July 19, 1927. 1,636,349

R. B. ADAMS

ROOFING SHINGLE

Filed Dec. 30, 1925

FIG. 1.

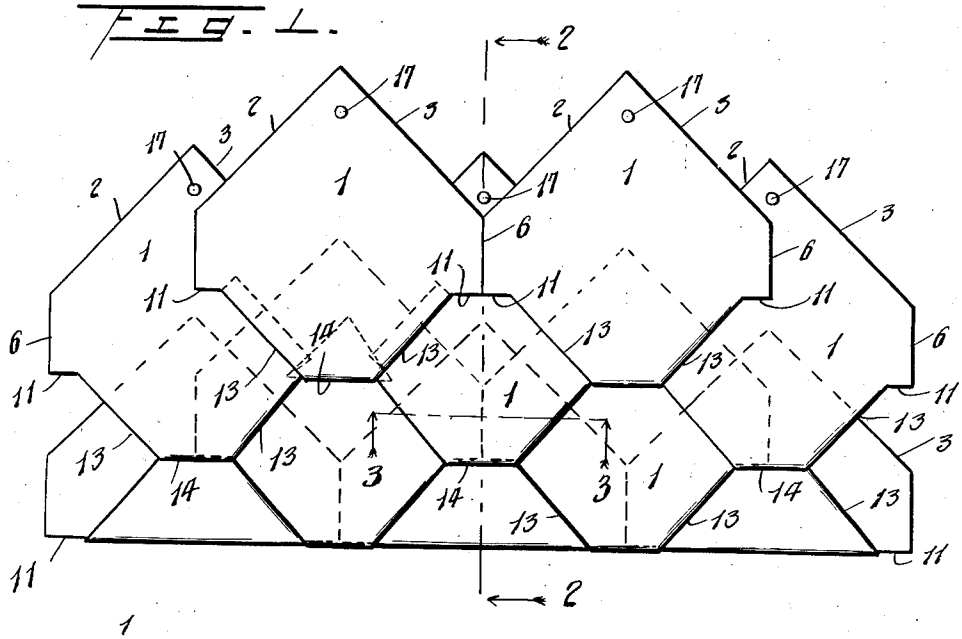


FIG. 2.

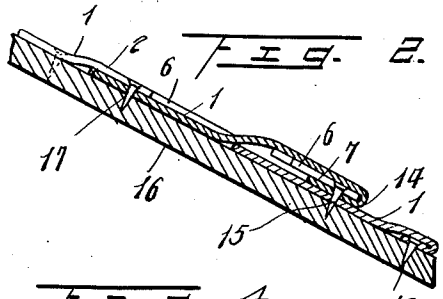


FIG. 3.

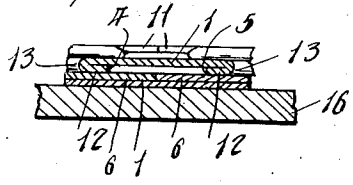


FIG. 4.

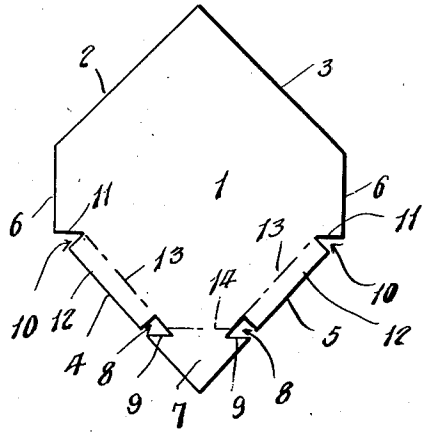
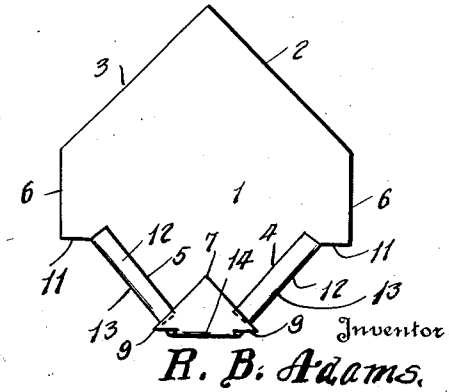


FIG. 5.



