Oct. 17, 1939. J. B. HUNT 2,176,344

ROOFING CLIP

Filed April 18, 1935

Fig. 1

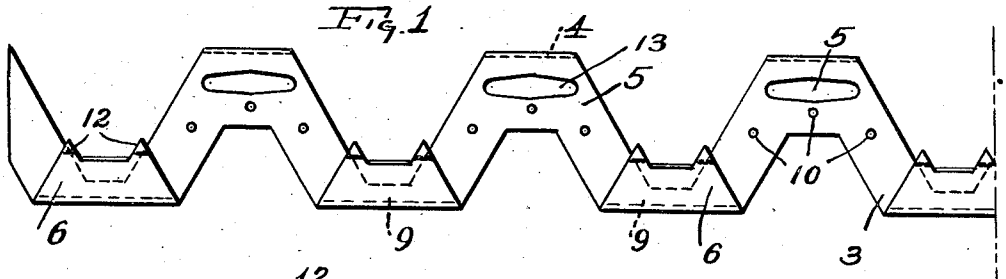


Fig. 2

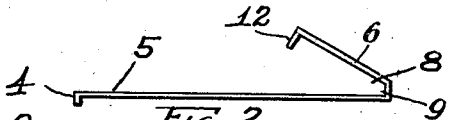


Fig. 3

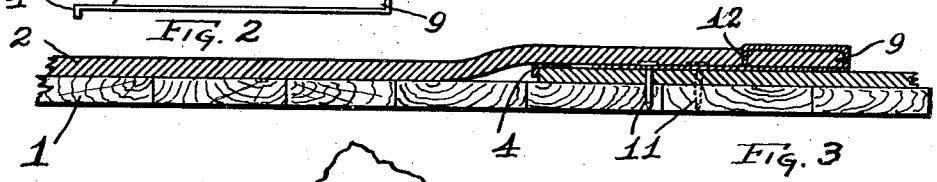
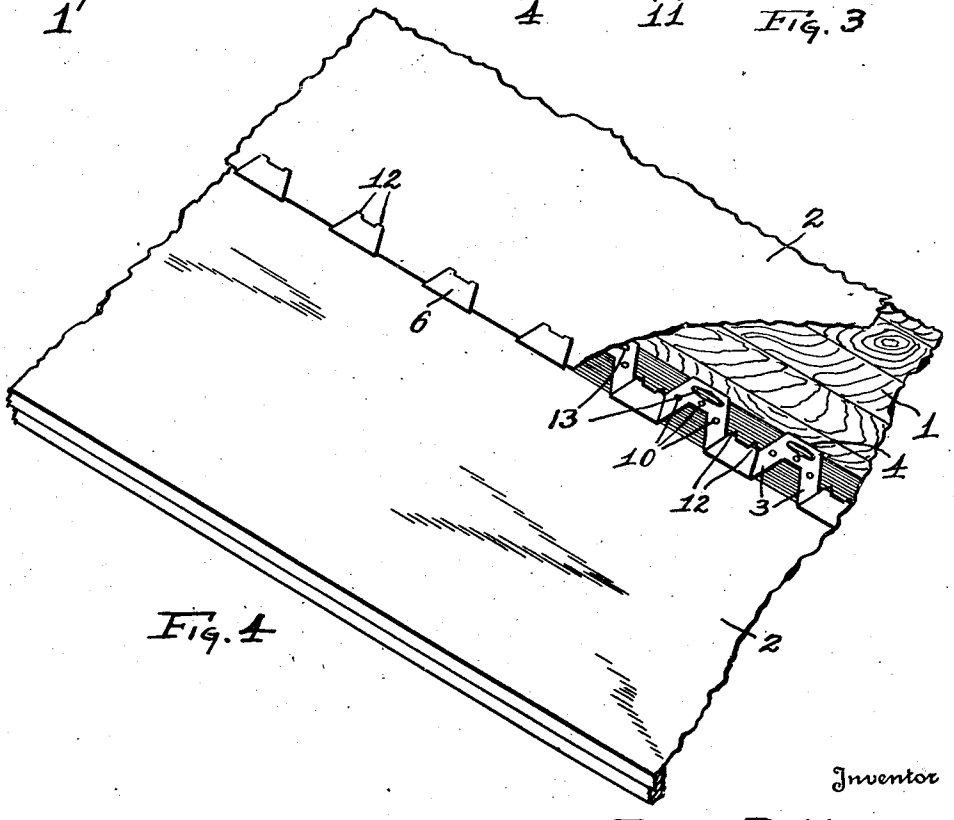


