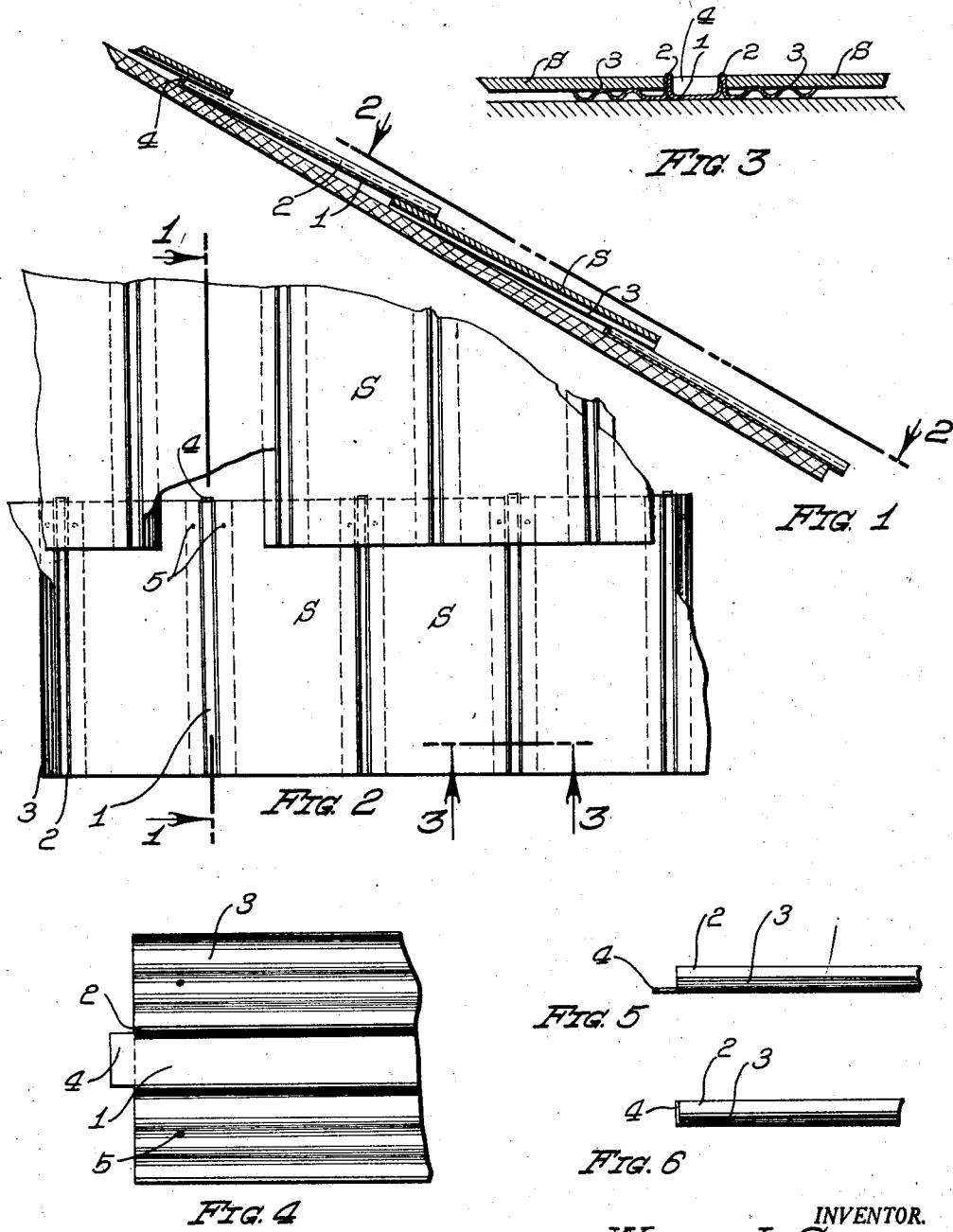


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W. L. SHIRLEY
SHINGLE SPACER FOR ROOFS

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SHINGLE SPACER FOR ROOFS.

Application filed June 10, 1927. Serial No. 197,839.

My invention relates to a spacing device for shingles for roofs and the like, and the objects of my invention are: first, to provide a device of this class for spacing the shingles on a roof or the like; second, to provide a device of this class for supporting the shingles in elevated position; third, to provide a device of this class which provides waterproofing between and under the edges of the shingles; fourth, to provide a device of this class which reduces the quantity of shingles required for covering and waterproofing a roof; fifth, to provide a device of this class for protecting the edges of the shingles; sixth, to provide a device of this class which supports the shingles laterally and longitudinally; and seventh, to provide a device of this class which is very simple and economical of construction, easy to apply, and which will not readily deteriorate or get out of order.

