

Oct. 23, 1923.

1,471,396

A. A. GRISWOLD

RIDGE OR HIP FLEXIBLE SHINGLE

Filed Aug. 17, 1922

FIG. 1

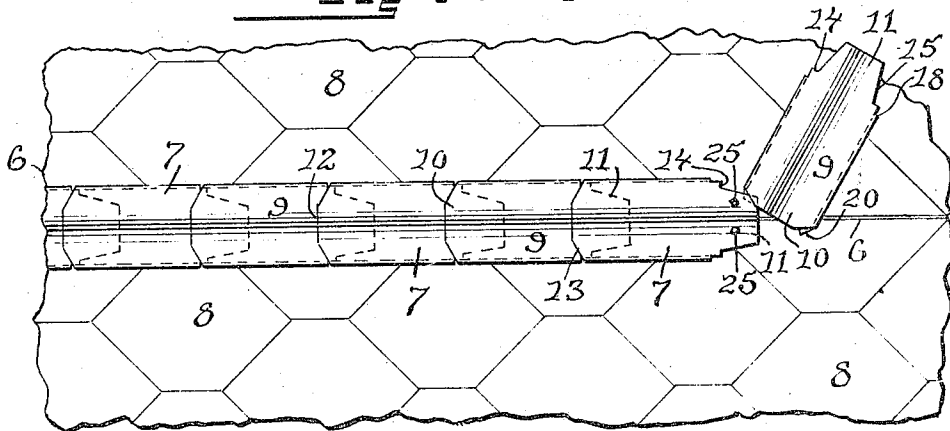


FIG. 2

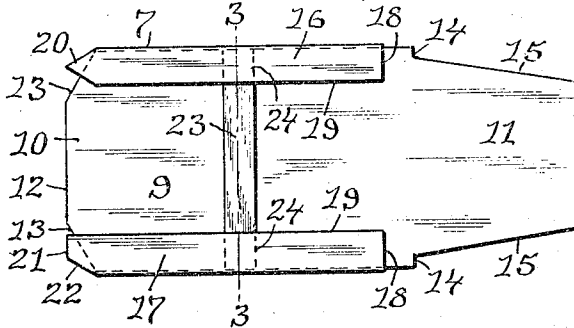


FIG. 3

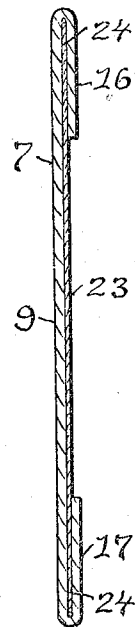


FIG. 4

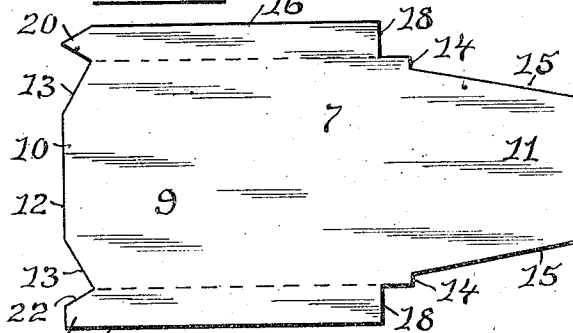
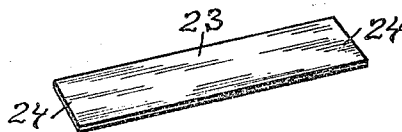


FIG. 5



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RIDGE OR HIP FLEXIBLE SHINGLE.

Application filed August 17, 1922. Serial No. 582,424.

To all whom it may concern:

Be it known that I, ALBERT ABBE GRISWOLD, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Ridge or Hip Flexible Shingles, of which the following is a specification.

My invention has reference to an improvement in flexible shingles and more particularly to an improvement in flexible shingles for use on roof ridges or hips of buildings.

The object of my invention is to construct such flexible shingles whereby when the shingles are in place on the ridge or hip of a roof, the shingles are locked together lengthwise thereby holding down the otherwise free ends of the shingles and preventing the shingles from curling up, such curling up allowing rain, sleet or snow to beat up under the shingles and destroying the utility of the shingles.

A further object of my invention is to construct such a flexible shingle whereby the shingle may be easily bent to conform to the hip or ridge of a roof and when so bent will retain its bent form indefinitely.

Another object of my invention is to construct such flexible shingles whereby the shingles are easily and quickly locked together in shingling the ridge and hips of roofs.

