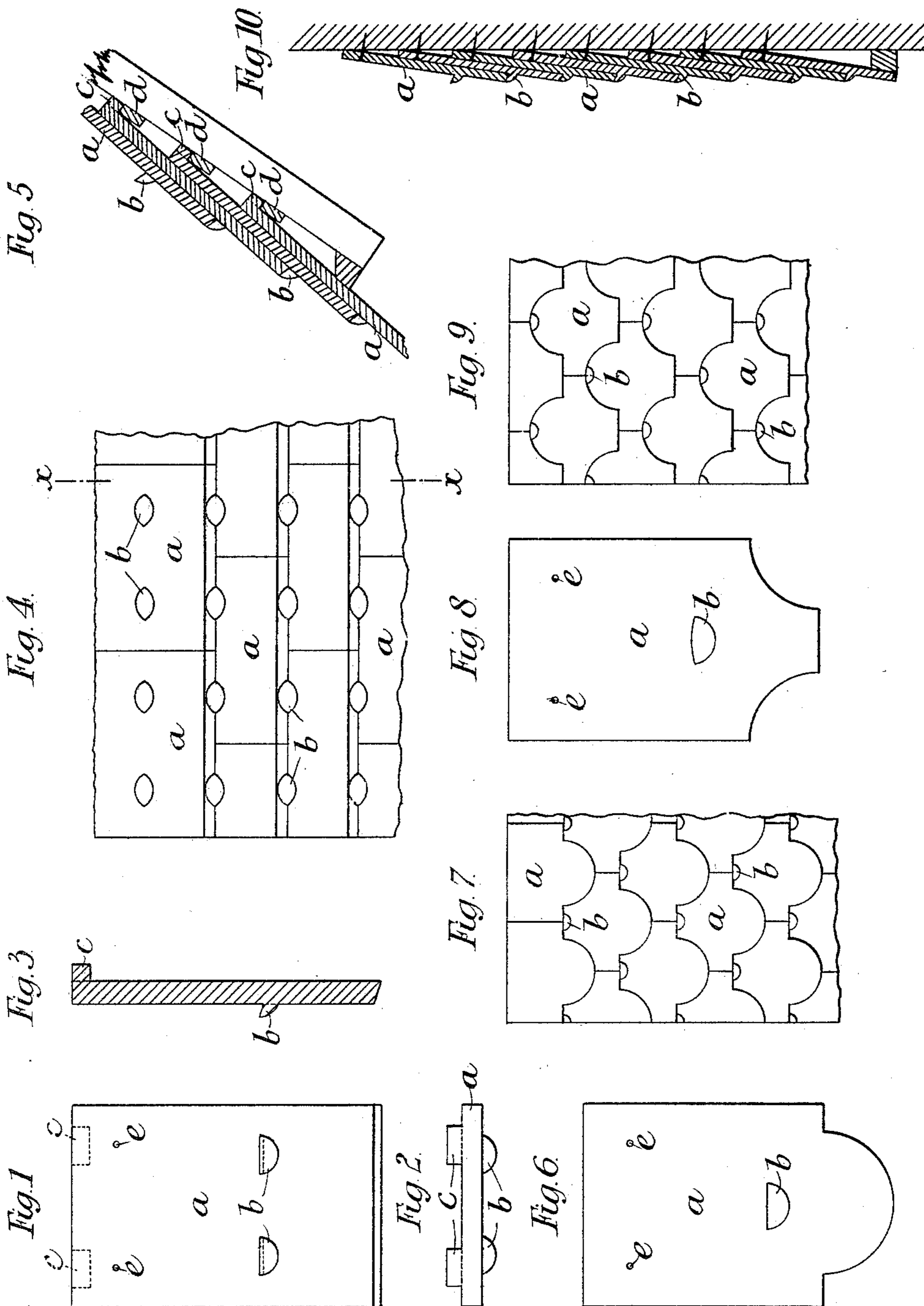


(No Model.)

B. EDWARDS.
TILE.

No. 467,791.

Patented Jan. 26, 1892.



