No. 752,697. PATENTED FEB. 23, 1904.

R. McCARREL.

TILE.

APPLICATION FILED NOV. 18, 1903.

NO MODEL.

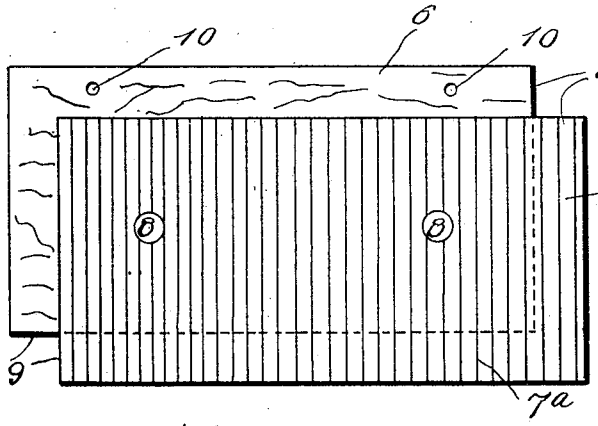


Fig. 1

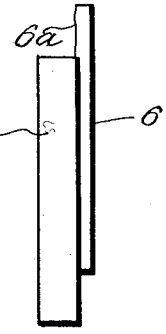


Fig. 3.

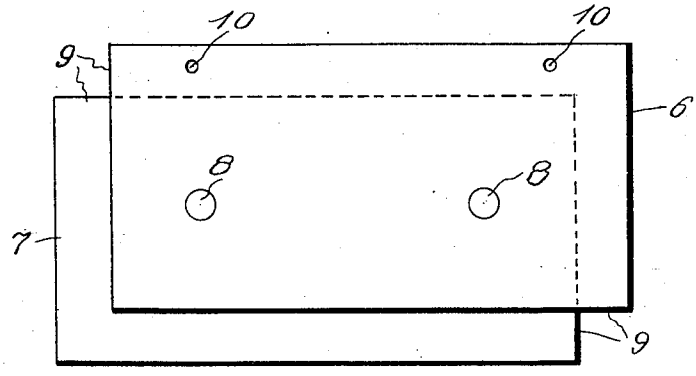


Fig. 2.

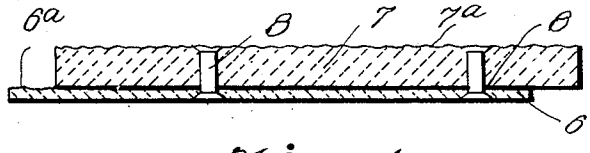


Fig. 4.

Witnesses
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 752,697. Patented February 23, 1904.

UNITED STATES PATENT OFFICE.

ROBERT McCARREL, OF JACKSONVILLE, FLORIDA.

TILE.

SPECIFICATION forming part of Letters Patent No. 752,697, dated February 23, 1904.

Application filed November 18, 1903. Serial No. 181,636. (No model.)

To all whom it may concern:

Be it known that I, ROBERT McCARREL, a citizen of the United States, residing at Jacksonville, in the county of Duval and State of Florida, have invented new and useful Improvements in Tiles, of which the following is a specification.

This invention relates particularly to a composite tile suitable for siding or partitions in the construction of buildings; and its object is to produce a thin, strong, and light tile or plate.

A further object is to produce such a tile which will not warp or bend and which will be fireproof and not subject to expansion or contraction by reason of changes in the weather.

The article is particularly serviceable as a substitute for wooden or metal lathing, the former not being fireproof and also subject to various other objections and the latter being subject to warping or bending from heat or other causes.

The article is illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of one side. Fig. 2 is a plan view of the other side. Fig. 3 is an edge view, and Fig. 4 is a section.

Referring specifically to the drawings, the base or backing of the tile is indicated at 6 and is made of slate, and the facing or front of the tile is indicated at 7 and is made of plaster-of-paris or a cement composition having similar characteristics. The exposed face of the slate is smooth; but the inner or contacting face is left in its rough or natural state, as indicated at 6^a, the inequality serving to bind the composition more firmly thereto. The front or exposed face of the composition is ridged or corrugated, as at 7^a, to form a good holding surface for the usual plaster coat. Anchor-lugs 8, extending through the slate and into the composition, serve to assist in binding the parts together.

The parts of the tile are preferably rectangular in form, and the slate and the composition parts are offset diagonally with respect to each other—that is, both endwise and sidewise, as shown in the drawings—the offsets being indicated at 9, so that when they are set together in a wall or partition both the vertical and the horizontal joints are broken, and a larger surface is given for the cement which holds the tiles together in the wall. Also the offset gives a place for attaching the tile to the studding or frames by means of holes 10 in said offset. As the tile are set up one above the other screws or nails may be driven through these holes into the studding, whereby the tile are securely held in place, and the heads of the screws or nails are covered by the composition slab of the next course.

In the manufacture of the tile the slabs of slate are cut to the desired size and fitted with the anchor-lugs, and the plaster-of-paris or plastic material is molded thereon. In setting the tile in a wall or partition they are set up edgewise and cemented together, and a thin, light, and strong partition is produced. The slate keeps the tile from warping or bending, and the plastic material gives sufficient body for the purpose intended.

What I claim as new, and desire to secure by Letters Patent, is—

1. A tile comprising a slate backing having projecting lugs on the inner surface thereof, and a facing of plastic composition molded thereon, said parts being offset with respect to each other, the offset of the backing having holes to receive a fastening.

2. A tile comprising a slate backing having a smooth outer surface and a rough inner surface, and anchor-lugs projecting from the inner surface, and a plastic composition facing molded upon the inner surface and around the lugs and having its exposed surface ridged.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT McCARREL.

Witnesses:
HOLLAND WILLIAMS,
CHAS. W. KINNE.