My invention consists in the peculiar and novel construction of a ridge or hip flexible shingle, said ridge or hip flexible shingle having details of construction, as will be more fully set forth hereinafter and claimed.

Figure 1 is a plan view of a ridge portion of a roof provided with my improved flexible ridge or hip shingles. This Figure 1 may also represent a hip portion of a roof.

Figure 2 is an inverted plan view of my improved ridge or hip flexible shingle.

Figure 3 is an enlarged transverse sectional view through the shingle taken on line 3, 3 of Figure 2.

Figure 4 is a plan view of the shingle in the blank form, and

Figure 5 is a perspective view of the shaping and reinforcing bendable member in the form of a bendable strip of metal, removed from the shingle.

In the drawing 6 indicates a ridge portion of a roof, 7, 7 my improved flexible ridge or hip shingles, and 8, 8 flexible shingles on the roof. These shingles 8, 8 are the same as

shown in United States Patent No. 1,274,410 granted to me August 6, 1918, and form no part of my present invention.

My improved flexible ridge or hip shingle 7 has first a rectangular shaped body 9 with a locking end 10 and a nailing end 11. The locking end 10 has a straight edge 12 and bevelled end portions 13, 13. Edge shoulders 14, 14 are formed on the nailing end of the body 9 and from these shoulders extends the nailing end 11 having slightly tapered side edges 15, 15. On the side edges of the body 9 are underturned lips 16 and 17 each having stop ends 18, 18, spaced a predetermined distance from the shoulders 14, 14. These lips 16 and 17 have straight edges 19, 19 parallel with each other and are part of the means for locking the shingles together. The lip 16 has the pointed end 20 at the locking end of the shingle and the lip 17 has a flat square end 21 merging into an outer bevelled edge portion 22, at the locking end of the shingle. The lips 16 and 17 are on the underside of the shingle and preferably spaced from the body of the shingle the thickness of a shingle. A shaping and reinforcing member in the form of a bendable strip 23 of sheet metal having ends 24, 24 is placed across the underside of the body 9, preferably in a central position, with the ends 24, 24, under the lips 16 and 17 which holds it in place, as shown in Figure 2. Although the shingle is preferably used with the bendable strip 23, it may be used without it if desired.

The method of shingling the ridge or hip of a roof with my improved flexible ridge or hip shingles, is the same. In shingling a ridge my improved shingles are bent to conform to the angle of the ridge, the bendable strip 23 holding the now bent shingle in the shape required. The shingle is now nailed at 25, 25 to each side of the ridge, as shown in Figure 1. The next shingle is then placed at an angle, as shown in Figure 1, in a position for a corner of the nailing end 11 of the first shingle to rest on the square end 21 of the underturned lip 17 of the next shingle which is then brought onto the ridge and shoved over the first shingle, the stop ends 18, 18 of the underturned lips on the first shingle limiting the closing movement of the second shingle. The nailing end 11 of the first shingle now lies between the underturned lips 16 and

17 and the body 9 of the second shingle, thereby locking the locking end 10 of the second shingle to the nailing end 11 of the first shingle. The pointed end 20 on the 5 underturned lip 16 assists in passing the lip under the nailing end of the first shingle. This method of nailing and laying the shingles is then continued for the entire length of the ridge or hip and only two 10 nails are required for each shingle.

Having thus described my invention I claim as new:—

1. A ridge or hip flexible shingle comprising a rectangular shaped body having a 15 locking end, oppositely disposed edge shoulders, a nailing end extending from the shoulders, underturned oppositely disposed parallel side lips on the body and spaced from the body the thickness of a shingle, one of the 20 lips having a pointed end and the other lip having an oppositely disposed square end,

the shoulder adjacent ends being spaced from the shoulders a predetermined distance and form stops, a bendable member in the form of a strip of sheet metal and held in place by the underturned lips, for the purpose as described.

2. A ridge or hip flexible shingle comprising a rectangular shaped body having a locking end, oppositely disposed edge shoulders, 30 a nailing end extending from the shoulders, underturned oppositely disposed parallel side lips on the body and spaced from the body the thickness of a shingle, one of the lips having a pointed end and the other lip hav- 35 ing an oppositely disposed square end, the shoulder adjacent ends being spaced from the shoulders a predetermined distance and form stops, for the purpose as described.

In testimony whereof, I have signed my name to this specification.

ALBERT ABBE GRISWOLD.