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UNITED STATES PATENT OFFICE.

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ROOFING SHINGLE.

Application filed December 30, 1925. Serial No. 78,383.

This invention relates to certain new and useful improvements in roofing shingles in which the shingles that are separately formed are interengaged and laid in a manner that none of the exposed edges of the shingles will turn up or curl.

A further object of the invention is to provide a roofing shingle wherein the shingles for the roof are interengaged with the lower side edges of the shingle exposed and return-bent to underlie the face of the shingle to provide a wind, rain and snow-tight joint.

With the above general objects in view and others that will appear as the nature of the invention is better understood, the same consists of the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing, wherein like reference characters designate like parts throughout the several views,

Figure 1 is a top plan view showing a plurality of shingles constructed in accordance with the present invention with the shingles interengaging and laid in their completed form,

Figure 2 is a vertical cross-sectional view taken on line 2—2 of Fig. 1,

Figure 3 is a detail sectional view taken on line 3—3 of Fig. 1,

Figure 4 is a developed plan view of one of the shingles, and

Figure 5 is a plan view showing the shingle with its interengaging portion folded into operative position.

In the acompanying drawing, wherein for purposes of illustration, there is shown the preferred emobdiment of the invention, the reference numeral 1 designates a shingle, preferably formed of any water-proof material desired and from a sheet having the outline of a rectangle as well as including upper edges 2 and 3 and lower edges 4 and 5. The opposite corners of the shingle 1 between the upper and lower sides thereof are cut away on parallel lines as at 6 which side edges abut adjacent shingles when laid as shown in Fig. 1.

The apex or lower corner of the lower side edges 4 and 5 is in the form of a spear head 7 that is fashioned by cutting away the side edges 4 and 5 as at 8 to provide rear shoulders 9 on the spear head 7. The side edges 4 and 5 adjacent the lower end of the side portions 6 of the shingle have triangular cutaway portions 10 forming shoulders 11 on the shingle 1, the cutaway portions 8 and 10 also providing slats 12 foldable upon the line 13 as shown in Figs. 4 and 5.

In assembling or interengaging the several shingles for the roof, the spear head 7 is folded upon the line 14 shown in Fig. 4 with the neck for the spear head connecting the latter to the body of the shingle 1 engaging the shoulders 11 upon adjacent edges 6 of a pair of cooperating shingles. The spear head 7 is first inserted under the shoulders 11 and then it is anchored at 15 to the roof member 16 in superposed relation to the body portion of a lower shingle as shown in Fig. 2, and said shingle is then laid in a flat position so that it overlies contacting portions of adjacent shingles positioned therebeneath with the exposed faces of the laid shingles being substantially of diamond-shaped configuration. The upper portion of the shingle is secured as at 17 to the roofing member while superposed shingles overlie all of the fastening elements. The slats 12 being turned inwardly as shown in Figs. 1 and 5 provide a more intimate contact between the exposed edges of a shingle and the face of a shingle therebeneath to give an exceptionally close and tight contact or engagement between the shingles. It is to be understood that the opposite finished edges of the roof may be formed of sections of shingles to effect the complete covering of the roofing member.

While there is herein shown and described the preferred embodiment of the present invention, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

What is claimed is:—

A roofing shingle comprising a body formed from a rectangular sheet with triangular portions removed from diametrically opposed corners thereof to provide the shingle with straight parallel side edges adapted to abut similar edges of similar adjoining shingles, with a pair of similar notches formed in the lower edges of the sheet to provide transversely aligned right angular shoulders at the lower ends of said side edges, and with a further pair of notches

formed in the lower edges of the sheet to form an arrow head tab of the lower corner portion of the shingle body having transversely aligned shoulders at its inner upper end, and a slat between each shoulder of the arrow head tab and the right angular shoulder at the adjacent side of the shingle body, said tab and slats being adapted to be under-turned for the inter-engagement and fastening of a plurality of the shingles, substantially as described.

In testimony whereof I affix my signature.

ROBERT B. ADAMS.