Aug. 9, 1932. N. P. PIEROSE 1,870,963

ROOF CONSTRUCTION

Filed Nov. 27, 1929

Fig. 1.

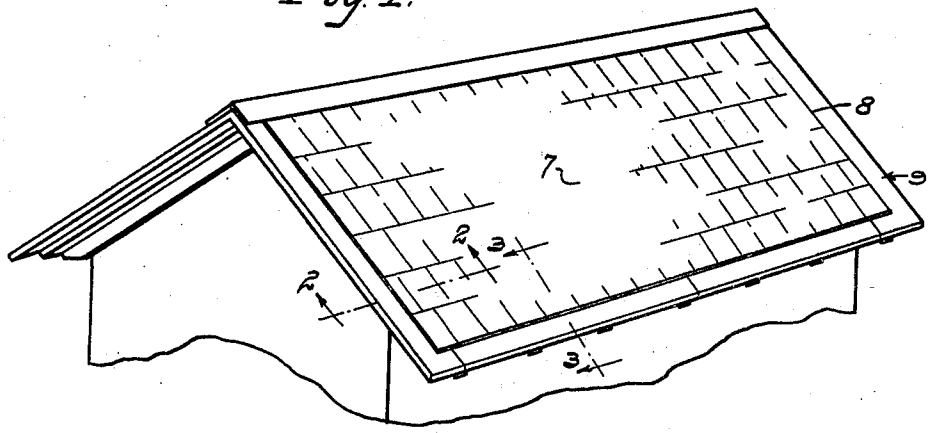


Fig. 2.

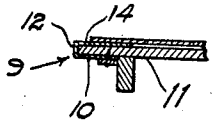


Fig. 3.

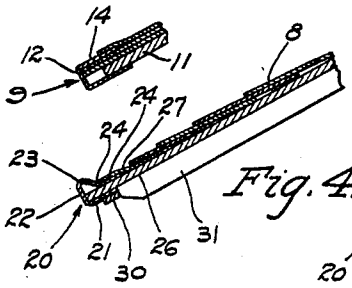
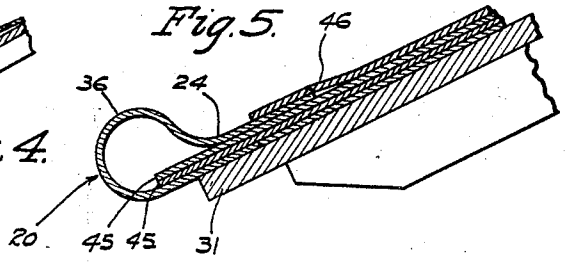


Fig. 4.

Fig. 5.



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UNITED STATES PATENT OFFICE

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ROOF CONSTRUCTION

Application filed November 27, 1929. Serial No. 410,167.

This invention relates to a roof construction and more particularly to a binding strip or roof edge construction.

An object of the invention is to provide an improved edge construction for roofs which will prevent the shingles occupying the edge portion of the roof from warping out of shape under the influence of the weather.

Another object of the invention is to stabilize and strengthen the construction of the marginal portion of a roof, particularly along the eave portion thereof. The invention relates to an improved binding strip or roof edge portion made of water-proof material and is applicable to shingle roofs whether the shingles are composed of wood, water proof composition or of other materials.

A further object of the invention is to provide a border strip which may be so shaped as to act as an eave trough. The roof border strip provided by this invention is so shaped and so adjusted to the edge portion of the roof that, even when said binding strip is made of roofing paper or other inexpansible flexible water-proof material, it does not contact with any sharp edge portion of the roof in such a way as to wear or break, and for this, as well as for other reasons, possesses the advantage of wearing for a long time.

Other objects, advantages and features of invention may hereinafter appear.

Referring in detail to the drawing, which illustrates what is at present deemed to be a preferred embodiment of the invention,

Fig. 1 is a perspective view of a roof, showing the same applied with the invention.

Fig. 2 is a fragmental cross section on line 2—2 of Fig. 1.

Fig. 3 is a cross section on line 3—3 of Fig. 1.

