

H. BUTTON.
 ROOF OR WALL COVERING.
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985,140.

Patented Feb. 28, 1911.

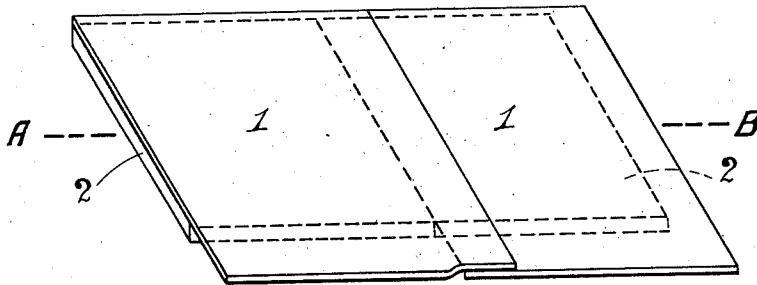


Fig. 1

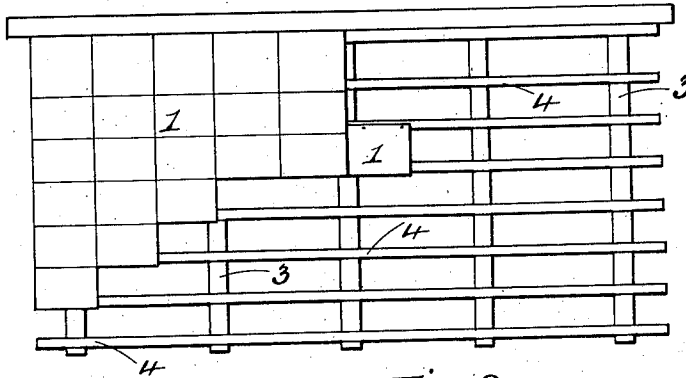


Fig. 2

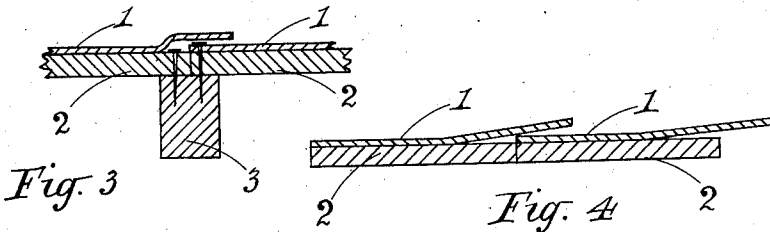


Fig. 3

Fig. 4

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UNITED STATES PATENT OFFICE.

HEDLEY BUTTON, OF TREVALLYN, TASMANIA, AUSTRALIA.

ROOF OR WALL COVERING.

985,140.

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To all whom it may concern:

Be it known that I, HEDLEY BUTTON, a subject of the King of Great Britain, residing at Trevallyn, in the State of Tasmania, Commonwealth of Australia, importer, have invented certain new and useful Improvements in Roof or Wall Coverings, of which the following is a specification.

My invention refers to improvements in the construction of roofs or walls particularly when the roof covering is composed of flexible weather resisting materials in sheet form, such as are known in the trade as malthoid, rubberoid or the like.

I propose to construct tiles of such or other weather resisting materials with a stiff backing, preferably composed of wood, in such a way that they may be easily handled and quickly laid. The weather resisting material is first cut into pieces of the requisite size and shape and is then attached by cement or by any other suitable means to battens or plywood. The plywood backing has a smaller area than the tile material and this permits the covering material to overlap the batten, in most cases, on two or more of its edges. By such means weathering is obtained when a number of tiles are laid to provide a roof or wall.

The invention is illustrated in the accompanying drawing in which,

Figure 1 is a perspective view of two tiles made according to my invention. Fig. 2 is an elevation of part of a roof, a portion of which is covered with the tiles. Fig. 3 is a section on the line A, B, Fig. 1, and Fig. 4 is a section of two tiles showing the overlapping.

The covering 1 is attached to the batten 2 by a water proof or other cement. On two of the edges of the batten the covering 1 will overlap as shown in Fig. 1 of the drawing. The next tile when laid alongside above or below as the case may be will supply the overlap or come under the overlap, which will thus provide the weathering while the batten of each will make a butt joint with the batten of the next tile.

