Feb. 2, 1926. **1,571,645**

I. ROČIĆ

BUILDING CONSTRUCTION

Filed April 2, 1920 2 Sheets-Sheet 1

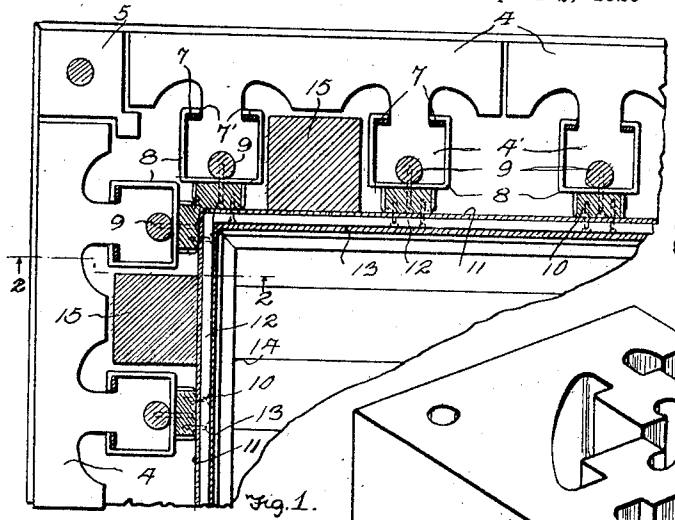


Fig. 1.

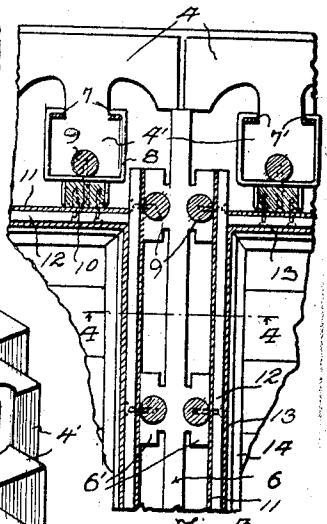


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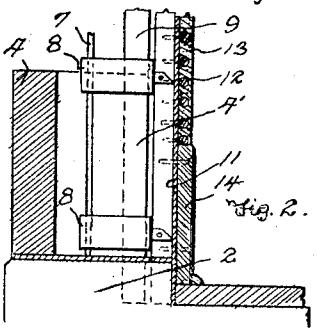


Fig. 2.

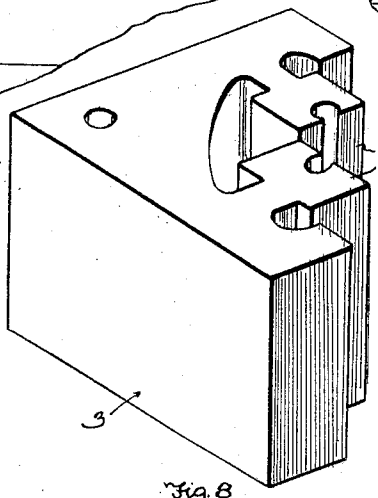


Fig. 8

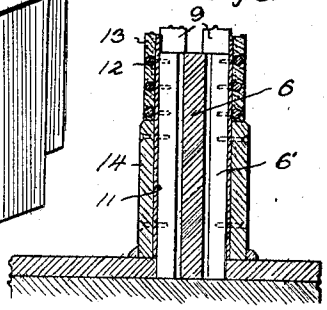


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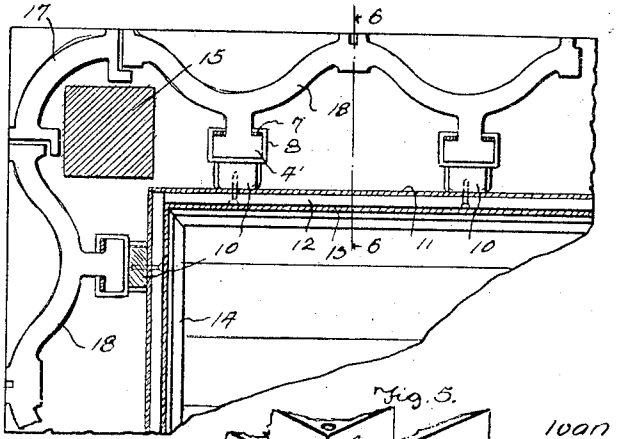


