June 10, 1947. G. C. TURMAN 2,421,766

INTERLOCKING SHINGLE

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Fig. 1.

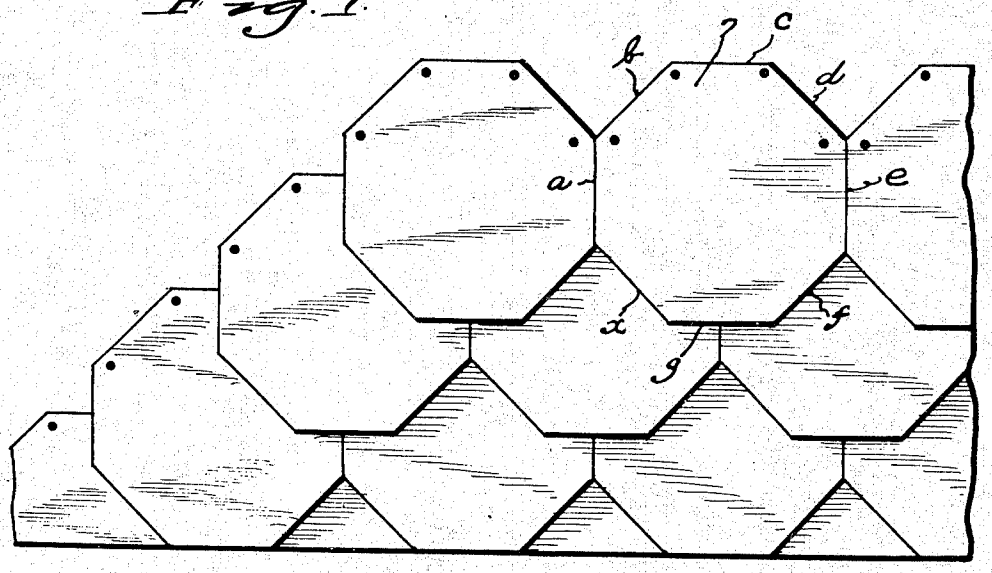


Fig. 8.

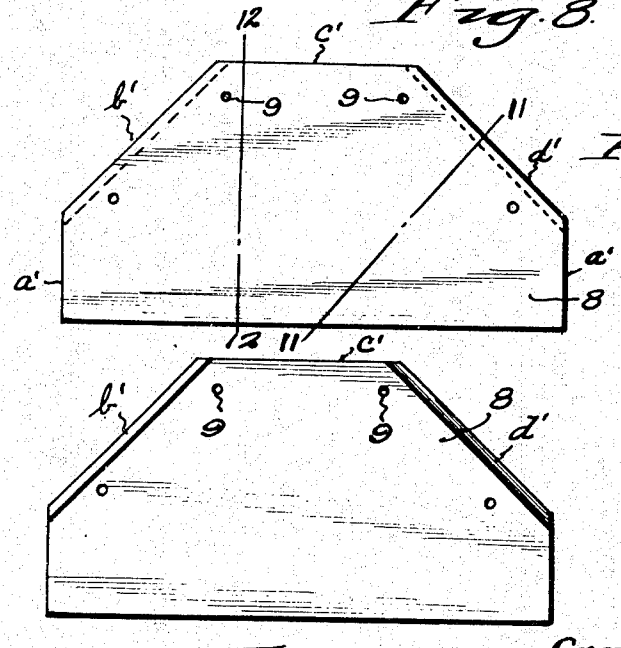
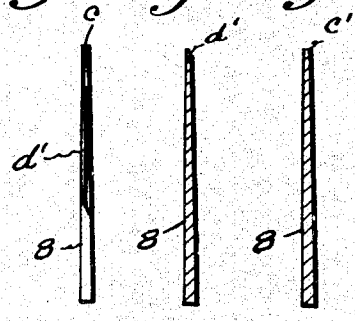


Fig. 9.

Fig. 10. Fig. 11. Fig. 12.



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Fig. 3.