The overlapping portion of the covering is adapted to be elevated slightly from the batten, as shown in Fig. 4, for the purpose of getting at the first batten to nail it down, and to also enable the second to be secured in the same manner. After the battens are fastened, the overlaps are cemented over

the nails to the next tiles and so on until the roof is completed.

In the construction of a roof or wall the timbers should consist of rafters or studs 3 and purlins 4 (Fig. 2) the latter being checked flush into the rafters or studs. The rafters and purlins are disposed in such a way that all edges of each tile may be directly secured thereto. When the roof is finished, the interior will present an unbroken surface of battens each closely abutting upon the next. By means of the invention therefore, the lining now necessary in roof or wall construction is dispensed with.

The weather resisting covering may be cut to any convenient size, and is then attached to the batten. The distance between the rafters or studs and the purlins will be adjusted to suit the size of the tiles, or the tiles made of a size to correspond with the supports.

Some of the tiles, such as those that are laid at the top or edge of a roof or wall may have more than two overlapping sides for the purpose of turning over one side to assist in forming a ridge or other angle covering.

For the ordinary purposes of the invention, the tile covering will be formed with two of its contiguous sides or edges flush with the backing piece, thus providing two overlapping portions, as shown, under which the edges of the next tiles will come when laid. By this means tiles can be laid with weathering lap required—horizontal or diagonal as preferred.

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

1. A roofing tile or the like, comprising a body portion or backing of light relatively rigid material requiring support merely at its edges and an outer facing of relatively thin flexible sheet water-resisting material of greater area than the backing and having projecting portions on two sides forming flaps for overlapping the edge portions of adjacent tiles.

2. A roofing tile or the like, comprising a body portion or backing of light relatively rigid material requiring support merely at its edges and an outer facing of relatively thin flexible sheet water-resisting material of greater area than the backing and having projecting portions on two sides forming

flaps for overlapping the edge portions of adjacent tiles, said backing and facing materials being united by cement.

3. A roofing tile or the like, comprising a
5 body portion or backing of light relatively rigid material requiring support merely at its edges and an outer facing of relatively thin flexible sheet water-resisting material of greater area than the backing and having
10 projecting portions on two contiguous sides forming flaps for overlapping the edge portions of adjacent tiles.

4. A roofing tile or the like, comprising a slab of wood and a relatively thin sheet of
15 fibrous water-resisting material, said slab of wood constituting a relatively rigid backing or body portion and said sheet of water-resisting material constituting an outer facing and being of greater area than the slab of
20 wood, beyond which it projects on two sides to form flaps for overlapping abutting edges of tiles.

5. A roof comprising rafters, purlins, and tiles said tiles resting on said purlins and
25 abutting one another edge to edge, and comprising a body portion or backing of light relatively rigid material requiring support merely at its edges and an outer facing of relatively thin flexible sheet water-resisting
30 material of greater area than the backing and having projecting portions on two sides forming flaps for overlapping the edge portions of adjacent tiles.

6. A roof comprising rafters, purlins, and

tiles, said tiles resting on said purlins and
35 abutting one another edge to edge and comprising a slab of wood and a relatively thin sheet of fibrous water-resisting material said slab of wood constituting a relatively rigid
40 backing or body portion and said sheet of water-resisting material constituting an outer facing and being of greater area than the slab of wood, beyond which it projects on two sides to form flaps for overlapping
45 abutting edges of tiles.

7. A tile comprising a sheet of weather-resisting material and a rigid backing piece, said backing piece being beneath said weather-resisting material and requiring
50 support merely at its edges and said weather-resisting material being of larger area than said backing piece so that its edge extends over the edge of said backing piece, and said weather-resisting material being attached
55 to the outer face of said backing piece, but being free from the latter at points near one edge of the backing piece whereby the latter can be nailed in place along such edge without perforating said weather-resisting material.
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In witness whereof, I have hereunto signed my name in the presence of two subscribing witnesses.

HEDLEY BUTTON.

Witnesses:

JOHN P. BRAY,
CH. E. DE LANGE.