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W. J. MOUNTFORD, JR

1,493,374

SHINGLE SECURING MEANS

Filed July 14, 1923

Fig. 1.

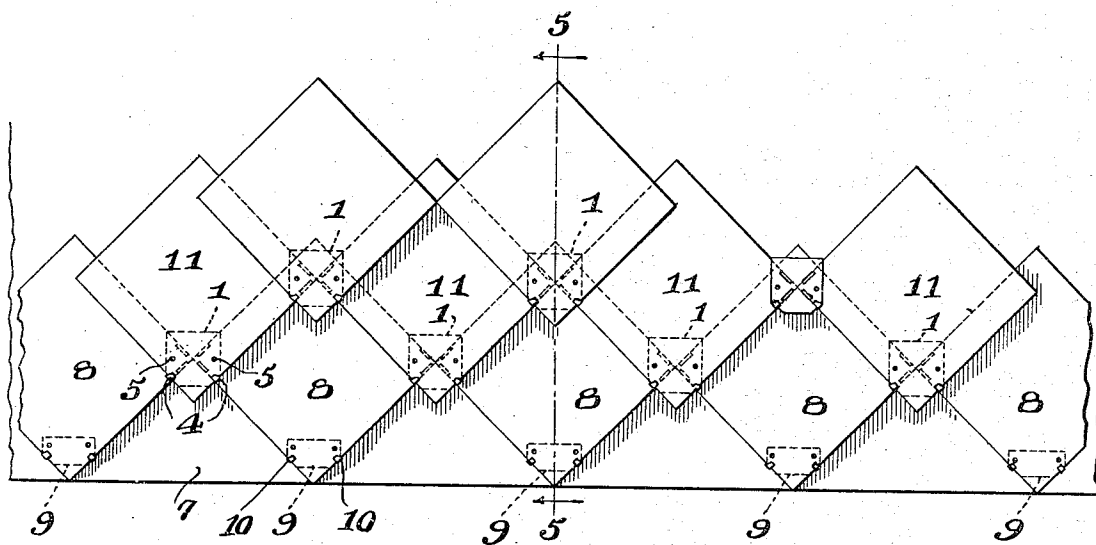


Fig. 2.

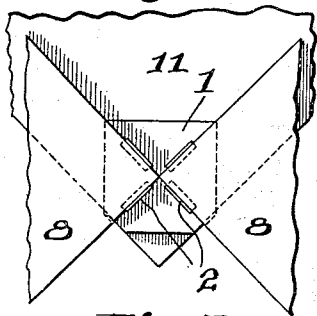


Fig. 3.

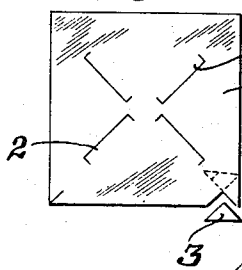


Fig. 4.

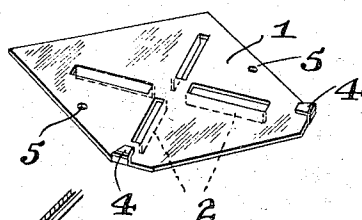


Fig. 6.

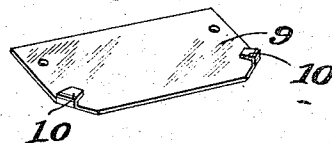
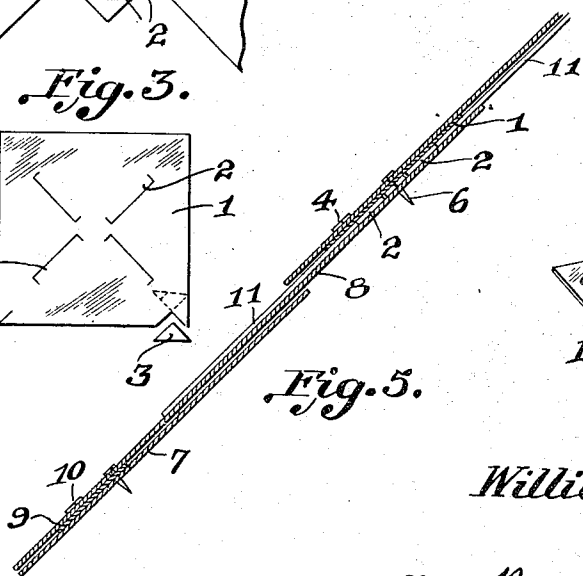


Fig. 5.



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SHINGLE-SECURING MEANS.

Application filed July 14, 1923. Serial No. 651,563.