Fig. 4 is a cross section similar to Fig. 3 but illustrating a form of the invention adapted to perform the function of an eaves trough.

Fig. 5 is a sectional view similar to that shown in Fig. 3 except that the scale is somewhat larger and a slightly modified construction is shown.

Referring in detail to the drawing, a roof body 7 is shown provided with shingles 8 desirably of a water-proof paper composition assembled in the usual manner.

Fig. 2 shows the invention embodied in a binding strip 9 which may be of a water-proof paper composition, said strip being applied to the edge of the gable of the roof. This strip 9 consists of a lower run or arm 10 which is tacked or otherwise secured to the lower side of the roof member 11 and which is at its outer edge extended up in an end portion or run 12 and is then continued back a short distance from the edge of the roof as an arm or extension 14, said extension 14 being tacked or other-wise fastened to the edge portion of the roof 7.

Fig. 3 illustrates a modified form of strip, the strip 9 of this view is constructed the same as the strip shown in Fig. 2.

A binding strip 30 may be provided underneath the run 21 of strip 20, said binding strip resting upon the lower end portions of the rafters 31. In addition to the frictional or gripping means for holding the binding strip in place, nails or other fastening devices may be employed.

In Fig. 4 is shown a modified form of the invention the same being applied to the eaves portion of the roof. In this view the binding strip 20 is provided with a lower run 21 and end run 22, an upper swell 23 and an upper run 24. The strip thus formed is placed astride the lower edge portion of a marginal board 26, the upper run 24 of the strip being gripped between the lower run of shingles 27 and the upper surface of said board 26.

In Fig. 5 a plurality of superimposed shingles 45 are included within the strip 20 to form a more stable roll edge roof edge construction 36. The upper run 24 of the

binding strip 20 is secured between a course of shingles 46 and the upper shingle of the plurality of shingles 45. Otherwise the construction shown in Fig. 5 is the same as that shown in Fig. 4.

In all of the forms of the invention which have been described, the swells 23 and 36 keep the upper outer corner portion of the binding strip out of contact with the adjacent edge portion of the roof and therefore prevents the tendency of breakage or wear that would occur if the strip were made of roofing paper or like materials and conformed snugly to the edge portions of the roof.

Owing to the fact that the rigid binding strip 30 is secured to the under side of the eaves portion of the roof in an upwardly spaced relation to the lower edge of the eaves, it is less apt to break the roofing paper binding strip at its lower angle, but none the less efficiently aids in keeping the latter binding strip in place.

The binding strip in all of its forms, if desired, may be made of sheet metal, but as has been stated, is so shaped as to wear a very long time even if made from roofing paper. It is, however, important that the materials used be stiff enough to conform to the shapes shown in cross section of the drawings. In each instance the gutter which is formed on the up-roof side of the swell has a seamless bottom.

I claim:

1. A roof construction comprising a marginal board extending along the eaves of the roof, a lower run of shingles overlying said board, a roofing paper binding strip having two limbs one of which is positioned on each side of said board, the uppermost of said limbs being gripped between said lower run of shingles and said board, and additional means to fasten said binding strip in place, the exposed portion of the upper limb of said binding strip having a swell adapted to form a gutter externally thereto and on the up-roof side thereof, said fastening means including a rigid binding strip underlying the eaves.

2. A roof construction comprising a board portion which extends along the eaves of the roof, a composition binding strip having two limbs one of which is positioned on each side of said board, there being a lower run of shingles which overlies a portion of the uppermost limb and there being in said composition strip an upwardly and outwardly extending swell to form a gutter, and a rigid binding strip which underlies the eaves and is upwardly spaced away from the lower edge of the eaves, said rigid binding strip being secured in place against the lower run of said composition strip to aid in keeping it in place.

3. A roof construction comprising a marginal board extending along the eaves of the roof, a lower run of shingles overlying said board, a roofing paper binding strip having two limbs one of which is positioned on each side of said board, the uppermost of said limbs being gripped between said lower run of shingles and said board, and means to fasten said binding strip in place, said fastening means including a rigid binding strip underlying the eaves.

In testimony whereof I hereunto affix my signature.

NICHOLAS P. PIEROSE.