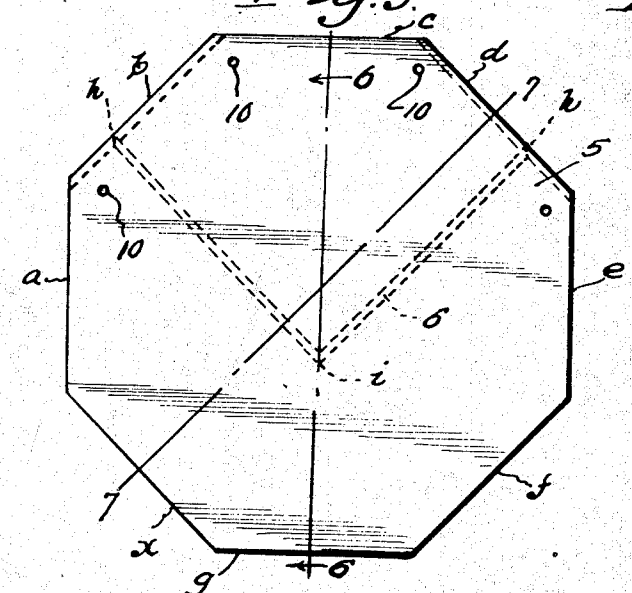


Fig. 5. Fig. 6.

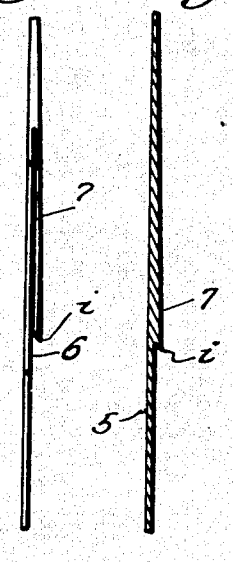


Fig. 4.

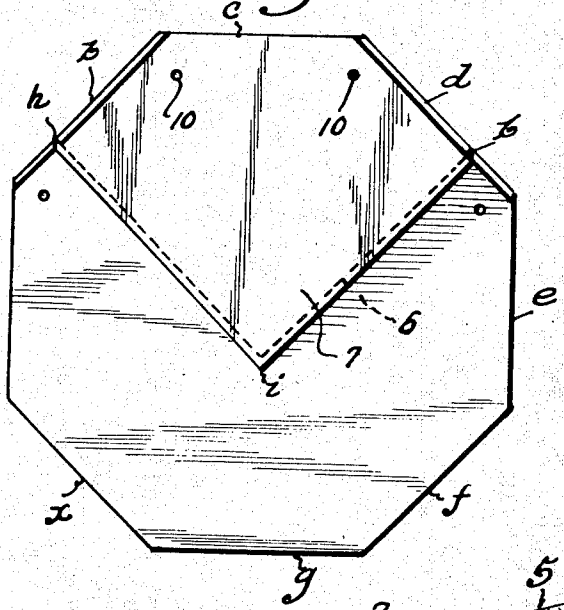


Fig. 7.

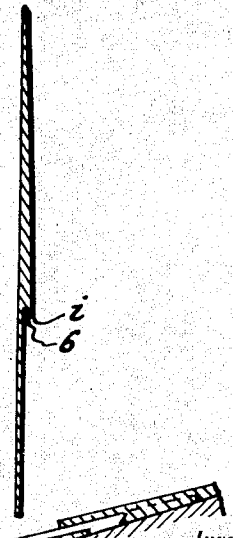
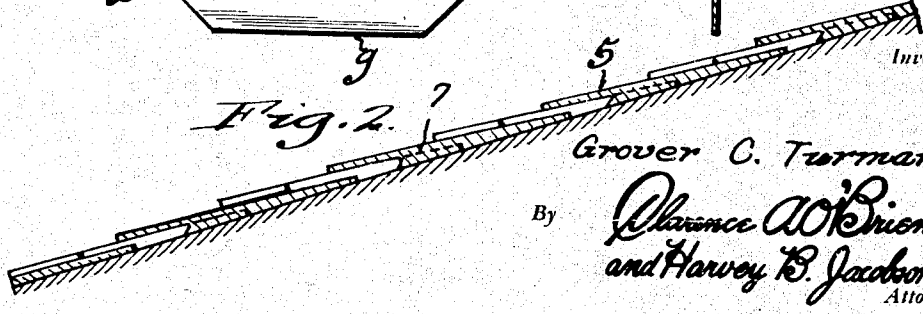


Fig. 2.



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INTERLOCKING SHINGLE

Grover C. Turman, Key West, Fla.

Application May 11, 1943, Serial No. 486,557

2 Claims. (Cl. 108—8)

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This invention relates to new and useful improvements in building shingles such as may be used for roofing or siding.

