

J. U. BARR.

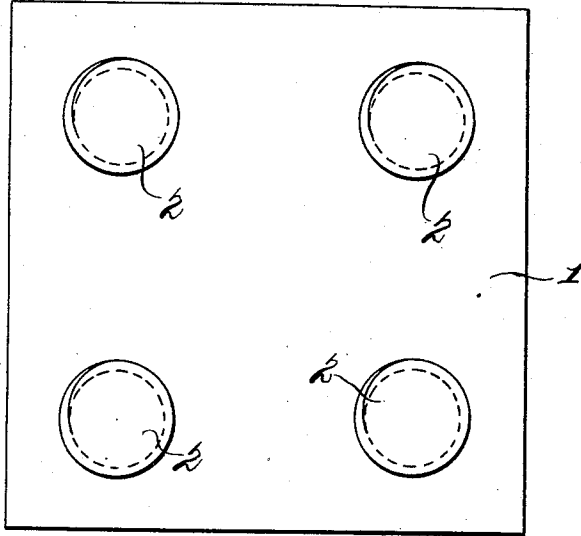
TILE.

APPLICATION FILED AUG. 30, 1910.

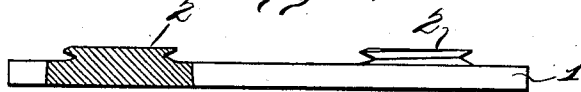
1,050,420.

Patented Jan. 14, 1913.

*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses:  
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# UNITED STATES PATENT OFFICE.

JOHN UPTON BARR, OF NEW YORK, N. Y.

## TILE.

1,050,420.

Specification of Letters Patent.

Patented Jan. 14, 1913.

Application filed August 30, 1910. Serial No. 579,789.

*To all whom it may concern:*

Be it known that I, JOHN UPTON BARR, a citizen of the United States, residing at New York city, in the borough of Manhattan, county and State of New York, have invented certain new and useful Improvements in Tiles, of which the following is a clear, full, and exact description.

This invention relates to tiles for wall or ceiling coverings, especially for subway work.

The object of the invention is to provide a tile of glass, clay or porcelain with projections or indentations to engage the cement or mortar to firmly hold it in place. I prefer that such projections or indentations take the form of screw threads, not only for ease of manufacture, but for the ledges thus formed to engage the cement. I prefer to form a plurality of such indentations or projections on each tile and I may mold them, press them or roll them as desired.

The scope of my invention will be pointed out in the claims.

In the accompanying drawings, Figure 1 is a rear plan of my improved tile. Fig. 2 is a side elevation of the same partly in section. Fig. 3 is a sectional view through the indentations of a modified form of tile, and Fig. 4 is a view similar to Fig. 3 of a tile in place.

As shown in Figs. 1 and 2, the tile 1, preferably of glass, though it may be of clay or porcelain, is formed in a mold or otherwise, having rotary hollow interiorly threaded plugs which can be backed off individually or collectively to leave a plurality of threaded projections 2 on the back of the tile as shown.

The tile shown in Figs. 3 and 4 may be of various kinds of material, though I prefer biscuit clay. Here indentations 3 interiorly threaded are provided by means of which the cement can be caused to grip strongly the tile and cause it to be securely held in place.

It will be understood that the projections or indentations constitute attachment devices which are of the material of the tile and integral therewith, that they are so interspersed on the back of the tile that a plain surface will exist between adjoining devices, and as they are provided with undercut threads rotation, sliding or pull cannot dislodge the tiles without shearing the cement which holds it to the wall.

I claim as my invention:

1. A tile having an attachment device, said device consisting of a plurality of projecting screw threaded cylinders interspersed upon the back of the tile and molded out of the same material and integral therewith.

2. An attachment device for tiles, said attachment device to consist of a plurality of projecting screw threaded cylinders interspersed upon the back of the tile and molded out of the same material, and integral therewith.

3. A tile having a plurality of attachment devices interspersed upon its back, each attachment device consisting of screw threads of a cylinder, the threads being molded out of the material of the tile.

Signed at New York city, New York, this 31st day of May, 1910.

JOHN UPTON BARR.

Witnesses:

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