No. 716,061. Patented Dec. 16, 1902.

W. H. LANDKROHN.

METALLIC TILING FOR WALLS OR CEILINGS.

(Application filed Jan. 27, 1902. Renewed Nov. 22, 1902.)

(No Model.)

FIG. 1.

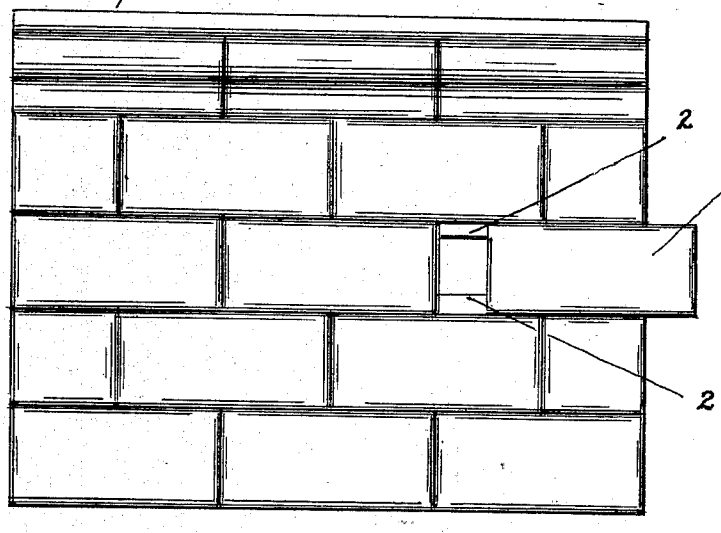


FIG. 2.

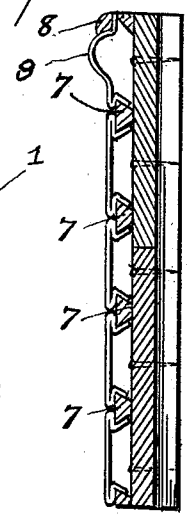


FIG. 3.

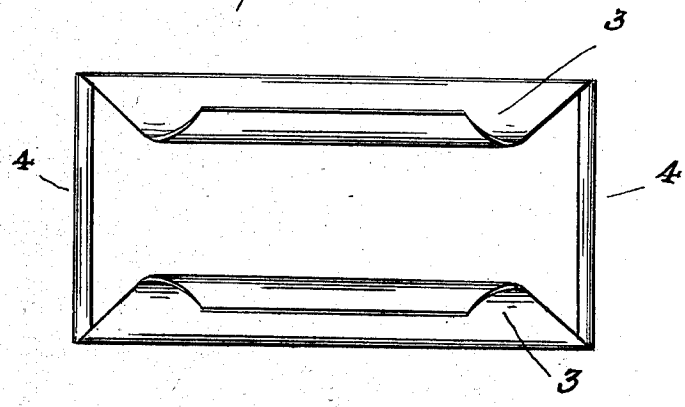
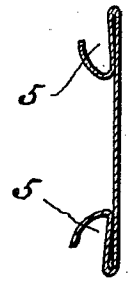


FIG. 4.



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UNITED STATES PATENT OFFICE.

WILLIAM H. LANDKROHN, OF BELLAIRE, OHIO, ASSIGNOR TO ENAMEL STEEL TILE COMPANY, OF BELLAIRE, OHIO, A CORPORATION.

METALLIC TILING FOR WALLS OR CEILINGS.

SPECIFICATION forming part of Letters Patent No. 716,061, dated December 16, 1902.

Application filed January 27, 1902. Renewed November 22, 1902. Serial No. 132,352. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. LANDKROHN, a citizen of the United States, residing at Bellaire, in the county of Belmont and State of Ohio, have invented certain new and useful Improvements in Metallic Tiling for Walls or Ceilings, of which the following is a specification.

My invention relates to improvements in the method of covering the ceilings and interior walls of buildings with sheet metal or metallic tiling.

My device consists of blocks or tiles made of sheet metal and provided with integral means of being secured to the wall or ceiling without the use of nails, screws, bolts, or cement in such a manner as to be seen from the outside.

My invention is particularly designed to provide tiling for the interior walls and ceilings of buildings, which may be made of simple material, which may be plain or enameled and ornamented with decorations, which may be readily and easily fitted to and held in place by fastening means provided on the tiling itself, which allows no nails, screws, bolts, or cement to be exposed to view, which requires no cement to be used, permits no tile or block to work loose or fall out, and which may be readily and easily replaced or changed, either in part or entirely, when desired.

