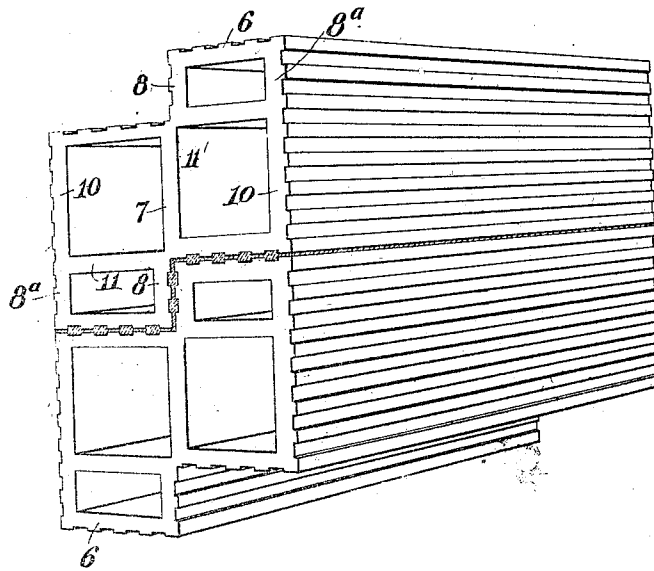


E. J. McGETTIGAN.
BUILDING BLOCK.
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1,023,748.

Patented Apr. 16, 1912



WITNESSES:-

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UNITED STATES PATENT OFFICE.

EDWARD J. McGETTIGAN, OF CLEVELAND, OHIO.

BUILDING-BLOCK.

1,023,748.

Specification of Letters Patent.

Patented Apr. 16, 1912.

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To all whom it may concern:

Be it known that I, EDWARD J. McGETTIGAN, citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Building-Blocks, of which the following is a specification.

This invention relates to building blocks 10 and particularly to that class thereof known as hollow tile blocks.

The object of the invention is to provide a hollow interlocking tile characterized by an absence of straight joints and which can 15 be so laid in a wall as to produce a water proof wall. The tile is so constructed as to break joints between the courses, thereby insuring greater strength.

A further object of the invention is to 20 provide a tile which can be built up to produce walls of varying thickness, and it will be attended with the various other advantages with respect to cost and labor of building, incident to the use of hollow tile as compared to brick. Also, the tile is provided with corrugations so that plaster may 25 be applied thereto without the use of laths or furring. It may be used for stucco houses, to conveniently receive the exterior coat, as well as a backing for face brick, partitions and the like.

A wall constructed of the blocks will have the advantage that it is moisture proof and sound proof and will be warm in winter and 35 cool in summer.

The invention is illustrated in the accompanying drawing which is a perspective view of a wall section constructed of the blocks.

Referring specifically to the drawings it will be seen that the blocks are symmetrically constructed, to fit one upon the other, each block comprising a hollow rectangular tile the side or vertical webs of which are 45 indicated at 10, and the top and bottom or horizontal webs at 11, with a middle vertical web 7 extending lengthwise and dividing the hollow of the block in two parts.

Integral with each upper and lower web 50 of the block is a hollow extension consisting of side webs 8 and 8^a and a cross web 6, the whole forming a rectangular block with offsets or extensions at the top and bottom, said extensions being located respectively 55 on opposite sides of the median line. These extensions are of equal height, so that when

the blocks are laid in a wall the extensions on one block will fill the corresponding spaces beside the extensions of the corresponding blocks of the courses above and below. Preferably the height of the extensions is equal to half the height of the body of the block, but this is immaterial, as the steps or offsets may be of any height desired.

It will be noticed that the surface of the inner wall 8 of each extension is in line with the middle of the intermediate web 7 of the body of the block. This is a feature of importance with respect to strength, since the joint is brought directly over the web 7, instead of being offset therefrom, and the weight is thus equally distributed to all parts of the body of the tile, since the weight on the meeting webs 8 will rest directly over the web 7, and this is carried on up throughout the wall. There is consequently much less tendency to crush the body of the block at either end thereof, than there would be if the line of middle support were not direct or straight. This is also true with respect to the horizontal intermediate webs 11 and the walls of the main body in line therewith, so that the same advantage results, whether the blocks be laid 85 in vertical or horizontal courses.

The blocks thus constructed will be set one upon the other in the manner illustrated, with mortar at the joints between the top and bottom faces.

The joint faces, and also the side faces, of the block are corrugated, or ribbed lengthwise as shown, which assists in forming a bond between the blocks, as well as permitting the application of stucco or plaster directly to a wall or partition made of the blocks.

In laying the tile the blocks will be so set that the extension on the bottom thereof will be located at or toward the outside of the wall, or that part thereof exposed to water or the weather. That is, in the drawing the outer side is represented at the left and the inner side or surface at the right. By this means, the joint between the walls has an upwardly extending step or part, at the middle of the wall, and so if water should soak into the joint from the outside it will not come through the wall, because of the rise in the joint. In other words the extensions lap downwardly on the outer side, the upper extension of each block being on the

inner side of the wall. This is an advantage over those blocks in which the joints are straight across the wall, and also over those blocks which, although symmetrically constructed with steps or extensions, nevertheless when set in a wall produce downwardly stepped joints at alternate courses.

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

A building block comprising a main body and extensions at opposite sides of said body, said body and extensions being hollow longitudinally, an intermediate longitudinal web 7 in the main body, the middle of said longitudinal web being in line substantially with the surfaces of the inner wall of said extensions at opposite sides of the main body, intermediate longitudinal webs

11 in planes at a right angle to the said intermediate web, the middle of said webs 11 being substantially in line with the adjacent inner walls of the main body of the block, so that when the blocks are laid in courses the said inner walls of the blocks and of the extensions will be in line, vertically and horizontally, respectively, with the said intermediate webs of the blocks, in the respective courses, said extensions of each block being located respectively at opposite sides of the line of the intermediate web 7.

In testimony whereof, I do affix my signature in presence of two witnesses.

EDWARD J. McGETTIGAN.

Witnesses:

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