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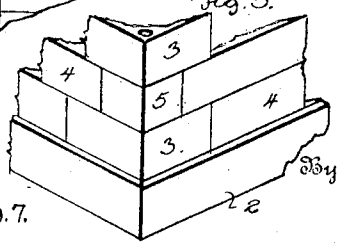


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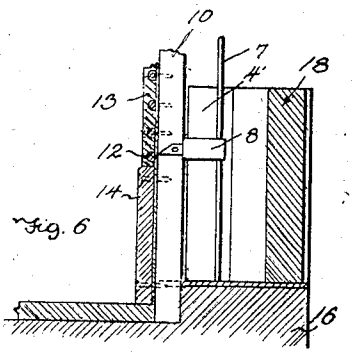


Fig. 6

Witnesses
C. C. Churchman Jr.
H. H. Wright

Ivan Ročić Inventor

By Richard B. Owen

Attorney

Feb. 2, 1926.

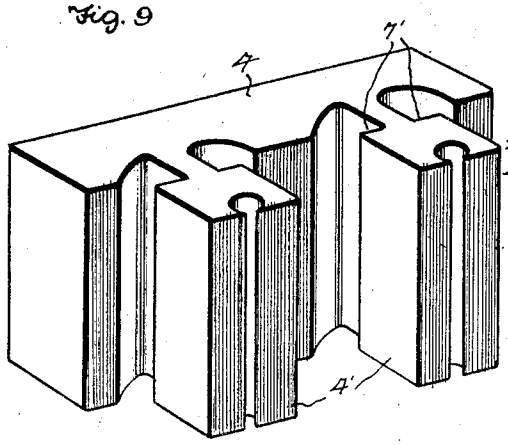
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I. ROČIĆ

BUILDING CONSTRUCTION

Filed April 2, 1920 2 Sheets-Sheet 2

Fig. 9



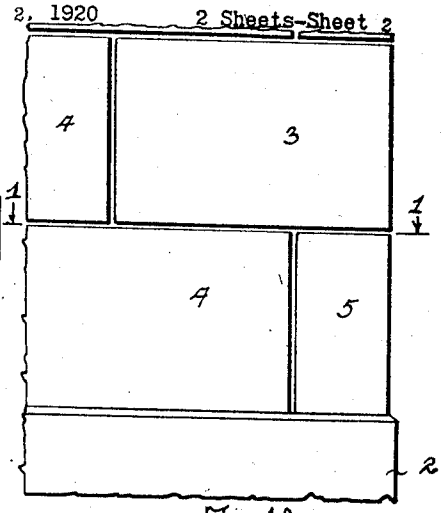
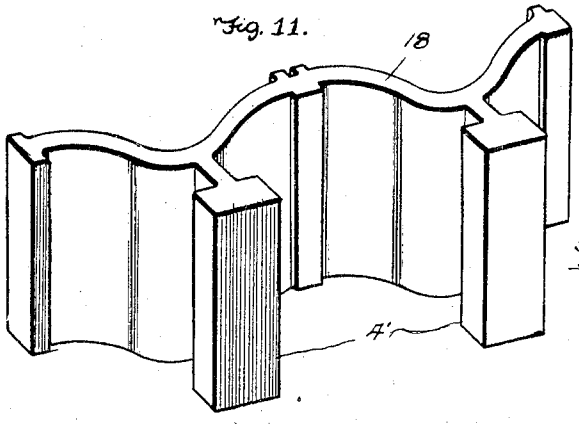


Fig. 10.

Fig. 11.



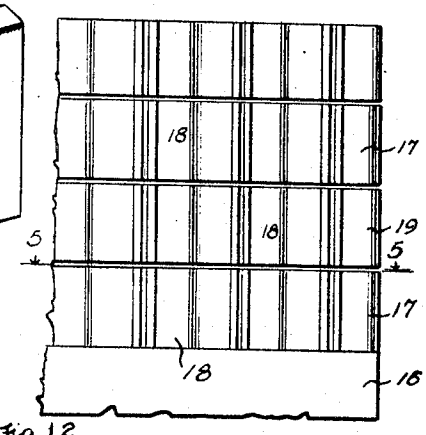


Fig. 12.

