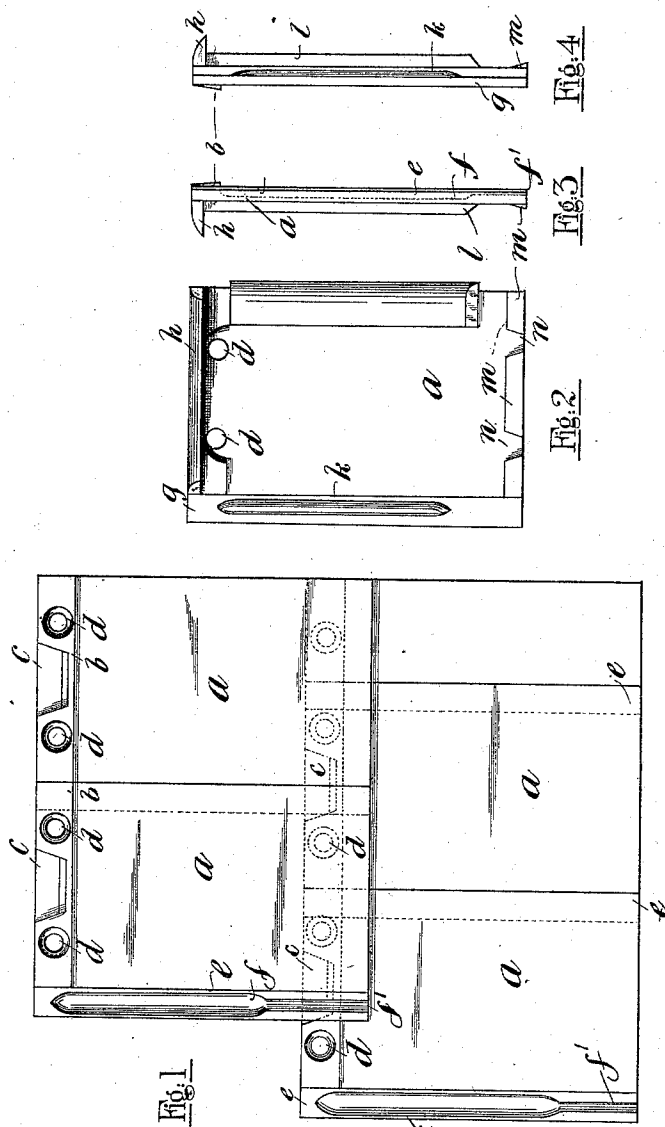


(No Model.)

T. A. ALDRIDGE.
ROOFING TILE.

No. 535,183.

Patented Mar. 5, 1895.



Witnesses:

J. C. Chebet.
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Inventor:

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UNITED STATES PATENT OFFICE.

THOMAS ARUNDEL ALDRIDGE, OF BRIDGEWATER, ENGLAND.

ROOFING-TILE.

SPECIFICATION forming part of Letters Patent No. 535,183, dated March 5, 1895.

Application filed November 2, 1894. Serial No. 527,727. (No model.) Patented in England January 22, 1894, No. 1,362; in Belgium February 27, 1894, No. 108,776, and in France March 5, 1894, No. 236,745.

To all whom it may concern:

Be it known that I, THOMAS ARUNDEL ALDRIDGE, law student, a subject of the Queen of Great Britain and Ireland, residing at Bradford Villas, Wembdon Road, Bridgewater, Somerset, England, have invented a certain new and useful Improved Tile for Roofing and Facing Buildings and for Like Purposes, (for which I have obtained patents in Great Britain, No. 1,362, dated January 22, 1894; in France, No. 236,745, dated March 5, 1894, and in Belgium, No. 108,776, dated February 27, 1894,) of which the following is a specification.

The object of my invention is to supply an improved roofing tile which is proof against storms of rain and snow even when combined with high wind.

Referring to the drawings which form a part of this specification, Figure 1 shows a plan view of several of my tiles as fixed on a roof or wall. Fig. 2 shows a plan view of the back of one of my tiles. Figs. 3 and 4 show edge views from the two sides, left and right hand.

a, is the foundation plate of the tile.

b, is a projecting ridge formed at the upper end of the front of the tile *a*.

c, is a slot or recess formed in the center of the ridge *b*, which engages with and forms a lodgment for the lower end of the ridge *l*.

d, d, are holes in ridge *b*, for securing the tile to the rafters.

e, is a narrow projecting flange on the left of the front of plate *a*, Fig. 1, and containing a channel *f*, to allow any water that may blow in beneath the tile to escape downward on the tile below.

f, is the channel formed in ridge *e*, which engages with a corresponding projection *k*, on the tile above it.

f', is the outlet of channel *f*.

g, is a flange or projection similar to *e*, and upon its under side on the left side of the back of the tile (shown in Fig. 2) there is formed a projecting tongue *k*, engaging with channel *f*, Fig. 1.

h, is a lip or projection on the upper edge of the tile to catch against the rafter.

l, is a bead formed on the right side of Fig. 2, the lower end of which engages with the recess *c*, Fig. 1.

Both the bead *l* and recess *c* I prefer to make with splayed faces. *m*, is another ridge formed on the lower end of plate *a*.

n, n, are channels to permit the escape of water which may be blown under the tile.

It will be seen that if rain or snow is driven under any of the tiles by the force of the wind it can find no exit above or at the right side of the tile but must either escape by the channel *f*, or return by the passage *n, n*. This is caused by the ridge *b*, flanges *e, g*, and tongue *k*, which form stops and bar the passage. Should any water enter the channel *f*, it must descend by the mouth *f'*, to the tile below.

My improved tiles are flat and closely fitting one on the other so that the wind has very slight lifting power on them. They can be made of clay, glass, metal, concrete or any other suitable material or combination of materials and of any preferred size or configuration.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

An improved tile consisting of the foundation or body *a*, provided with the ridge *b*, and the flanges *e, g*, on the front, and the projection or ridges *h, k*, on the back of said tile, the recess *c*, and channels *f, n*, as herein described and set forth.

Signed at Bridgewater, in the county of Somerset, in England, this 29th day of September, A. D. 1894.

THOMAS ARUNDEL ALDRIDGE.

Witnesses:

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