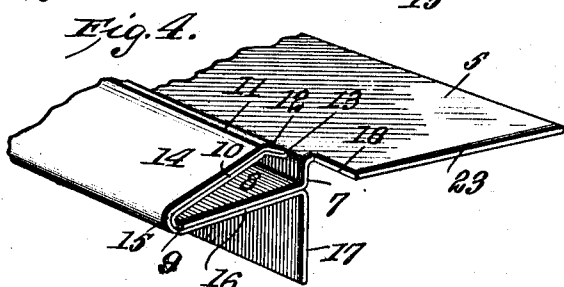
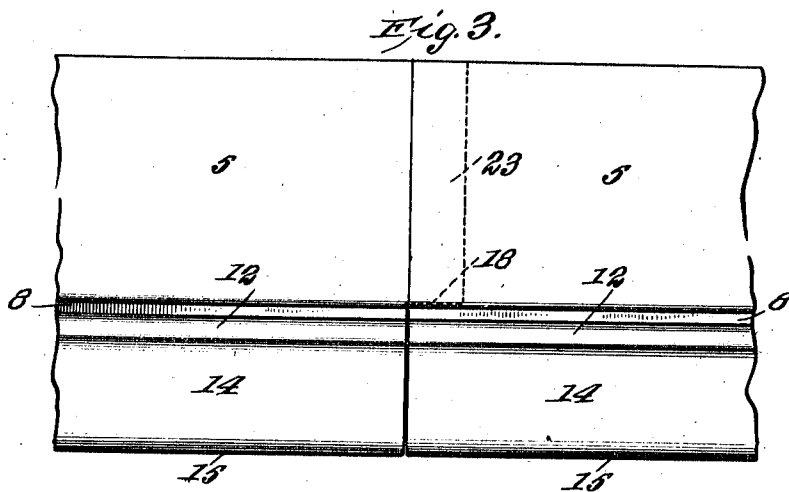
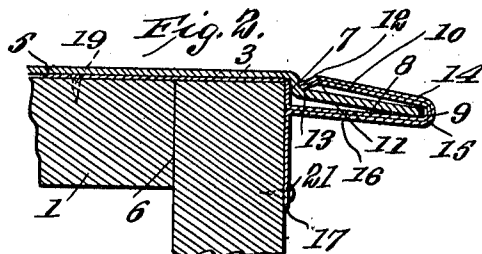
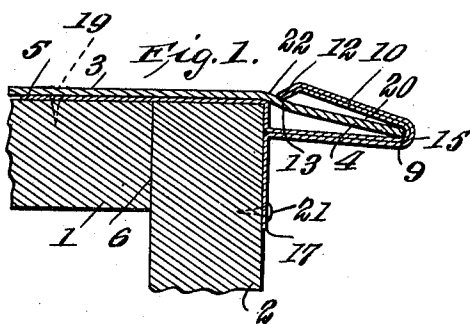


R. S. FORD.
FASTENER FOR ROOFING MATERIAL.
APPLICATION FILED NOV. 18, 1909.

980,089.

Patented Dec. 27, 1910.



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FASTENER FOR ROOFING MATERIAL.

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To all whom it may concern:

Be it known that I, RAYMOND S. FORD, citizen of the United States, residing at Cuba, in the county of Allegany and State of New York, have invented certain new and useful Improvements in Fasteners for Roofing Material, of which the following is a specification.

This invention relates to certain new and useful improvements in fastenings for roofing material and it has for its objects among others to provide a simple and efficient easily applied fastening device, by means of which the paper or other material is stretched so that the water will be positively conducted from the roof and to a point beyond the facing strip where it may be allowed to drip or to be received in an eaves trough, if the latter be employed.

It has for a further object to provide a simple metallic fastener, the adjacent ends of which are designed to overlap and the material-engaging portion being bendable and designed to be forced into contact with the projecting portion of the roofing material, so as to draw the same downward and thereby not only stretching such material but insuring a tight joint where the clamping portion engages such material.

Other objects and advantages of the invention will hereinafter appear and the novel features thereof will be particularly pointed out in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the numerals of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a vertical section through a portion of the roof and one of the fasteners, showing the roofing material before the same is clamped to position. Fig. 2 is a similar view showing the parts after the material has been clamped. Fig. 3 is a top plan showing portions of two of the fasteners as they appear when applied. Fig. 4 is a perspective detail showing a portion of one of the fasteners.

Like numerals of reference indicate like parts throughout the different views.

Referring to the drawings, 1 designates a portion of the roof and 2 the cornice or facing strip of usual construction.

3 designates a piece of roofing material

which may be of canvas, tarred paper or any of the compositions or material adapted for and designed for use as roof coverings. As applied, this roof covering 3 has a portion 4 projecting beyond the cornice or facing strip 2 for a purpose which will soon be made apparent.

My improved fastener comprises a member formed of a single piece of sheet metal having the body portion 5 which is designed to extend a sufficient distance up on the roof at the outer edge beneath the roofing material 3, covering the joint at 6 between the edge of the roof and the cornice or facing strip 2, and at the inner edge of this body portion the metal is turned at substantially a right angle to form the vertical short member 7 and from thence the material is extended forwardly forming the portion 8 which is bent to form the bend 9, and thence extended rearwardly forming the inclined portion 10, the material being bent at 11 to form the inclined flange or clamping portion 12, at the free edge of which the material is bent upon itself, as seen at 13, and thence back over the inclined portion 10, forming the parallel inclined portion 14, the front end of which is bent, as at 15, parallel to the bend 9, the material thence being extended rearwardly forming the under portion 16 parallel with the portion 8, the free edge of the material being bent downwardly to form the vertically extending flange or securing portion 17, all as seen clearly in Fig. 4. At one end, the body portion 5 is extended beyond the vertical members 7 and 17, as shown, so as to form the offset 18, for a purpose which will soon be made apparent.

