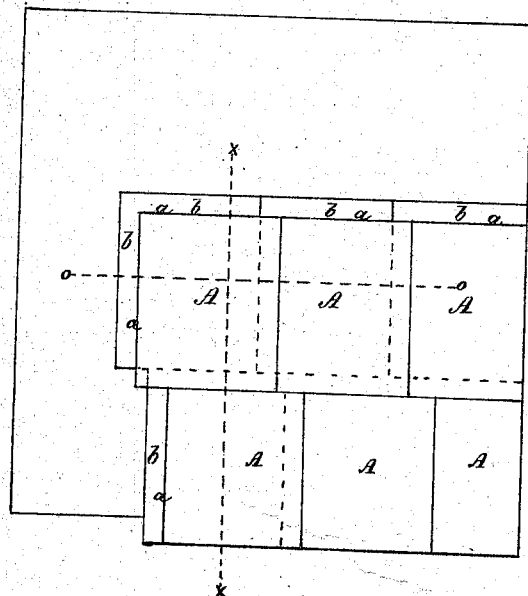
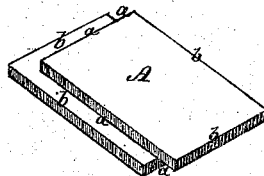


*W. Utley,*  
*Roofing Tile.*  
*No. 108,068.      Patented Oct. 4. 1870.*

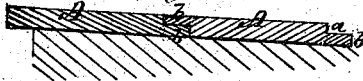
*Fig. 1.*



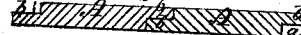
*Fig. 4.*



*Fig. 2.*



*Fig. 3.*



Witnesses

*W. Hamilton Johnson*  
*W. B. Watkins* }

William Utley, Inventor

*By his Attorneys,*  
*Upperman & Johnson.*

# United States Patent Office.

WILLIAM UTLEY, OF TROY, NEW YORK.

Letters Patent No. 108,068, dated October 4, 1870.

## IMPROVEMENT IN TILES FOR ROOFING, &c.

The Schedule referred to in these Letters Patent and making part of the same.

### *To all whom it may concern:*

Be it known that I, WILLIAM UTLEY, of Troy, in the county of Rensselaer and State of New York, have invented a new and useful Improvement in Tiles for Roofing, and other purposes; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing of the same, which makes part of this specification, and in which—

Figure 1 is a plan view of several-sections of my improved tiling put together.

Figure 2 represents a section through two of the tiles at the line *x x* of fig. 1.

Figure 3 represents a section of two of the tiles taken at right angles to the view shown in fig. 2 at the line *o o* of fig. 1.

Figure 4 is a perspective view of one of the tiles.

My improvement relates to tiles for roofing and flooring, and consists in molding the sections of the same in such manner as to form squares, which will have a recess and a rebate on their four sides, thereby producing a recess and a rebate alternately around two sides only of their opposite faces, for the purpose of matching them one with another by overlapping joints, which, when properly cemented, constitute a solid tiling or flooring of broken joints, entirely waterproof.

In the accompanying drawing—

A represents the sections of the tiling, molded of any suitable size, of porcelain, china, terra-cotta, red brick-clay, or any suitable material. They are formed of such thickness as will allow their opposite faces to project an equal distance, and of equal thickness around their edges, so as to form a recess, *a*, and a

rebate, *b*, around two sides of their opposite faces, which will produce the same figure alternately around its four sides; that is to say, the rebate *b* will project from two sides on its top, and from the two opposite sides on its bottom, in order that, when properly matched, the rebates of the upper side of one tile will overlap the lower rebates of the two adjacent tiles.

The recesses *a* and the rebates *b* being equal in all respects, they, of course, match, one within the other, with the joint of the lower rebate covered by that of the upper one.

The sections A are also put together, so as to break the joints of the upper rebates, and they are cemented in their place and to each other by said rebates.

The outside sections, of course, have only three of their sides made with the recesses and rebates above described, and the tiling may be used for internal, as well as external decoration, and may be painted or ornamented at pleasure.

When used for cellar-tiling, they may be made about as thick as the common brick.

Having described my invention,  
I claim—

The sections A, of tiling, made with recesses *a* and rebates *b*, so that, when laid together as herein shown, they will overlap, match, and break-joints each with its adjoining neighbor, in the manner and for the purpose set forth.

In testimony whereof I have hereunto set my hand.  
WILLIAM UTLEY.

Witnesses:

SAMUEL FOSTER,  
E. W. GREENMAN.