Fig. 13.

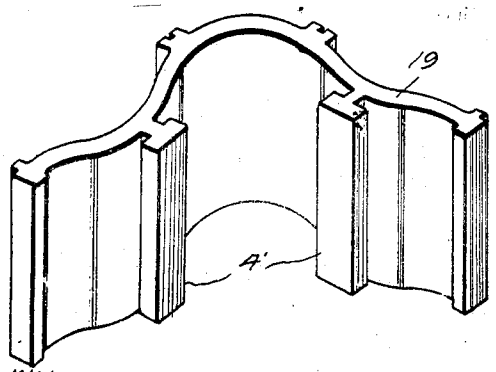


Fig. 14

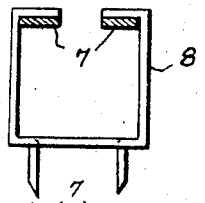
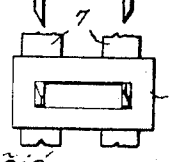


Fig. 15.



Witnesses
C. G. Churchman Jr.
H. W. Wright

Ivan Ročić, Inventor

By Richard B. Owen

Attorney

Patented Feb. 2, 1926. 1,571,645

UNITED STATES PATENT OFFICE.

IVAN ROČIĆ, OF NEW YORK, N. Y.

BUILDING CONSTRUCTION.

Application filed April 2, 1920. Serial No. 370,841.

To all whom it may concern:

Be it known that I, IVAN ROČIĆ, a citizen of the Kingdom of Croatia, Yugoslavia, and a resident of the city of New York, borough of Manhattan, county of New York, and State of New York, have invented certain new and useful Improvements in Building Construction, of which the following is a specification.

My invention relates to improvements in building construction; and has for its object the provision of manufacturing efficient building material suitable for use in building construction in general.

The invention consists of the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings forming a part of this specification and in which,

Figure 1 is a horizontal section illustrating an outside wall constructed in accordance with this invention, the section being taken on the line 1—1 of Figure 10 of the drawings.

Figure 2 is a vertical section taken through the wall on the line 2—2 of Figure 1 looking in the direction of the arrows,

Figure 3 is a horizontal section illustrating a part of the partition wall,

Figure 4 is a vertical section through the partition wall taken on the line 4—4 of Figure 3 looking in the direction of the arrows,

Figure 5 is a horizontal section through a modified form of wall taken on the line 5—5 of Figure 12, looking in the direction of the arrows,

Figure 6 is a vertical section through the modified type of wall taken on the line 6—6 of Figure 5 looking in the direction of the arrows,

Figure 7 is a fragmentary perspective view of one corner of the building of the first or preferred type,

Figure 8 is a detail perspective view of one of the corner blocks utilized in the preferred type of wall,

Figure 9 is a perspective view of one of the blocks utilized in the forming of the side walls in the preferred type,

Figure 10 is an enlarged fragmentary side elevation showing a corner of the building constructed from the preferred type of blocks,

Figure 11 is a perspective view of one of the side wall blocks utilized in the modified type of wall,

Figure 12 is a fragmentary side elevation showing the modified type of wall,

Figure 13 is a detail perspective view of one of the corner blocks utilized in the modified type of wall,

Figure 14 is a top plan view on the clamp showing the same engaging the bracing strips, the bracing strips being shown in section,

Figure 15 is a fragmentary front elevation of the bracing strips and clamp.