In applying the fasteners, the body portion 5 of each is placed upon the roof beneath the roofing material where it is secured by suitable means, as nails or the like 19, as shown in Figs. 1 and 2. The fastener is placed so that the vertical member 7 bears firmly against the outer face of the cornice or facing strip 2. The projecting edge portion 4 of the roofing material 3 is received within the space 20 between the substantially horizontal portion 8 and the inclined member 10, as shown. The vertical member 17 is brought against the outer face of the cornice or facing strip 2 and secured by suitable means, as nails or the like 21, as seen in Figs.

1 and 2. After this has been done, the inclined free end or clamping portion 12 is bent downward from the position in which it is seen in Fig. 1 into that illustrated in Fig. 2, by any suitable means. When this is done, the material 3 is stretched, the portion thereof adjacent the corner 22 being forced downwardly, as seen in Fig. 2. This forms a perfectly water tight joint between the free edge 13 of the inclined clamping portion and the roofing material. As the fasteners are applied one after the other, end to end, the projecting portion 23 underlies the adjacent square end of the next fastener, the vertical and inclined members thereof beyond the body portion abutting, as seen clearly in Fig. 3, so that a tight joint is assured, the overlapping portion being sufficient to guard against the possibility of any water getting beneath the fasteners. The fasteners are made of a material possessing sufficient inherent resiliency to permit of the clamping portion being bent downward from the position seen in Fig. 1 to that seen in Fig. 2, so as to stretch and firmly clamp the roofing material and insure its remaining in its clamped position.

Modifications in details may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages.

What is claimed as new is:—

1. A fastener for roofing material comprising a body portion with depending flange and an intermediate roofing material clamping member terminating outside the body portion to clamp said material against a vertical part of said body portion.

2. A fastener for roofing material embodying a body portion to engage the roof, a downwardly extending securing flange, and an inclined portion extending outwardly from the body portion below its upper edge and provided with a clamping member.

3. A fastener for roofing material embodying a body portion, upper and lower vertical flanges to engage the cornice, and a member extending at an angle to and between said flanges and terminating in an intermediate resilient clamping member.

4. A fastener for roofing material embodying a body portion, upper and lower vertical flanges to engage the cornice, and an intermediate resilient clamping member having its free edge inclined downwardly and inwardly toward the body portion.

5. A fastener for roofing material embodying a body portion, upper and lower vertical flanges to engage the cornice, and an intermediate resilient clamping member, said body portion at one end being extended.

6. A fastener for roofing material embodying in a single integral element a body portion, upper and lower vertical flanges to engage the cornice, and an intermediate re-

silient clamping member, said body portion at one end being extended and adjacent ends of adjacent fasteners being constructed to overlap.

7. A fastener for roofing material formed of a single piece of sheet material and embodying a body portion, a downwardly depending flange at the outer end of the body portion, parallel substantially horizontal members extending from said flange with a depending securing member upon one side of said parallel members and a resilient clamping flange at the other side of said parallel members and terminating adjacent the said flange.

8. A fastener for roofing material formed of a single piece of sheet material and embodying a body portion, a downwardly depending flange at the outer end of the body portion, parallel substantially horizontal members extending from said flange with a depending securing member upon one side of said horizontal members and a resilient clamping flange at the other side of said horizontal members, said clamping flange being inclined downwardly and inwardly toward the body portion.

9. An edge-securing strip for sheet roofing which comprises a securing flange which is secured on the roof under the sheet roofing, a securing flange which is secured to the lower edge of the roof, and a clamping portion which projects outwardly from the roof and has cooperating parts between which the edge portion of the sheet roofing is gripped and held, said securing strip having a shoulder opposite said gripping edge of the clamping portion over which the sheet roofing is bent and between which and said gripping edge the sheet roofing is held, substantially as set forth.

10. An edge-securing strip for sheet roofing which comprises a securing flange which is secured on the roof under the sheet roofing which projects outwardly beyond the roof, a securing flange which is secured to the lower edge of the roof, and a clamping portion which projects outwardly from the roof beneath the edge portion of the sheet roofing and has an inwardly extending gripping edge which bears on and holds the projecting edge portion of the sheet roofing, substantially as set forth.

11. An edge-securing strip for sheet roofing which comprises a securing portion which is secured to the roof beneath the sheet roofing, and a clamping portion which is located outwardly beyond the roof and has cooperating parts between which the edge portion of the sheet roofing which projects outwardly beyond the roof is gripped and held, substantially as set forth.

12. An edge-securing strip for sheet roofing which comprises a securing flange which is secured on the roof under the sheet roof-

ing, a securing flange which is secured to the lower edge of the roof, and a clamping portion which projects outwardly from the roof and has cooperating parts between which the edge portion of the sheet roofing which projects outwardly beyond the roof is gripped and held, said clamping portion of the edge strip having greater thickness than

said securing flanges, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

RAYMOND S. FORD.

Witnesses:

F. O. PROUTY,

H. L. VAN AUKEN.