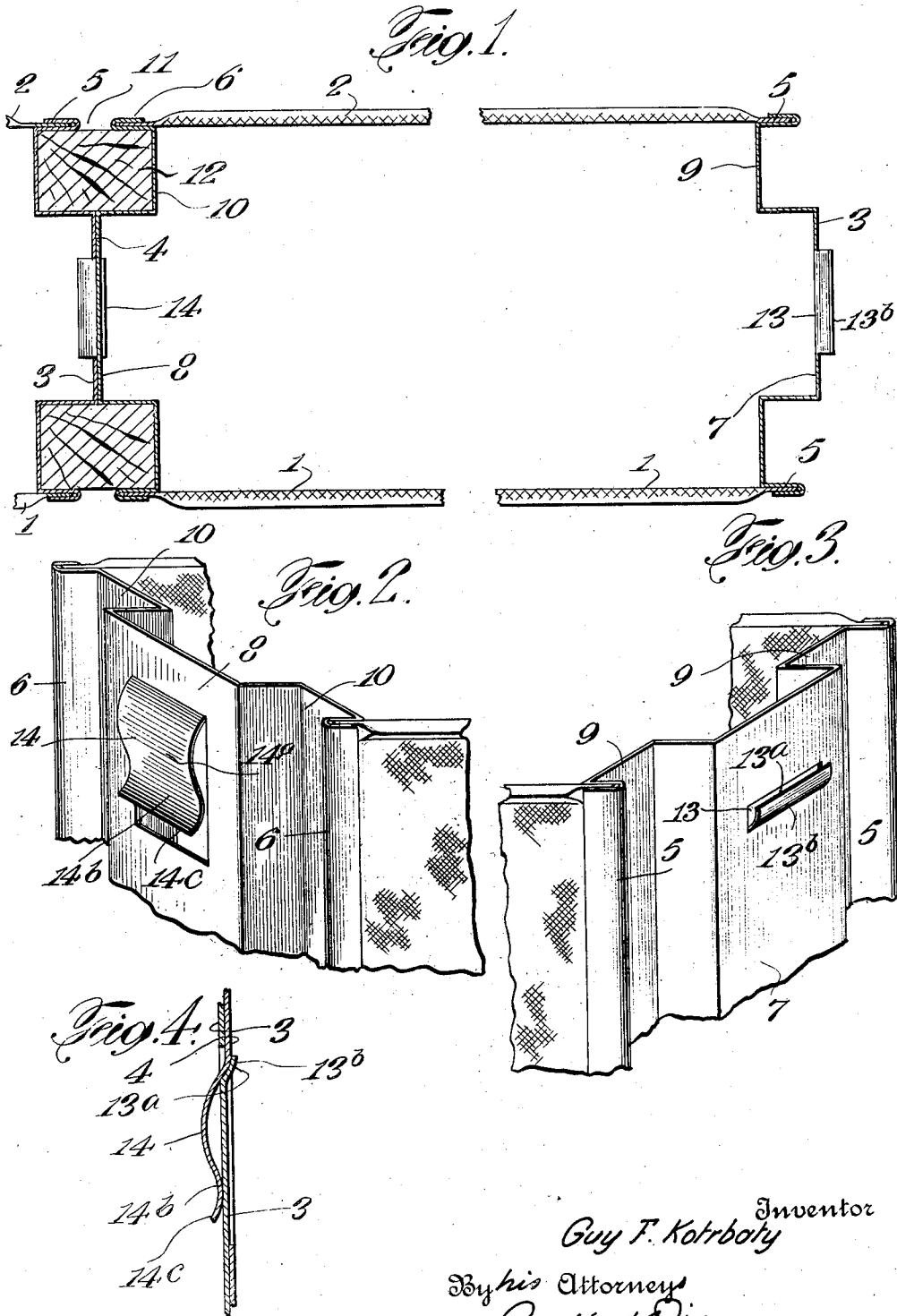
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PARTITION WALL ASSEMBLY

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PARTITION WALL ASSEMBLY

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1 Claim. (Cl. 72—115)

This invention relates to improvements in building construction units, and more particularly to an improved grid member having clip-locking devices incorporated therein.

5 This application is a substitute for abandoned application Serial No. 473,249, filed Aug. 5, 1930.

10 In my prior U. S. Patent No. 1,877,898 of September 20, 1932, for Improved construction unit and system, there is disclosed a grid construction in which successive grids are juxtaposed and held in operating relationship by means of suitable configured key members. Where structural strength is of importance such key members are best used as described in the above
15 identified application. However, in work where the keys and associated key ways are not required to support any loads, as in the case of partition walls and other like constructions, the use of involved keys and key ways, which while
20 structurally efficient, are somewhat costly for the purposes to which they are applied.

