F. M. TRAPHAGAN, DEC'D.
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BORDERING FOR ROOFING.
APPLICATION FILED SEPT. 15, 1919.

1,377,610. Patented May 10, 1921.

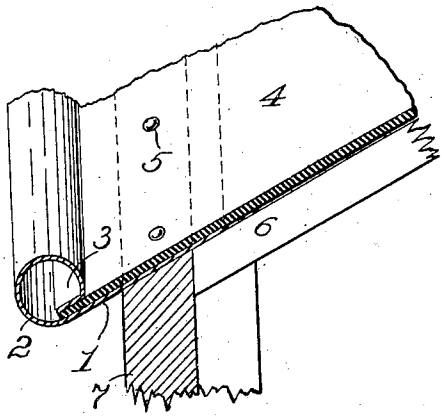


Fig. 1.

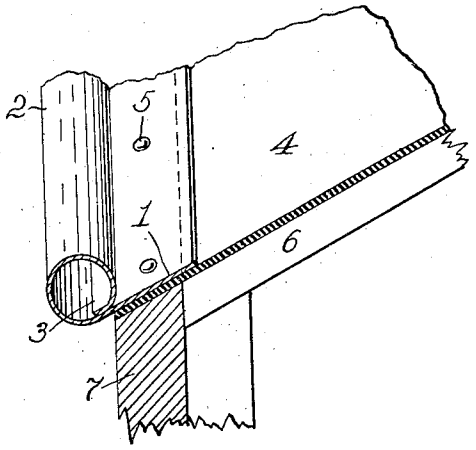


Fig. 2.

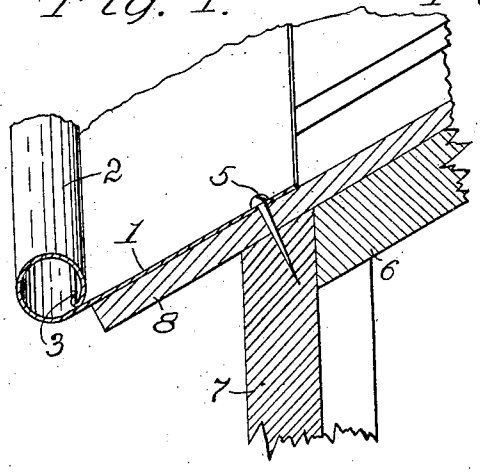


Fig. 3.

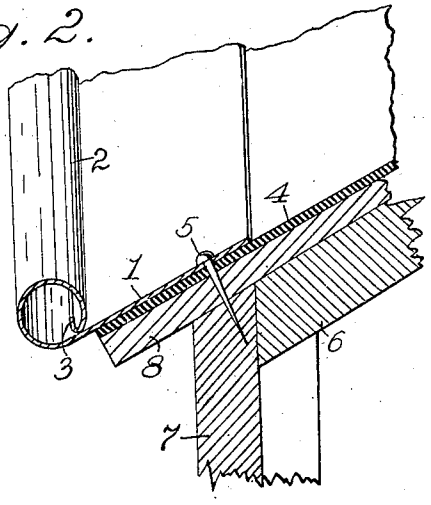


Fig. 4.

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UNITED STATES PATENT OFFICE.

FRANK M. TRAPHAGAN, OF WATERLO, IOWA; I. W. BLOUGH, ADMINISTRATOR OF SAID FRANK M. TRAPHAGAN, DECEASED, ASSIGNOR TO MAUDE JACKSON AND AMY STEVENS.

BORDERING FOR ROOFING.

1,377,610. Specification of Letters Patent. Patented May 10, 1921.

Application filed September 15, 1919. Serial No. 323,760.

To all whom it may concern:

Be it known that I, FRANK M. TRAPHAGAN, a citizen of the United States of America, and a resident of Waterloo, Blackhawk county, Iowa, have invented certain new and useful Improvements in Bordering for Roofing, of which the following is a specification.

My invention relates to improvements in bordering for roofing, and the objects of my improvements are these, first; to supply a bordering structure for roofings of buildings adapted to secure, hold in planar alinement and prevent warping or distortion of the marginal parts of the roofing; and second, to so shape this bordering structure as to render it an adornment to the building as a sightly edging for either the eave or gable margins of the roofing.