An important object of the present invention is to provide a shingle having a special interlocking feature which does away with the space behind shingles of present-day construction.

Another important object of the invention is to provide a shingle structure which when assembled either as a roof or a building side offers a solid through construction, rather than the overlapping spaced result that is now gained with present-day shingles.

Other objects and advantages of the invention will become apparent to the reader of the following description.

In the drawings—

Figure 1 is a fragmentary top plan view of a roof constructed with the improved shingle.

Figure 2 is a fragmentary sectional view through a roof constructed with the present improved shingle.

Figure 3 is a plan view of one of the shingles.

Figure 4 is a bottom plan view of one of the shingles.

Figure 5 is an edge elevational view.

Figure 6 is a section on the line 6—6 of Figure 3.

Figure 7 is a section on the line 7—7 of Figure 3.

Figure 8 is a plan view of the starting shingle.

Figure 9 is a bottom plan view of the starting shingle.

Figure 10 is an end elevational view of the shingle shown in Figure 8.

Figure 11 is a section on the line 11—11 of Figure 8.

Figure 12 is a section on the line 12—12 of Figure 8.

Referring to the drawings wherein like numerals designate like parts, it can be seen in Figure 3, that the shingle is preferably of octagonal shape, the same being a sheet 5 constructed of any suitable material and preferably having the side edges *a*, *b*, *c*, *d*, *e*, *f* and *g*.

The upper portion of the shingle is somewhat thicker than the lower portion, that is, that upper portion which is defined by a shoulder extending from a point *h* on the side edge *b*, to a point *i* just below the center of the shingle and back to a point *h* on the side edge *d*. This right angularly formed shoulder *h*, *i*, *h* has an undercut bevel as denoted by reference character 6.

It can also be seen, that the thickened portion of the shingle, which will be referred to by reference character 7 gradually tapers from the point *i* to the uppermost edge c. Furthermore, the

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upper edges *b*, *d* are beveled under as is suggested in Figures 3 and 4.

Figures 8 to 12, inclusive, show a special starting shingle which, of course, is half the size of the shingle shown in Figure 3. This starting shingle is denoted by reference character 8 and has one half of the side edges *a*, *e* which are primed on the drawings depicting the starting shingle, upper beveled edges *b'*, *d'* and the top edge *c'*.

The starting shingle 8 has several openings 9 at the upper portion thereof, while each of the shingles 5 has a pair of openings 10 at the upper portion thereof.

It can now be seen, that a row of starting shingles 8 is first applied, after which a row of shingles 5 is disposed over the row of starting shingles 8 so that the beveled shoulder 7 will interlock the beveled upper side edges *b'*, *d'* of the starting shingle 8 while the thickened portion 7 will fill in what would ordinarily be a space behind the shingle 5.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention, what is claimed as new is:

1. A roof covering structure comprising a plurality of courses of similar plate-like shingles, each shingle having two downwardly diverging and downwardly and inwardly beveled edges on the upper portion thereof and being provided with a thickened upper portion defining a depending right angular shoulder on the under side of the shingle, said shoulder having downwardly converging and downwardly and outwardly beveled sides, the beveled edges of each shingle interlocking with adjacent beveled sides of the shoulders of two adjacent shingles in the succeeding course and the beveled sides of the shoulder of each shingle interlocking with adjacent beveled edges of two adjacent shingles in the preceding course so that each shingle is interlocked with other shingles on four sides or with two shingles in the preceding course and two in the succeeding course to provide a rigid self-sustaining structure.

2. In a roof covering structure embodying a plurality of courses of similar plate-like shingles, a plate-like shingle having two downwardly diverging and downwardly and inwardly beveled edges on the upper portion thereof and being provided with a thickened upper portion defin-

ing a depending right angular shoulder on the under side of the shingle, said shoulder having downwardly converging and downwardly and outwardly beveled sides, the beveled edges of said shingle being adapted to interlock with adjacent beveled sides of the shoulders of two adjacent shingles in a succeeding course and the beveled sides of the shoulder of said shingle being adapted to interlock with adjacent beveled edges of two adjacent shingles in the preceding course so that each shingle will interlock with other shingles on four sides or with two shingles in the preceding course and two in the succeeding course to provide a rigid self-sustaining structure.

GROVER C. TURMAN.

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