Dec. 2, 1924. 1,517,944

J. F. BOBBITT

MEANS FOR SECURING FLEXIBLE TILE ROOFING

Filed May 29, 1924

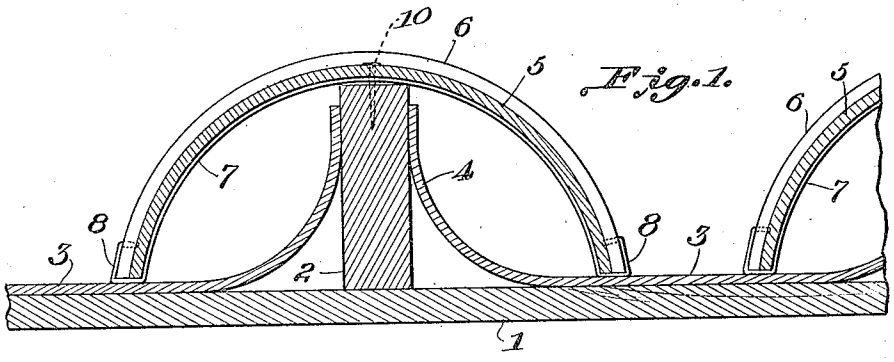


Fig. 1.

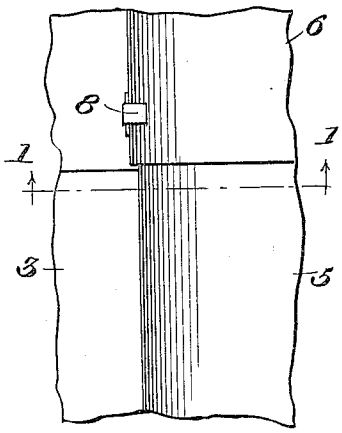


Fig. 2.

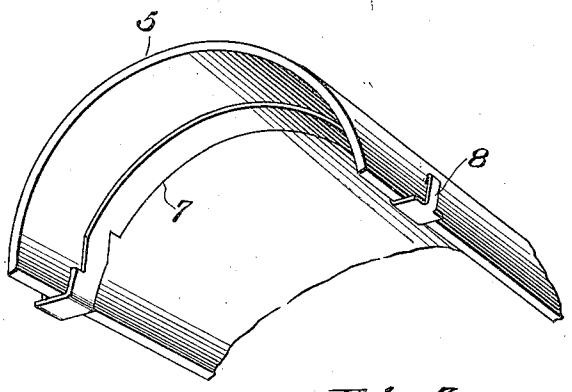


Fig. 3.

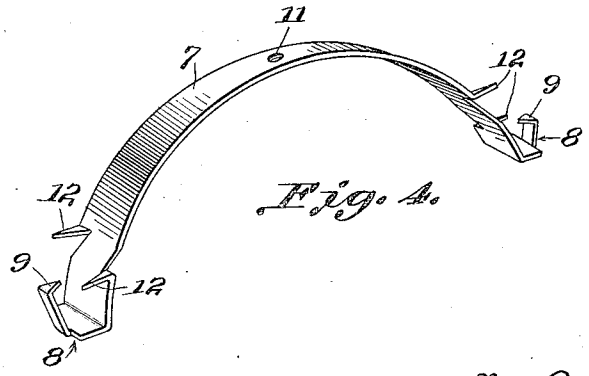


Fig. 4.

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UNITED STATES PATENT OFFICE.

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MEANS FOR SECURING FLEXIBLE TILE ROOFING.

Application filed May 29, 1924. Serial No. 716,768.

To all whom it may concern:

Be it known that I, JAMES F. BOBBITT, a citizen of the United States, residing at Greenwood, in the county of Leflore and State of Mississippi, have invented certain new and useful Improvements in Means for Securing Flexible Tile Roofing; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in means for securing flexible tile roofing in place on the roof.

The various features of novelty and invention will appear from the detailed description taken in connection with the accompanying sheet of drawings forming part of this specification.

In the drawings, Fig. 1 is a vertical cross-section through the roof showing two superposed or overlapped tile members held in place by the improved securing means, said section being taken on line 1—1 of Fig. 2.

Fig. 2 is a fragmentary plan view of Fig. 1.

Fig. 3 is a perspective view of one tile member showing the improved securing means attached thereto; and

Fig. 4 is a perspective view of the securing member.

