May 18, 1926. 1,585,503

J. M. LARSEN

TILE FILLER

Filed June 9, 1925

Fig. 1.

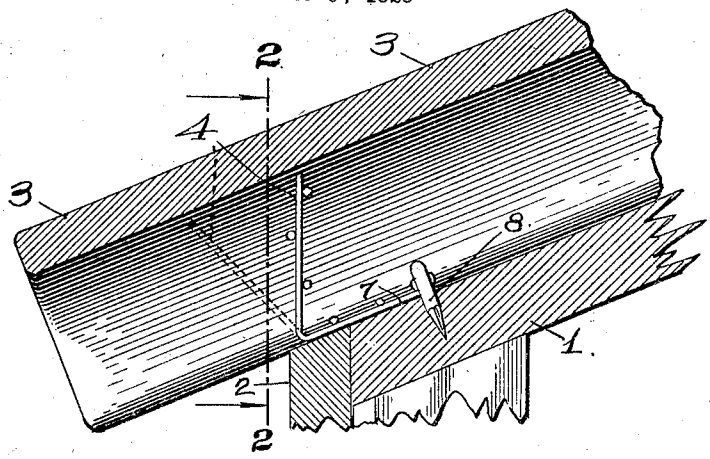


Fig. 2.

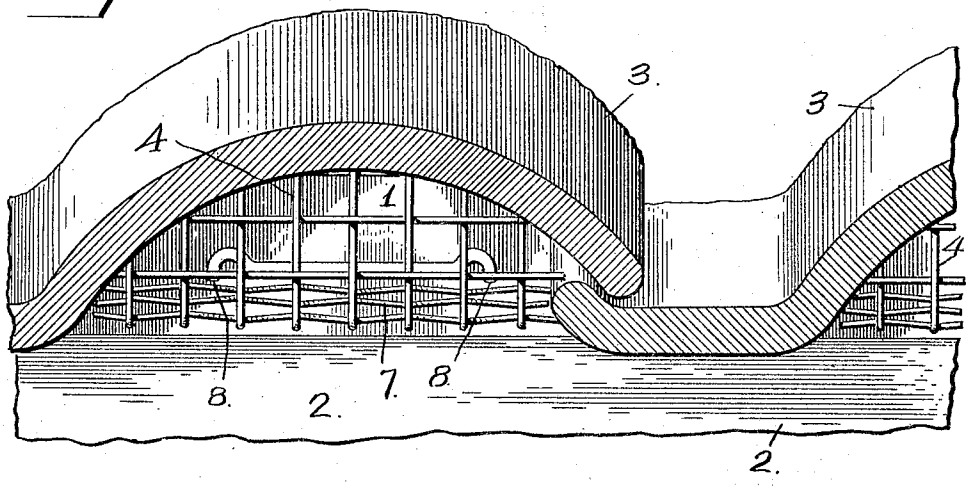
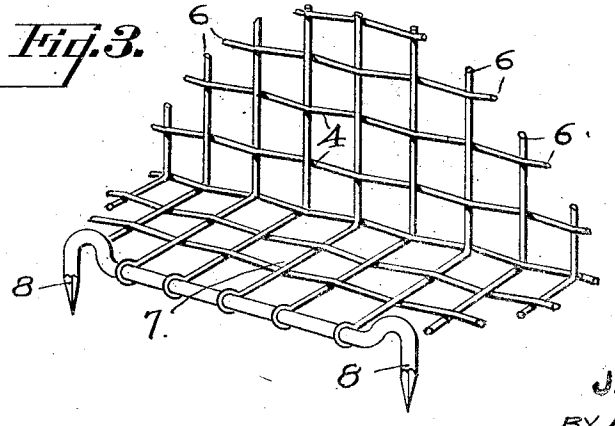


Fig. 3.



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UNITED STATES PATENT OFFICE.

JENS MILLER LARSEN, OF SAN FRANCISCO, CALIFORNIA.

TILE FILLER.

Application filed June 9, 1925. Serial No. 35,985.

My invention relates to improvements in tile fillers for hollow roof tiles wherein a member formed of a stiff bendable material, such as wire screen or the like, operates in conjunction with securing means provided on said filler to fill the space between a hollow roof tile and a supporting structure therefor, to form a continuation of the outer wall of said supporting structure into said space and thereby prevent the entrance of small birds and animals into said space.

The primary object of the present invention is to provide a new and improved hollow roof tile filler.

Another object of the present invention is to provide a new and improved device of the character described arranged to be easily and effectively secured within a space between a hollow roof tile and a supporting structure therefor, in such a manner as to provide a continuation of the outer wall of said supporting structure which extends into the projecting or outwardly extending tiles in such a manner as to be practically unobservable, so as not to detract from the artistic appearance of said tile roof.