Another object of my invention is to provide a device of this character which shall be easily made and less expensive of manufacture than the ordinary clay tiling and which shall offer superior service and afford more general use than ordinary clay tiling. I attain these ends by means of the construction and combinations represented in the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a surface view of a piece of wainscoting made by use of my invention. Fig. 2 is a vertical cross-sectional view through Fig. 1. Fig. 3 is a surface view of the under side of a block or tile of my invention, showing the fastening means which I have provided for holding it in place; and Fig. 4 is a cross-sectional view through Fig. 3.

Like characters of reference denote like parts wherever they occur in the various views of the drawings.

1 is a block or tile slightly removed from its place in the surface-piece of wainscoting, so as to show the track or rail 2, upon which the tile is adjusted by means of passing the angles or wings 3 under the projecting shoulders of the tracks or rails 2, as shown at 7, Fig. 2.

The tiles or blocks are integral and are made of sheet-metal pieces cut in octagonal shape and bent into the configuration shown in Fig. 3 by using two opposite sides of the octagonal piece of sheet metal, as the ends 4 of the tile, and by folding the other sides or wings over downwardly and then upwardly and outwardly until they assume the position shown at 5, Fig. 4, and form the angles 3 to slide under the projecting shoulders of the rails or tracks 2. The ends 4 of the tiling or blocks are made smooth, regular, and strong by having the edges of the piece of sheet metal folded downwardly over and pressed firmly against the under surface of the tile, as indicated by the double lines at 4, Fig. 3.

The rails or tracks 2, which may be made of wood or metal, are nearly V-shaped or are so formed that a cross-section through one of them is in the shape of that part of an isosceles triangle which is left after an angle has been cut off by an intersecting plane passed through the triangle parallel with the side opposite to the angle cut off, the surface of the intersecting plane being used as the base of the track when it is attached by nails, screws, or bolts to the wall or ceiling upon which the tiling is to be adjusted.

The outer surface of the tiling is usually flat and even and may be either plain or enameled and ornamented with decorations; but for further ornamental purposes this outer surface may be curved or bowed outwardly, as shown at 9, and these bowed tiles may be used in forming the upper or top row in building wainscotings or covering side walls or the first and last rows in covering ceilings.

In using my invention the tracks or rails are first adjusted horizontally to the wall or ceiling in parallel lines and placed just far enough apart to accommodate the tiling and

then firmly secured to the wall or ceiling by any ordinary fastening means, and then, beginning at the bottom of the wall or on one side of the ceiling, the tiles are adjusted in rows on these tracks or rails by inserting the under projections of the angles 3 on the tiles under the projecting shoulders of the rails or tracks 2, one after another, and then sliding each tile along on these tracks or rails to its proper place in building until row after row has been completed and the desired surface has been covered. The last or top row in wainscoting or side walling and the first and last rows in building ceilings may be formed of either flat or curved tiles, according to taste.

From the foregoing it is evident that my device is extremely simple, very easily employed, quite durable in character, comparatively cheap of manufacture, and requires no technical skill whatever on the part of the one who uses it.

Without desiring to be limited to the exact structure shown and described, as I am aware that many changes may be made in the details without departing from the scope and spirit of my invention, what I desire to secure by Letters Patent and claim is—

1. In metallic tiling for walls and ceilings, a tile made of an integral octagonal piece of sheet metal bent into tile shape and provided with integral nether fastening means adapted to be attached to rails or tracks firmly secured to walls or ceilings; so much of the surface of that part of the sheet-metal octagon as is comprised between the two opposite sides thereof used as the ends of the tile after said ends have had their edges turned under and pressed up in the form of a hem, and right lines connecting the corresponding extremities of the said two ends thereof, constituting the face of the tile, said tile being provided with portions bent tightly upon the under surface of the tile and then again bent downwardly and outwardly in lines about midway of the laps and parallel with the sides of the tile until they make outwardly-flaring angles of about forty-five degrees with the under surface of the tile, said angles being adapted to be used as fastening means to engage the projecting shoulders of rails or tracks made fast to walls or ceilings and hold the tile adjusted in place, substantially as described.

2. Metallic tiling for walls and ceilings, comprising integral octagonal pieces of sheet metal bent into tile shape and provided with integral nether fastening means, as hereinbefore described and adapted to be attached to rails or tracks firmly secured directly to walls or ceilings, in combination with said rails or tracks made fast to walls or ceilings and provided with projecting shoulders adapted to engage the integral nether fastening means of the tile and hold it in place, said rails or tracks being nearly V-shaped and secured to the walls or ceilings in parallel horizontal lines, placed just far enough apart to accommodate the nether integral fastening means, substantially as described.

3. In metallic tiling for walls and ceilings, the tile hereinbefore described and so bent that its outward surface is bowed outwardly through its middle three-fifths measured from side to side, and having only one angle of the nether fastening means formed thereon, substantially as described.

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

WILLIAM H. LANDKROHN.

Witnesses:

J. M. SATTERFIELD,

JAS. F. DU BOIS.