The preferred form of manufacture and construction as illustrated in the drawings comprises a suitable home building consisting of solid base or cellar walls 2, with its walls composed preferably of blocks, 3, 4, 5 and 6. The inner faces of these blocks 4 and the opposite faces of the blocks 6 are provided with laterally extending projections 4′ and 6′ respectively and these projections fall into vertical alignment when the blocks are properly assembled and define a plurality of vertical columns. The inner faces of the projections 4′ are undercut to provide shoulders 7′ for a purpose, which will be hereinafter more fully described. The outside walls are preferably braced with strips 7 which are placed in engagement with the shoulders 7′, and clamps 8. The strips 7 and clamps 8 can be eliminated in the partition walls. The blocks 3, 4, 5 and 6 are united and reinforced by vertical penetrative rods 9 and it can be seen that these rods 9 extend through suitable openings formed in the projections 4′ and 6′ on the blocks 4 and 6. These rods 9 also serve as bases for the fastening of vertical carriers 10 forming a part of the outside walls and direct fastening bases for lathing in construction of partition walls, and as bases for insulation members 11 and base boards 14 when used instead of concrete. Lathing members indicated by the numeral 12 are fastened by means of nailing the same to vertical carriers 10 on the outside walls and to the vertical rods 9 direct in partition walls. These lathing members in both cases provide a suitable base for the reception of a composition of plaster 13. I also prefer to use members 15, which can be suitable posts, timber or the like between the blocks, which serve as additional reinforcements therefor.

In Figures 5, 11, 12 and 13, I have shown a slightly modified form of the invention which embodies blocks 17, 18 and 19. These blocks 17, 18 and 19 can be covered by a suitable facing if so desired. It is to be noted that the blocks and the method of assembling the same is substantially the same as in the preferred form and that the inner faces of the blocks 18 and 19 are provided with lateral projections which are undercut, the same as projections 4'. As stated in the modified form, the blocks are constructed on the same principle as those in the preferred form, except that the blocks are different in shape and thickness and the rods 9 are preferably eliminated.

While I have illustrated and described the preferred form of construction for carrying my invention into effect this is capable of variation and modification without departing from the spirit of the invention. I therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

Having described my invention what I claim as new and desire to secure by Letters Patent is:

1. A building construction comprising a plurality of superposed blocks, projections upon one face of each block, said projections falling into vertical alignment when the blocks are properly assembled defining a plurality of vertical columnar arrangement, said projections having vertical passages therethrough, rods passed through said passages to hold the vertical series of blocks against dislodgement, furring strips applied to said projections, penetrative elements passing through said furring strips and into the rods, and a plaster foundation applied to said furring strips.

2. A building construction comprising superposed blocks, each block having a plurality of projections falling in vertical alignment when the blocks are assembled to define vertical columnar structures, said columnar structures being undercut, detachable clamping members embracing said columnar structures, furring strips applied to said columnar structures, said clamping members having means to embrace the furring strips, and plaster foundation applied to said furring strips.

3. A wall construction which is undulating in horizontal section and comprised of individual building units in superposed relation, each unit having a plurality of projections upon the inner apices thereof said projections falling in vertical alignment when the units are assembled defining vertical columnar structures, said columnar structures being undercut upon the inner sides, detachable clamps embracing said columnar structure and the undercut portions thereof, parallel extensions formed on said clamps, furring strips held between said extensions and the clamps, and a plaster foundation applied to said furring strips.

4. A building unit having a plurality of projections extending from one side whereby when the blocks are assembled in superposed relation the projections may fall in vertical alignment to define vertical structures, and locking shoulders formed on said projections defining seats for the reception of reinforcing elements.

5. A building unit having a plurality of projections extending from one side, said projections being undercut upon their inner sides defining locking shoulders for the reception of reinforcing elements.

6. A building block of zigzag conformation comprising two apices at one side of the block and one full apex and two semi-apices at the other side thereof, and integral extension upon the full apices at one side of the block.

7. A building construction comprising structural units disposed in superposed relation, inwardly extending projections formed upon the inner faces of the units disposed in vertical alignment, locking shoulders formed upon said projections, nailing strips disposed against said projections and clamps detachably engaging said strips and said locking shoulders for holding said strips in position.

8. A building construction including a plurality of structural units, inwardly extending T-shaped projections formed on said structural units having aligned vertical openings therein, the T-shaped extensions forming locking shoulders, vertical binding posts disposed in said aligned vertical openings in the projections for binding said units together, vertical strips disposed in engagement with the inner faces of said projections, and clamps engaging said strips and said locking shoulders defined by said T-shaped projections.

In testimony whereof I have signed my name to this specification.

IVAN ROČIĆ.