Jan. 27, 1925. 1,524,612

A. I. ANDERSON

BUILDING BLOCK

Filed Jan. 24, 1923

Fig. 1.

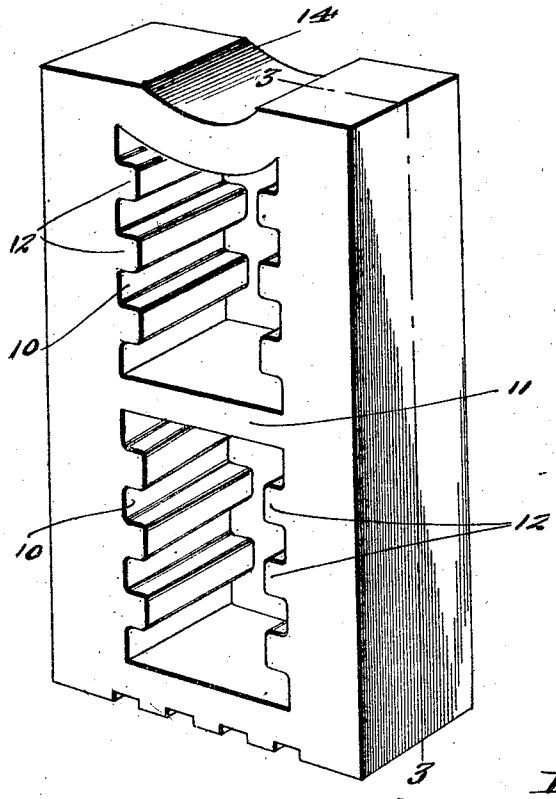


Fig. 3.

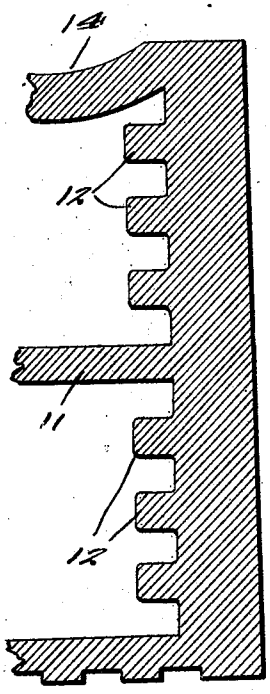
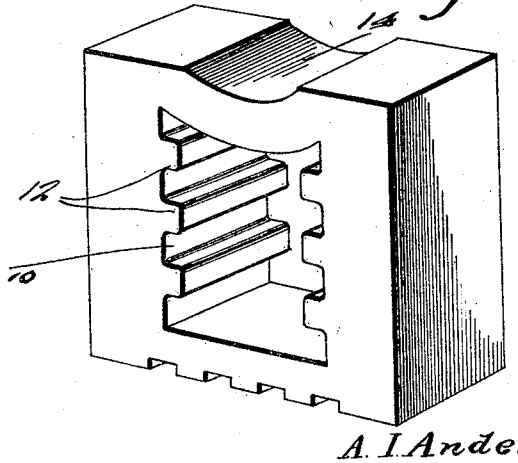


Fig. 2.



A. I. Anderson . INVENTOR

BY Victor J. Evans

ATTORNEY

R. A. Thomas

H. Cullison

WITNESSES.

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UNITED STATES PATENT OFFICE.

ADOLPH I. ANDERSON, OF ZUMBROTA, MINNESOTA.

BUILDING BLOCK.

Application filed January 24, 1923. Serial No. 614,638.

To all whom it may concern:

Be it known that I, ADOLPH I. ANDERSON, a citizen of the United States, residing at Zumbrota, in the county of Goodhue and State of Minnesota, have invented new and useful Improvements in Building Blocks, of which the following is a specification.

This invention relates to silo tiles or the like, and comprehends a construction to provide for a strong joint, and to increase the thickness and strength of the walls without materially adding to the weight of the tile, the walls being so designed as to form a better web to which the mortar will be effectively adhered to.

The nature and advantages of the invention will be better understood when the following detailed description is read in connection with the accompanying drawings, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawing forming part of this application, like numerals of reference indicate similar parts in the several views, and wherein:

Figure 1 is a perspective view of a tile constructed in accordance with this invention.

Figure 2 is a view of a modified form.

Figure 3 is a sectional view taken on the line 3—3 of Figure 1.

In Figure 1 of the drawing, I have illustrated one form of the invention wherein it will be noted that the tile is formed with two cells 10, the latter being separated by a wall or partition 11. This form of the invention distinguishes from the modified form illustrated in Figure 2, in that the modified construction is provided with but a single cell. Otherwise the both forms of the invention are constructed the same. It will thus be noted that the parallel sides of the tile have their inner faces formed with spaced projections 12, the projections affording the said sides a configuration which increases the strength of the sides and in fact increases the strength of the tile in its entirety, but does not materially increase the weight of the tile. It is to be understood that the projections 12 can vary in shape and design without departing from the spirit of the invention, and that the projections give to the sides an irregular surface which more effectively adheres to the mortar, and does not interfere with the drying process in the manufacture of the tile. The upper end wall of the tile is provided with a groove into which the reinforcing element is laid and held associated with the tile by the mortar which is also arranged in the groove which is indicated at 14, thus providing for a strong joint. The other or bottom end wall is practically flat so as to exert an even pressure upon the adjacent tile in the construction of the silo and any other structure.

While it is believed that from the foregoing description, the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein shown and described and that such changes may be resorted to when desired as fall within the scope of what is claimed.

Having thus described the invention, I claim:

1. A hollow tile building block of elongated contour including spaced sides and end walls, transverse projections extending from the inner faces of the opposed side walls, and across the entire width thereof, said projections on each wall being equidistantly spaced apart, one end wall having a transverse depression, and projections extending from the outer side of the other end wall and arranged in right angular relation with respect to the projections in the side walls.

2. A hollow tile building block of elongated contour including opposed parallel side and end walls, a transverse partition dividing the block into upper and lower halves, transverse projections extending inwardly from the opposed side walls, with the projections on each wall equi-distantly spaced apart, one end wall having a transverse depression, and projections extending from the outer side of the other end wall and arranged in right angular relation with respect to the projections on the side walls.

In testimony whereof I affix my signature.

ADOLPH I. ANDERSON.