It is an object of this invention to provide an improved construction grid retaining system.

25 It is another object of this invention to provide such an improved system in which the respective grids are provided with mutually interlocking members.

30 These and other desirable objects and advantages of the present invention will be described in the accompanying specification and illustrated in the drawing, certain preferred embodiments being shown by way of illustration only, for, since the underlying principles may be incorporated in other methods or constructions and embodied in other specific devices, it
35 is not intended to be limited to the one here shown except as such limitations are clearly imposed by the appended claim.

40 In the drawing like numerals refer to similar parts throughout the several views, of which, Fig. 1 is a horizontal section of a construction unit incorporating the novel features of the present invention;

Fig. 2 is a perspective view of a key clip member;

45 Fig. 3 is a view similar to Fig. 2, showing a key clip receiving slot; and
Fig. 4 is a vertical section showing the method of locking a pair of juxtaposed units.

50 Referring now to the drawing, there is shown in Fig. 1 a building construction unit of the type disclosed in my prior application Serial No. 295,705, including front and back wall portions 1 and 2, together with associated end members 3 and 4 clipped or otherwise secured to the wall

members by means of crimps 5 and 6 in the end members. While the members are shown as crimped together, it will, of course, be understood that they may be welded, brazed, or soldered together in any well-known manner.

5 The end members 3 and 4 comprise central channel sections 7 and 8, together with channel portions 9 and 10 on either side, which channel portions are prolonged to form the crimping sections 5 and 6 above referred to. The members 9 and 10 are substantially rectangular in cross section and when a pair of grid members are abutted form a channel 11 adapted to receive
10 furring strip 12 of wood or any other suitable material. The sections 7 and 8 of the members 3 and 4 are provided respectively with clip key receiving slots 13, and clip keys 14 both formed
15 integrally with the members. However, if desired, the end members 3 may be punched out to form the slots, and the members 8 may have
20 clip keys secured thereto in any well-known manner, as by welding, soldering, or brazing, instead of having them formed directly from the structure itself.

25 As indicated more particularly in Figs. 2 and 4, the clip keys 14 comprise tongue-like members struck out from the body of the end sections, and so configured as to preferably present a curved body portion 14a with a depending
30 tongue portion 14b, the latter being bent inwardly towards the member and provided with an outwardly flaring member lip 14c adapted to engage the lip 13a of the slot 13, and be guided
35 in gripping relation against the inner side of section 3 of an adjoining grid member, as particularly noted in Fig. 4.

Referring more particularly to Figs. 3 and 4, it will be noted that the clip key receiving slot comprises a struck out portion 13b, having the lip 13a adapted to coact with sections 14c and 40 14b of the clip key 14, and forces member 4 into close abutment to member 3, the two said members being mutually interlocked by means of the clip keys 14 coacting with the sections 3 of certain of the grids. The members 13b in
45 coaction with the sections 14c and 14b of members will serve to guide the same into position as the interengaging tongues or clip members are adapted to receive and guide each other into
50 locking position whereby to hold the stud or stanchion section 8 of abutted self-supporting open ended grid members or building construction units together in locked position.

While the clip keys and associated slots have been illustrated as being severally formed on 55

separate end sections of the construction units, it will, of course, be appreciated that any given end section may be provided with both clip key members and key receiving slots, such portions being suitably alternated to permit the association of a plurality of units in any desired manner. Such a construction might be particularly desirable where added strength is required.

- 10 As above intimated, the construction here disclosed is particularly suited for use in construction units adapted for partition walls and other like constructions, and permits the formation of such partition walls speedily while providing a positive interlock of the abutted units, as well as providing an improved plaster receiving surface, and furring strips permitting the nailing of pictures, and the formation of handling of any sort. In addition, due to the insulating space forming the interior of the several units, such walls are heat and sound-proof.
- 15 It is further to be noted that due to the relatively small amount of material required for the construction considerable savings in material only are insured, as the members can be readily assembled by unskilled labor, and the

excessive costs due to skilled labor are done away with.

It will now be appreciated that there has been provided an improved method and means for assembling partition walls and other such sections, which means include clip keys and associated slots formed in respectively abutting end sections of improved building units of the type generally set forth and described in my prior Patent No. 1,877,898 of September 20, 1932, and associated applications.

What is claimed is:—

An improved wall construction assembly including abutted wall members severally comprising, in combination, parallel panel sections forming wall surfaces, end sections supporting and spacing the said panel sections, said end sections including locking means adapted to engage and coact with means in abutted like members whereby to lock abutted units together, the said locking means comprising a short guiding tongue projecting from an end section and adjacent a slot therein, the second abutted building member having a locking tongue passing through the said slot and engaged by the said guiding tongue.

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