These objects I have accomplished by the means which are hereinafter described and claimed, and which are illustrated in the accompanying drawings, in which Figures 1 and 2 are fragmentary perspective views in transverse vertical section of parts of a roof structure upon which a covering of waterproof flexible material is placed, and in which Fig. 1 shows the marginal edge of said covering introduced within and elastically held by the resilient tubular part of my bordering body, while Fig. 2 shows the flat part of my bordering body overlaid upon the covering margin and secured thereto; Fig. 3 is a vertical transverse section of parts of a roof structure with shingle roofing, showing my improved bordering applied to this type of roofing, and Fig. 4 is a like view of a shingle roofing with covering of waterproof flexible material, showing my bordering mounted upon the marginal part of the latter and secured to both said covering, the underlying shingles and to the roof structure.

In said drawings the numeral 7 denotes the fascia, 6 the rafter or boarding supported on said fascia. The roof may be of any other type, however, whether flat or inclined, and of any materials or arrangements of its elements, as desired. It is also not material what kind of roof covering is employed, as my new ornamental and securing bordering is applicable to any description of roofing, whether shingle, flexible waterproof material or metal.

My improved bordering, in its preferred shape, is formed by longitudinally bending or curving an elongated strip of flat metal or sheet 1 to provide along one longitudinal edge a hollow cylindrical tube 3. This sheet 1 is also preferably a relatively resilient body, such as galvanized iron, so that the split tube 2 thus provided is also resilient, yet sufficiently rigid together with its marginal inturned edge 3, to both reinforce the bordering and also serve as a clip or elastic securing means for any included part of a roofing plate, such as the sheet of waterproof elastic or flexible material shown in Figs. 1 and 2. It is to be understood, however, that the tubular part 2 and its inturned margin 3 may be of any other shapes desired, whether polygonal, elliptical or flattened in cross-section, but the shape shown is the easiest to form and also presents to the eye the most pleasing appearance.

In Fig. 1, I have shown the marginal edge of the flexible roofing sheet 4 extended into the hollow interior of the tube 2 at its split, and engaged between the flat part 1 and the flat inturned margin 3 of the tube. Nails 5 or other fastening means are employed to secure both the sheet 4 and the flat part 1 to the fascia 7 and roof-boards 6 or other supporting structure. The resiliency of the tube 2 causes the flat margin 3 to tightly grip the marginal included part of the sheet 4, thus holding the marginal part of said sheet in flat or planar alinement, and preventing it from warping or distortion by reason of the action of the elements or variations in temperature. This prevents damage to the sheet, improves its appearance and longevity. The marginal edge of the tube at its split may be otherwise formed, or may be provided with detents or other engaging-means adapted to engage or penetratively secure the sheet 4, and yet come within the scope and principle of my invention.

In Fig. 2, the flat part 1 of the bordering is overlaid upon the marginal portion of the sheet 4, and in this use, the provision

of a distinct margin 3 to the tube 2 is unimportant except to close the tube and strengthen it.

If desired, the tubular part 2 may be inverted, yet present a similar appearance on the building, especially when completely overlaid upon the roofing.

In Fig. 3, the bordering is shown as mounted upon the outer ends of roof shingles 8, secured thereto and to the boarding 6 by nails 5. In Fig. 4 is depicted a similar arrangement, wherein shingles 8 are provided with a covering sheet 4 of waterproofed flexible or other material, the parts secured together by nails 5.

My improved bordering is not intended for use as a roof gutter or water carrier, though doubtless it could be of such dimensions and form as to serve that purpose. It provides an ornamental architectural feature as a roofing edging or finish, and when carried around the gable or eave portions of the roof margins, or both, rounds out and completes the sightly appearance of the roof as related to the supporting and other adjacent structures of the building. The bordering also is such as to be easily formed on a machine in suitable lengths, and may be carried in stock in proper sizes and standard shapes, and in application to a roof may be joined end to end by telescoping the tubular parts a short distance.

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

1. A finishing bordering for roof gables, comprising an elastic elongated plate to be secured upon the margin of a roof, the outer part of the plate being bent tubularly upwardly around and away from said margin and having a centrally offset longitudinal edge adapted to resiliently clamp an inserted edge of a roofing strip between itself and the main body of the plate.

2. A finishing bordering for a roof and the like, comprising an elongated plate having a flat longitudinal margin, and means for fastening said margin to the roof surface, said plate having its opposite longitudinal margin rolled tubularly upwardly and around toward the roof, with yieldable elastic edge abutting upon the first-mentioned margin spaced from the edge of the latter.

Signed at Waterloo, Iowa, this 10th day of September, 1919.

FRANK M. TRAPHAGAN.