Witnesses,
Jonas B. Kelley
J. T. Carpenter

Inventor.
Basil Edwards
By John H. Walsted & Co.
His Attys

UNITED STATES PATENT OFFICE.

BASIL EDWARDS, OF ASHLEWORTH, ENGLAND.

TILE.

SPECIFICATION forming part of Letters Patent No. 467,791, dated January 26, 1892.

Application filed October 24, 1890. Serial No. 369,225. (No model.)

To all whom it may concern:

Be it known that I, BASIL EDWARDS, a subject of the Queen of Great Britain, residing at Ashleworth, England, have invented new and useful Improvements in Tiles, of which the following is a specification.

My invention relates to roofing and weather tiles, and has for its object to provide means for supporting such tiles in place more securely than heretofore, whereby they are less liable to become disarranged than tiles as now used.

According to my invention each tile is provided with one or more lugs or bosses, on which the tiles of the overlapping course above are supported, so that each tile is provided with a twofold support, one of which is at its lower edge, while the other is the ordinary nail or pin driven into the roof or wall or an auxiliary lug or lugs.

In the accompanying drawings, Figure 1 is an elevation of a tile constructed according to my invention. Fig. 2 is an end view of the same, and Fig. 3 is a longitudinal section. Fig. 4 is a view of a portion of a roof tiled with my improved tiles, and Fig. 5 is a section of the same on the line *x x*. Fig. 6 is a view of a modified form of tile, and Fig. 7 is a view showing several of such tiles laid and drawn to a reduced scale. Figs. 8 and 9 are views similar to Figs. 6 and 7, respectively, of another form of tile. Fig. 10 shows the arrangement of the tiles when used for weather-tiling.

Similar letters of reference indicate corresponding parts in the several figures.

a a indicate the tiles, and *b b* the lugs or bosses for supporting the superposed tiles. Each of these bosses, two of which are shown in Figs. 1 and 2, is slightly undercut, as shown most clearly in Fig. 3, and the lower edges of the tiles are beveled, also as shown in Fig. 3.

When the tiles are intended for roofing purposes, each is provided with auxiliary lugs *c c*, which rest against the laths or strips *d d* of the roof, as shown in Fig. 5.

e e are holes formed in the tile for allowing the same to be secured to the strips *d d* by means of nails in the ordinary manner.

When the tiles are laid, as shown in Figs. 4 and 5, it will be obvious that each course of tiles not only is supported by lugs *c c*, but is also supported upon the lugs or bosses *b b* of the course of tiles beneath it, the beveling of

the edges of the tiles and the undercutting of the lugs *b b* serving to lock the tiles to prevent them being lifted by the wind.

The modified tiles shown in Figs. 6 and 8 are substantially the same as those shown in Figs. 1 and 2, except that each tile is only provided with a single lug or boss *b* for supporting the superposed tiles, as shown in Figs. 8 and 9, respectively, this construction being preferable with some forms of ornamental tiles.

When the tiles are to be used for weather purposes, the lugs *c c* at the backs thereof may be dispensed with, so that the tiles will lie against the wall of a house or the like, as shown in Fig. 10.

It will be seen that the bosses or lugs not only constitute no eyesore, but that they actually add to the picturesqueness of the roofing; also, the said bosses afford no hinderance to the free fall of rain or melting snow from the roof, as the said bosses or lugs do not exceed the thickness of the tiles themselves.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. A roofing or weather tile having one or more undercut lugs or bosses, such as *b*, thereon to support the edge of the superposed tile or tiles and having the lower edge beveled, as described, to conform to such under-cut.

2. A roofing or weather tile having on its upper side a boss or bosses whose rear edges incline downward to constitute an under-cut, the front or lower edge of the tile inclining correspondingly downward, and whereby one such tile may interlock with and support its next adjacent superposed one.

3. A roofing or weather tile having lugs or bosses projecting from its under side at its rear top edge, having undercut lugs or bosses projecting from its upper side back of its opposite edge, and having this latter edge beveled to conform to such under-cut, all substantially as set forth.

BASIL EDWARDS.

Witnesses:

JOHN FLETCHER TREW,
12 Clarence St., Gloucester.

JOHN LAURIE,
9 Park End Rd., Gloucester.