Fig. 4



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Patented Oct. 17, 1939

2,176,344

UNITED STATES PATENT OFFICE

2,176,344

ROOFING CLIP

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Application April 18, 1935, Serial No. 17,041

13 Claims. (Cl. 108—33)

This invention relates to a novel and improved roof fastening means, particularly pertaining to a clip adapted to be associated with one edge of a roofing element to engage said edge and hold the roofing in place.

Generally described, the invention is typified by strip formed from a thin sheet of thin metal such as sheet metal having adjacent one edge a flanged means adapted automatically to align or self position the strip in place and having adjacent the other edge a portion shaped to provide a pocket for receiving the bottom edge of the roofing element. This pocket may also be provided with means that may impinge the roofing element and hold same more securely within the pocket. The fastening strip may be of any length and is readily positioned by means of the guiding flange, and any number of means may be provided therein whereby the fastening strip may be nailed or otherwise secured in position. The fastening strip may also be provided with recesses in the body portion between the marginal aligning edge and the pocket carrying edge to provide a space or spaces whereby roofing mastic material, which is applied over the overlapping edges of the sheet, may fill in the recesses and form a better seal between overlapping edges of the roofing strips.

For a better understanding of the invention, reference may be made to the accompanying drawing in which:

Figure 1 is a plan view of a roofing fastener embodying the present invention;

Figure 2 is an end elevation view of the fastener;

Figure 3 is a cross-sectional view of a section of roofing comprising sheets secured in position with the improved fastener; and

Figure 4 is a perspective view of a section of roofing with part of the roofing broken away.

Referring specifically to the drawing in which like numbers have been used to designate like parts, numeral 1 designates a roof deck of conventional construction composed of wooden planks laid side by side. The roofing deck is covered with surfacing sheets 2 which are typified in the present instance by what is commonly referred to in the art as prepared asphalt "roll roofing", although it will be understood that the fastening clip is also suitable for use with individual shingles, strip shingles, slabs and the like, as well as roll roofing which refers to long sheets.

The roofing fastener is formed from a blank of any suitable material such as sheet metal and in order to be cut from a blank sheet with minimum amount of waste, it is preferably cut in the somewhat semi-hexagonal shape illustrated, in Figure 1, by strip 3 which has formed adjacent the top edge flange portions 4 bent at right angles to the base portion 5 alternately disposed with complementary intervening recesses. These flange portions seat against the top edge of an underlying sheet 2, as illustrated in Figure 3, and serve to self position and automatically align the roofing fasteners, thereby causing the roofing elements to be self aligned when applied to the fasteners.

The bottom edge of the roofing fastener is provided with bent over portions 6 to provide between said bent over portion and the base portion pockets 8 into which the bottom edge of an overlapping sheet is adapted to be seated. The extreme bottom edge of the sheet rests against the portion 9 of the pocket that is formed of a size slightly in excess of the thickness of the roofing element. Along the body portion of the fastening strip any number of recesses 10 may be provided to receive nails 11 for securing the fastening clip in position after it has been aligned by means of the marginal flange on the upper edge. The overlapping roofing sheet is then placed in position and the bent over portion is hammered down to lie flush with the top surface of the roofing sheet. In order to engage positively the roofing sheets, the pocket forming member may preferably be provided with means 12 bent over from the portion 6 to provide means for impinging the roofing sheet as the pocket forming member is hammered into position shown in Figure 3 from the position shown in Figure 2.

It is customary to mop the overlapping edges of the roofing elements with a waterproofing composition in order to seal the seam or the sealing can be effected by a waterproofing strip applied between the overlapping edges. The sealing means may be applied to the surface before or after the securing clip has been placed in position but preferably before, but whether applied before or after, a portion thereof is adapted to be retained in slots 13 provided in the body portions of the securing clip. This causes thicker sealing portions of waterproofing material to be localized adjacent the nailing portions.

From the foregoing description it will be apparent that a novel and improved fastening clip is not only provided, but one which facilitates speedy application of the roofing elements in self-aligning position.