In the drawings, numeral 1 indicates the supporting boards usually laid over the rafters of the roof. Arranged up and down on the boards is a plurality of spaced parallel bars 2, only one of said bars being shown in the drawings. Between the bars 2 is laid a section of roofing 3, the free ends 4 thereof being secured to the bars 2 in any suitable manner. Said sections of roofing material 3 are preferably of a length to correspond to a tile member 5, though it may be continued as one piece if found desirable; however, by making the sections 3 in lengths corresponding to the length of the tile members 5 the roof is given an appearance more resembling a regular tile roof as will be readily understood.

The bar 2 at the ends 4 of the roofing member 3 is covered over by tile members 5 an 6 arranged in overlapped relation in the customary way.

Disposed over the bar 2 beneath the underlying tile member 5 is a saddle 7 having outwardly and upwardly directed terminals 8, the ends of which are provided with inwardly turned prongs 9 adapted for penetration into the adjacent side walls of the upper tile member 6. It will be noted that the outwardly and upwardly directed terminals of the saddle member provide seats in which the side edges of both the tile members 5 and 6 are received. It will now be apparent that the upper tile member is securely held in place with respect to the underlying tile member by means of said prongs 9 being received into the side walls of the upper tile member. Upward displacement of the upper tile member is therefore impossible. The saddle 7 is secured to the bar 2 by means of a nail 10 which preferably passes through the underlying tile member 5 and thence through the saddle, numeral 11 indicating the opening formed in the saddle by said nail.

The saddle is also provided with outwardly directed prongs 12 for penetration into the underlying tile member 5. This arrangement not only serves to anchor the underlying tile member 5 to the saddle but also more effectually holds both tile members in fixed relation by reason of the fact that less strain is put upon the prong 9, as, for example, if the wind should get beneath the tile members tending to lift them upwardly, as will be readily understood.

The saddle member 7 is preferably affixed to the tile member 5 by said prongs 12 before the tiles are laid. The tile member is therefore reinforced and will more readily retain its curved form. Saddle member 7 will be affixed to the tile at the factory, and consequently it is only necessary to lay the tile over the bars 2 and secure the same in place by means of the nails 10 and bending inwardly of the upright extensions to which the inwardly directed prongs 9 are secured or form a part. The saddle member 7 can be constructed of light sheet metal stamped out and bent with the prongs and terminal securing means as will be readily understood, or it may be made from wire or other material.

The method of applying the improved roofing will be readily understood. The

roofing members 3 are first laid between the bars 2, after which the tile members are laid in courses in the usual manner. Securement of the tile members is speedily effected by driving a nail 10 through the tile first placed over the bar 2, said nail passing through saddle 7 as already explained. Thereafter the second course of tile will be laid over the first tile in overlapped relation and the prongs 9 driven into the side edges or walls of the top tile by a blow from a hammer.

What I claim is:

1. As a new article of manufacture for securing roofing material, an arched member having upwardly and outwardly bent terminals the extreme ends of each terminal having a prong bent toward the arched member for penetration into the said material.

2. The article specified in claim 1, the arched member proper being also provided with prongs directed outwardly for penetration into the said material.

3. The article specified in claim 1, the arched member proper being provided with outwardly directed spaced prongs adjacent its terminals for penetration into said material.

4. In a roof covering, the combination of arched tile members arranged in overlapped relation, means for securing the upper member in fixed position with respect to the underlying member comprising an arched saddle disposed on the inside of the underlying member, said saddle having outwardly and upwardly extended terminals, the ends of said terminals having inwardly projecting prongs adapted for penetration into the sides of the overlying tile member.

5. The combination specified in claim 4, said prongs disposed on the outside of the said overlying member.

6. The combination specified in claim 4, said saddle having outwardly directed prongs adapted for penetration into the underlying member.

7. In combination, a roof support, a bar supported thereon, a saddle member disposed over said bar, a tile member disposed over said saddle, means securing the saddle to said bar, a second tile member disposed in overlapped position of the first tile member, said saddle having outwardly and upwardly directed terminals, and an inwardly directed prong on said terminals adapted for penetration into the side of the upper tile member.

8. The combination specified in claim 7, said saddle having outwardly directed prongs for penetration into the lower tile member.

9. The combination with a tile member, of a saddle disposed on the inner side of said member, said saddle being secured to said member by means of prongs extending outwardly from the saddle, said saddle having outwardly and upwardly directed terminals forming seats for the reception of a superposed tile member, said terminals having inwardly directed prongs adapted for penetration into the side walls of the said superposed tile member.

In testimony whereof I affix my signature.

JAMES FRANK BOBBITT.