To all whom it may concern:

Be it known that I, WILLIAM J. MOUNTFORD, Jr., a citizen of the United States, residing at 205 West 57th St., New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Shingle-Securing Means; 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 shingle securing means and more especially to suitable clips which will be used to space the shingles in their proper relation and also to hold them locked in fixed position.

An object of the invention is to provide a suitable shingle securing clip which will be so constructed that it will positively space the shingles in the proper manner, and will furthermore have means formed integrally thereon for holding the next layer of shingles in position.

Another object of the invention is to provide the combined shingle securing and spacing means for composition shingles which will be laid with their points toward the lower edge of the roof instead of parallel with the roof.

A still further object of the invention is to provide a combined shingle securing and spacing means which are highly efficient in use and quite inexpensive to manufacture.

Other objects will appear as the description proceeds.

In the accompanying drawings which form part of my application,

Fig. 1 is a plan view of a section of roofing having my improved shingle securing and spacing means to hold the shingles in position.

Fig. 2 is a plan view of one of my securing and spacing plates showing the method of applying the same.

Fig. 3 is a plan view of a blank showing the position or location of the radially extending spacing lugs, and also the method of forming the locking ears.

Fig. 4 is a perspective view of my improved shingle spacing and securing means.

Fig. 5 is a sectional view taken on the line 5-5 of Fig. 1, and

Fig. 6 is a perspective view of a modification or starting clip.

Like characters of reference are used throughout the following specification and the accompanying drawings to designate corresponding parts.

My improved shingle securing and spacing plate 1 is formed preferably rectangular in shape. A plurality of radially and downwardly extending spacing lugs 2 are punched from the plate 1 and extend in a line from a common center towards the four corners of the plate.

Triangular shaped pieces 3 are completely cut from the plate 1 at the bottom corners of the said plate which leaves the oppositely disposed ears 4 which are in turn bent upwardly and downwardly as best illustrated in Fig. 4 of the drawings.

A plurality of holes 5 extend through the plate 1 and are adapted to receive suitable fastening nails or tacks 6.

The mode of operation of using these plates or clips is clearly shown in Fig. 1 of the drawings. A base or weather strip 7 is first laid along the lower edge of the roof after which the shingles 8 of the first course are placed point to point and underneath the plates 1 and are clearly spaced by means of the downwardly extending spacing lugs 2, due to the fact that adjoining edges of each shingle contact with the said spacing lugs. The nails are then driven through the opening 5 and plates 1 and through the adjacent shingles of the first course thereby holding the same in fixed position. The lower points of the first course of shingles 8 are held down by the modified clips 9 which are of approximately half the size of the clips 1 and are only provided with the upwardly and inwardly turned ears 10 which securely engage and hold the shingles in place. The clips 9 are disposed beneath the points of the shingles 8.

The shingles 11 of the second course are then placed on top of the plates 1, with their points extending toward the lower edge of the roof, so that the adjacent sides or edges of the shingles will slip in underneath the upwardly and downwardly turned ears 4, thereby holding the same in fixed position and in such a manner as to prevent the wind from blowing up the loose edges of the said shingles.

A second row of shingle securing and spacing plates 1 are then positioned between the adjacent edges of the second course of

shingles and are securely fastened down with suitable nails 6 driven through the opening 5. This procedure is followed out for each separate course of shingles laid so that when the whole surface of the roof is covered it will be impossible for the wind to dislodge the shingles, as all of the corners and edges will be securely fastened to the roof.

10 It will be understood that while I have described my preferred form of invention, I do not intend to limit myself thereto, as many minor changes in detail of construction will be resorted to without departure
15 from the spirit of the invention.

Having thus described my invention what I claim as new and desire to secure by Letters Patent of the United States is:

20 1. A shingle securing means comprising a substantially rectangular plate and a plurality of radially extending spacing lugs stamped therefrom.

2. A shingle securing means comprising a substantially rectangular plate, a plurality
25 of radially extending lugs depending there-

from, and upwardly and inwardly extending locking ears carried by said plate.

3. A shingle securing and spacing means comprising an integrally formed plate, a plurality of radially extending spacing lugs 30 depending therefrom and a pair of upwardly and inwardly turned locking ears formed integrally with said plate.

4. A shingle securing and spacing means comprising an integrally formed rectangular plate, a plurality of radially extending spacing lugs depending therefrom, said plate being provided with openings to receive suitable fastening means and integrally formed upwardly and inwardly extending locking ears formed on the adjacent corner of said plate. 35 40

5. A shingle securing means, comprising a substantially rectangular shaped body portion, radially extending spacing means on said body portion, and radially spaced shingle engaging means at the lower end of said body portion. 45

In testimony whereof I affix my signature.
WILLIAM J. MOUNTFORD, JR.