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While I have discussed one preferred embodiment to typify the invention, it will be understood that there may be various changes in details of construction without departing from the spirit of the invention.

I claim:

1. A fastening strip for securing overlapping roofing elements comprising an elongated body provided with alternately disposed projections and recesses along the upper and lower edges, offset flanges on the upper edge projections disposed at about a right angle to the body to form a seating means cooperating with the edge of an underlying roofing element for aligning and self-positioning the strip on the roof in relation to the underlying roofing element and means disposed on the lower edge projections for engaging the edge of an overlying roofing element.

2. A metal fastening strip comprising a body portion having a plurality of alternating projections and recesses disposed along its upper edge and a hook means formed on the projections to automatically align and self-position said strip in position in relation with a roofing element and a plurality of pockets spaced adjacent the lower edge to receive the bottom edge of a roofing element.

3. A metal fastening strip comprising a body portion having a plurality of alternating projections and recesses disposed along its upper edge and a hook means formed on the projections to automatically align said strip in position and a plurality of pockets spaced adjacent the lower edge to receive the bottom edge of a roofing element, said aligning means and pocket means being arranged in offset relation.

4. A metal fastening strip comprising a body portion having a means adajacent one edge to automatically align said strip in position, pockets adjacent the other edge to receive the bottom edge of a roofing element, and a recess provided in the bottom portion into which a sealing composition is adapted to be contained.

5. A roofing comprising roofing elements laid in overlapping courses, and a fastening strip interposed between two next adjacent courses provided with alternating projections and recesses disposed along its upper edge, hook means on the projections for automatically aligning and self-positioning said strip in relation with the underlying course and means on the lower edge of the strip for seating the bottom edge of the overlying course.

6. A roofing comprising roofing elements laid in overlapping courses, a fastening strip interposed between the courses, a plurality of projections spaced along the upper edge of the strip, and means on the projections for hooking over the top edge of an underlapping course for self-aligning and suspending said fastening strip on the underlapping course.

7. A roofing comprising roofing elements laid in overlapping courses, a fastening strip interposed between the courses, a plurality of projections disposed along the upper edge of the strip, and flanges formed on the projections for hooking over the top edge of an underlapping course for self-aligning and suspending said fastening strip on the underlapping course.

8. A metal fastening strip for securing flexible roofing comprising an elongated body having along opposing edges a plurality of alternately disposed projections and recesses, means provided on the projections of one edge for automatically aligning and hooking the strip in position, and means provided on the projections of the other edge to form pockets for seating the bottom edge of a roofing element.

9. A metal fastening strip for securing flexible roofing comprising an elongated body having along opposing edges a plurality of alternately disposed projections and recesses with the projections on one edge opposite the recesses on the opposite edge, means provided on the projections of one edge for automatically aligning and hooking the strip in position, and means provided on the projections of the other edge to form pockets for seating the bottom edge of a roofing element.

10. A metal fastening strip for securing flexible roofing comprising an elongated body having along opposing edges a plurality of alternately disposed projections and recesses, means provided on the projections of one edge for automatically aligning and hooking the strip in position, and means provided on the projections of the other edge to form pockets for seating the bottom edge of a roofing element and means on the pocket providing means for impinging the roofing element.

11. A metal fastening strip for securing flexible roofing comprising an elongated body having along opposing edges a plurality of alternately disposed projections and recesses with the projections on one edge opposite the recesses on the opposite edge, means provided on the projections of one edge for automatically aligning and hooking the strip in position, and means provided on the projections of the other edge to form pockets for seating the bottom edge of a roofing element and means on the pocket providing means for impinging the roofing element.

12. A metal fastening strip comprising an elongated body having along opposing edges a plurality of alternately disposed projections and recesses, slots provided in the projections on one edge, means on the slotted projections for aligning the strip, means provided on the projections of the other edge to form pockets for seating the bottom edge of a roofing element, and means on the pocket forming means for impinging the roofing element.

13. A metal fastening strip for securing flexible roofing comprising an elongated serpentine body having along opposed edges a plurality of alternately disposed projections and recesses, means provided on the elongated body portion permitting the strip to be nailed in position, and means provided on the projections on one edge to form pockets for seating the bottom edge of a roofing element.

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