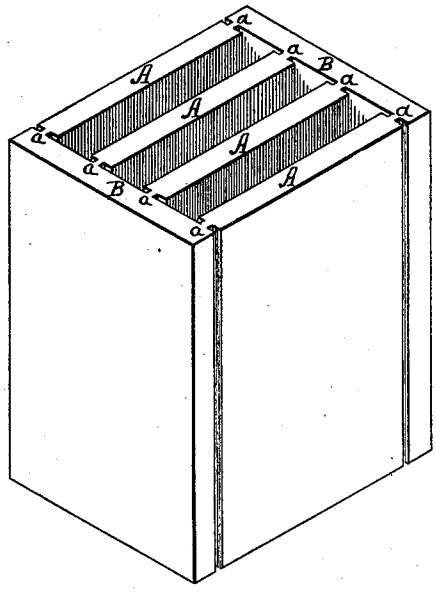
H. B. CAMP.

Manufacture of Roofing and Paving Tiles.

No. 211,618. Patented Jan. 28, 1879.




Witnesses:

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# UNITED STATES PATENT OFFICE.

HORACE B. CAMP, OF CUYAHOGA FALLS, OHIO.

## IMPROVEMENT IN THE MANUFACTURE OF ROOFING AND PAVING TILES.

Specification forming part of Letters Patent No. **211,618**, dated January 28, 1879; application filed November 18, 1878.

*To all whom it may concern:*

Be it known that I, HORACE B. CAMP, of Cuyahoga Falls, in the county of Summit and State of Ohio, have invented a new and useful Improvement in the Manufacture of Tile, of which the following is a specification:

My invention has especial reference to the manufacture of thin, flat tile for roofing and flooring, though it may be applied to the manufacture of any kind of tile the shape and character whereof will permit of its use.

Heretofore such flat tiles have been made singly, and piled upon their sides in stacks for drying and burning. This method is objectionable, as it necessitates the handling of each tile singly; and it is also objectionable because the tiles dry unevenly, beginning at the edges and drying toward the center, and in burning the center is not subject to the same heat as the edges; and as a result a large percentage of the tiles are cracked or warped, so as to be unfit for use, while as the sides of the tiles lie together, it is impossible to give them a glaze, if desired.

The object of my invention is to reduce the labor of handling, to prevent warping and cracking, and permit the tiles to be glazed, if desired.

The invention consists in forming at one operation a number of tiles, united together by frangible connections.

It also consists in supporting the tiles, while drying and burning, by connecting each tile to other tiles by a thin strip or web of the same material, sufficiently frangible to permit them to be separated after they are burned.

In applying this invention a number of tiles are forced through molds in sets or stands, parallel with each other, slightly separated, the opposite edges of parallel tiles united to other tiles standing across their edges, the connecting-line being partially severed on each side, leaving a thin strip or web uniting them.

As it is desirable to combine in the sets as many tiles as can be readily handled, to have them as compact as is consistent with a free circulation of air between them, and the supporting-webs advantageously placed, the arrangement of the sets will depend upon the size and shape of the tiles.

The accompanying drawing represents a set of flat rectangular tiles, embodying my invention.

The tiles A A stand parallel with each other, slightly separated, and united with other similar tiles, B B. At the line of union the tiles A A are partially severed on each side, leaving a thin web, *a*, uniting them with the tile B.

By this arrangement several tiles are handled at once, they dry and burn evenly, the webs *a a* being sufficiently strong to resist warping, and a glaze can be given them, if desired.

I claim—

1. The herein-described method of manufacturing tiles by uniting them in sets with frangible connections, substantially as and for the purpose specified.

2. The herein-described method of manufacturing tiles by connecting them with other tiles by frangible connections, substantially as and for the purpose specified.

3. The herein-described method of manufacturing tiles by forming in one operation a number of tiles united together, and partially severing the lines of connection, substantially as and for the purpose specified.

HORACE B. CAMP.

In presence of—

C. P. HUMPHREY,

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