A further object of the present invention is to provide a new and improved tile filler arranged to prevent the entrance of small birds and animals into the space between the roof tiles and a supporting structure therefor.

A still further object is to provide a new and improved device of the type set forth which is adapted to be placed in position either before or after the tiles have been placed.

A still further object is to provide a tile filler of the character described which may readily be made to conform to various spacing and shapes of roof tiles.

Another object is to provide a new and improved form of tile filler of the character described which may be easily and cheaply produced and easily and economically placed in position, and of a maximum efficiency.

I accomplish these and other objects by means of the preferred form of the device disclosed in the drawings forming a part of the present specification wherein like characters of reference are used to designate similar parts throughout the said specification and drawings, and in which—

Fig. 1 is a broken longitudinal sectional view through a hollow roof tile and supporting structure therefor, disclosing my improved tile filler in position;

Fig. 2 is a broken sectional view taken on line 2—2 of Fig. 1 in the direction indicated; and

Fig. 3 is a perspective view of the tile filler before being placed in position.

Referring to the drawings the numeral 1 is used to designate in general a supporting structure, such as the sheathing of a house roof, and 2 is the upper portion of one of the outer supporting walls thereof. The hollow roof tiles 3 are laid upon and secured to the supporting structure 1 in the usual manner with the lowermost row of roof tiles 3 projecting beyond the outer wall 2 in the usual manner to form the overhanging eaves.

In present structures the unfilled or unstopped space between the hollow roof tile 3 and its supporting structure 1 forms a convenient place for small birds, animals and rodents and the like, to build their nests.

The inflammable material of the nests not only provides an additional fire hazard but frequently results in marring the artistic appearance of the tile roof and eaves. Some rodents, such as squirrels and the like, frequently gnaw holes and rear their young under the tiles and such procedure is highly objectionable for many obvious reasons.

In order to prevent the entrance of small birds and animals into the space between the tiles 3 and supporting structure 1 thereof I have provided the tile filler which may be described as follows:

A member designated in general by the numeral 4, is composed of a stiff bendable material which may be easily and readily bent to and retained in the required shape, preferably a wire screen, so cut as to provide individually extending wires or projections 6, by means of which projection 6, conformance to the required shape, such as the inside or concave portion of variously shaped and sized tiles, may be easily obtained. The member is preferably provided with a lateral extension 7 to which is attached or secured, a pair of downwardly projecting prongs 8 adapted to be driven into the supporting structure or sheathing 1 whereby the member 4 may be secured within the space between said tiles 3 and the supporting structure 1 therefor, with the member 4 projecting into and filling the concaved side of the hollow tile 3.

The member 4 is secured in such a manner that the same will form an extension of the outer wall 2 which extension extends into and fills the hollow tile 3 and thereby closes the entrance to the said space, thereby preventing the entrance of birds and small animals or rodents to said space.

The member 4 may be placed slightly back of the plane of the outer wall 2 in order to render the filler 4 unobservable, so as not to detract from artistic appearance or architectural beauty of the tile roof, as disclosed in full lines in Fig. 1 of the drawings, or where a wire screen of an ornamental design is employed, the said member may be projected at a visible angle, as disclosed in dotted lines in said Fig. 1 of the drawings.

By reason of the bendable nature of the member 4 the same may be readily and easily bent to either angle, as hereinbefore described, or the individual wire extensions 6 thereof may be so bent as to accommodate the contour of said member 4 to variously shaped and spaced tiles 3.

By bending the member flat to align the same with the lateral extension 7 thereof, the application of my improved tile filler may be easily accomplished in structures where the tile is already in place, and after being properly secured by means of the prongs 8 the member 4 may be bent into a position which will effectively stop the entrance to the space between the tiles 3 and supporting structure 1 therefor, the individually extending wires 6 being easily and readily bent to conform the member 4 to the shape of the tiles 3.

I am aware that the present state of the art discloses tile fillers of baked and hardened tile, I therefore do not claim broadly, as my invention, tile fillers in general, but—

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

1. A tile filler comprising a member formed of wire screen material arranged to fill the space between a hollow roof tile and a supporting structure therefor to prevent the entrance of small birds and animals into said space, said member being provided with a lateral extension arranged to be secured to said supporting structure to retain said member in position.

2. A tile filler comprising a member formed of bendable wire screen material arranged to fill the space between the under side of a hollow roof tile and a supporting structure therefor whereby entrance of small birds and animals into said space may be prevented, said member having a lateral projection provided with prongs arranged to be driven into said supporting structure to retain said member in operative position.

3. A tile filler comprising a member formed of stiff bendable material and arranged to be inserted within a space between a hollow roof tile and a supporting structure therefor to close said space and thereby prevent the entrance of small birds and animals into said space, said member being provided with prongs arranged to be driven into said supporting structure whereby said member may be held in operative position.

In witness whereof I hereunto set my signature.

JENS M. LARSEN.