With these and other objects in view, as will appear hereinafter, my invention consists of certain novel features of construction, combination and arrangement of parts and portions, as will be hereinafter described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawings and to the characters of reference thereon, which form a part of this application, in which:

Figure 1 is a longitudinal sectional view through 1—1 of Fig. 2 therefor, showing a sectional view of the shingle spacer; Fig. 2 is a top or plan view of a fragmentary portion of a roof, showing some of the parts and portions broken away to facilitate the illustration; Fig. 3 is an enlarged sectional view through 3—3 of Fig. 2; Fig. 4 is a fragmentary top view of one end of the shingle spacer, particularly the normal upper end; Fig. 5 is an edge view of the same before the end portion is bent up; and Fig. 6 is a similar view with said end portion bent up.

Similar characters of reference refer to similar parts and portions throughout the several views of the drawings.

The shingle spacer consists of a middle portion 1, ridge members 2, corrugated side portions 3, and an end member 4. The shingle spacer is preferably made of one piece of sheet metal, preferably a non-corrosive, non-rusting metal such as copper or the like. It is preferably made approximately the length of the shingles with which it is to be used and is formed into a middle channel portion 1

are in spaced relation to each other, forming a middle channel member. Then the outer sides are longitudinally corrugated, as shown by Fig. 3. The ridge portions 2 are of the proper height so that they extend above the upper surface of the corrugated portion 3 approximately the thickness of the shingles S. The middle portion 1 is extended so that the extended portion is approximately the height of the ridge portion 2, and this portion 4 is bent up, as shown best in Fig. 6 of the drawings, and serves to prevent the wind from blowing the water up through the channel between the ridges 2 and the middle portion 1, and is positioned at the normally upper end of the shingle spacer.

The shingle spacer is used as follows:

A shingle spacer is secured to the roof foundation by nailing at the point 5, shown best in Fig. 2 of the drawings, the portion 4 being bent upwardly, closing the channel portion between the ridges 2. Then another spacer is positioned parallel therewith, spaced so that the ridges 2 between the two members are the proper width to receive a shingle S, so that the edges of the shingles rest against the sides of the ridges 2, thus providing means for protecting the edges of the shingles, it being noted that these ridges 2 are of approximately the same height as the shingle, the side margins of the shingle resting upon the corrugated side portion 3 of the shingle spacer, as shown best in Fig. 3 of the drawings, it being noted that the portions 3 are corrugated so that any water which would leak in between the ridge 2 and the edge of the shingle would pass downwardly along the corrugated portions of the side portion 3 of the spacer. These corrugated portions also support the shingles slightly spaced from the roof foundation, providing for ventilation and the like, and still providing substantial weatherproofing for the roof.

It will be noted that the shingles are supported on the spacers by means of the same nail or the support, as shown by the numeral 5 in Fig. 2 of the drawings, thus supporting the shingles and spacers by the same means. The next layer of shingles and spacers is lapped slightly over the upper ends of the shingles and spacers on the first row, and so on, and are positioned in staggered relation to each other, as shown best in Fig. 2 of the drawings.

Though I have shown and described a particular construction, combination and ar-

5 rangement of parts and portions, I do not wish to be limited to this particular construction, combination and arrangement, but desire to include in the scope of my invention, the construction, combination and arrangement substantially as set forth in the appended claims.

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

1. In a shingle spacer, a sheet metal member provided with a pair of spaced longitudinal ridges forming a channel therebetween, and laterally extending side portions for the side margins of shingles to rest upon.

2. In a shingle spacer, a sheet metal member provided with a pair of spaced longitudinal ridges forming a channel therebetween, and laterally extending side portions for the side margins of shingles to rest upon, the outer sides of said ridges adapted for the edges of the shingles to rest against.

3. In a shingle spacer, a sheet metal member provided with a pair of spaced longitudinal ridges forming a channel therebetween, and laterally extending portions provided with longitudinal corrugations therein for supporting the side margins of adjacent shingles in raised position.

4. In a shingle spacer, a sheet metal member provided with a pair of spaced longitudinal ridges forming a channel therebetween, laterally extending portions provided with longitudinal corrugations therein for supporting the side margins of adjacent shingles in raised position, and an end portion on one end of said shingle spacer adapt-

ed to be turned up against the end of said spacer. 40

5. In a shingle spacer, a sheet metal member approximately the length of the shingles with which it is to be used and provided with a pair of spaced longitudinal ridges at its middle portion forming a channel therebetween and with laterally extending side portions upon which the side margins of the shingles rest, the edges thereof resting against the outer sides of said ridges. 45

6. In a shingle spacer, a sheet metal member approximately the length of the shingles with which it is to be used and provided with a pair of spaced longitudinal ridges at its middle portion forming a channel therebetween and with laterally extending side portions upon which the side margins of the shingles rest and forming stops for the said edges of said shingles, and an extended end portion on one end thereof adapted to be turned upwardly at a right angle to the main portion of said spacer. 50 55 60

7. In a shingle spacer, a sheet metal member provided with a pair of spaced longitudinal ridges at its middle portion and with corrugated, laterally extended, side portions and shingles, the side margins of which rest upon said corrugated side portions and are secured with said spacer to the roof foundation, the edges of said shingles resting against the sides of said ridges. 65 70

In testimony whereof, I have hereunto set my hand at San Diego, California, this 31st day of May, 1927.

WALTER L. SHIRLEY.