July 7, 1925. 1,544,866

G. F. SLATER

ROOFING FASTENER

Filed March 31. 1923 2 Sheets-Sheet 1

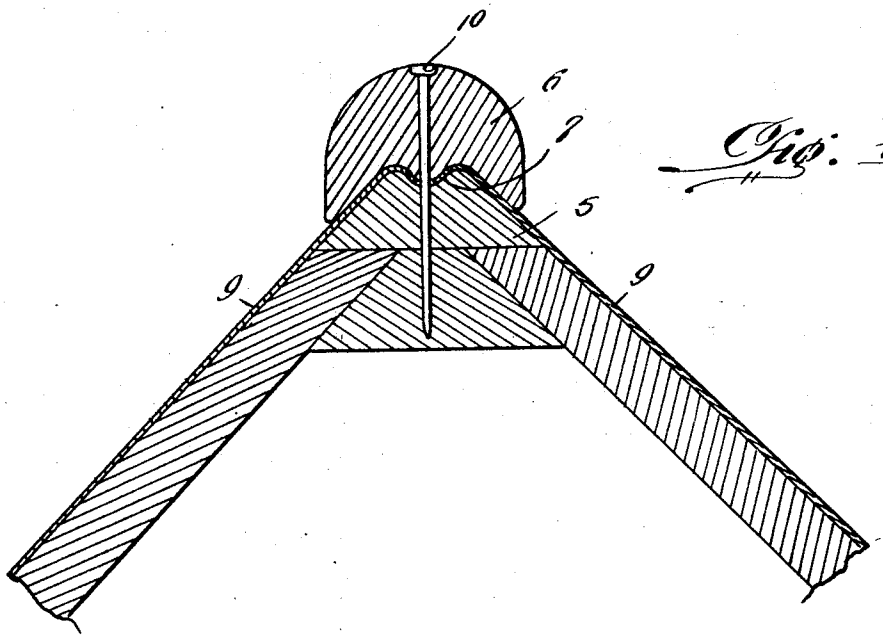
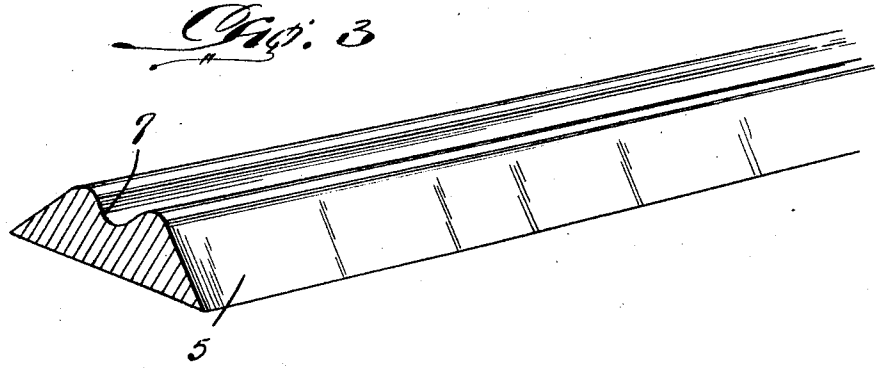


Fig. 1.

Fig. 3



Witnesses:
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H. Berman

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Fig. 2.

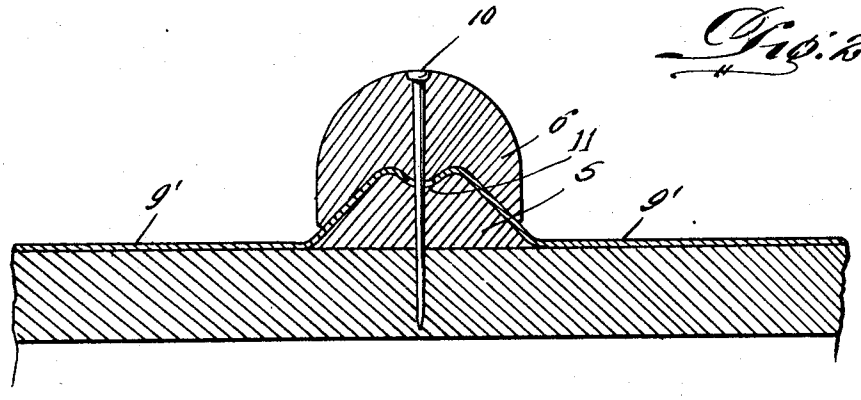


Fig. 4.

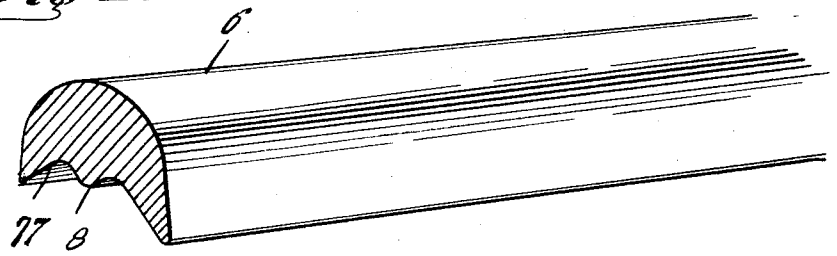
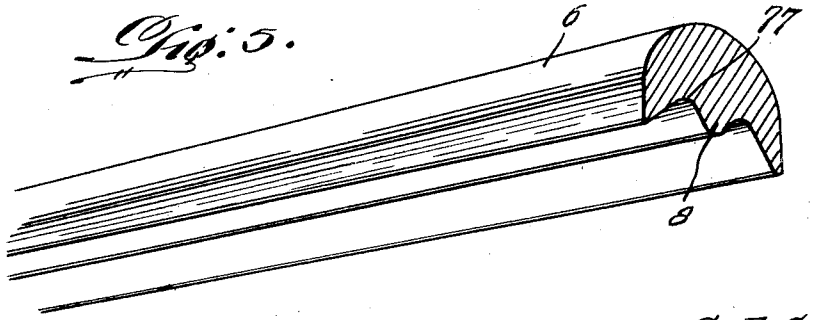


Fig. 5.



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UNITED STATES PATENT OFFICE.

GEORGE F. SLATER, OF TAMPA, FLORIDA.

ROOFING FASTENER.

Application filed March 31, 1923. Serial No. 628,965.

To all whom it may concern:

Be it known that GEORGE F. SLATER, a citizen of the United States, residing at Tampa, in the county of Hillsborough and State of Florida, has invented certain new and useful Improvements in Roofing Fasteners, of which the following is a specification.

My invention relates to an improved form of roofing fastener primarily adapted for fastening the edges of the usual tin or paper roofing together, the fastener being characterized by its simplicity of construction and expeditiousness of application.

Up to the present time the usual mode of fastening the edges of the roofing together has been to overlap the edges of the material and solder the same together, this method necessitating the use of a great amount of material and requiring the services of an expert in this line.

The invention has for its object the provision of a roofing fastener designed to firmly secure the edges of the roofing material, while leaving a gap between the said edges for the purpose of providing a channel for draining off the water that may penetrate between the parts of the fastener.

The nature and advantages of the invention will be better understood when the following detailed description is read in connection with the accompanying drawings, the invention residing in the construction, combination, and arrangement of parts as claimed.

In the drawings forming part of this application, like numerals of reference indicate similar parts in the several views, and wherein:

Figure 1 is a cross section through the apex of a gable roof wherein the roofing thereof is secured through the instrumentality of my improved fastener;

Figure 2 is a view similar to Figure 1 showing my improved fastener employed in conjunction with the channel roof construction;

Figure 3 is a perspective of one of the members comprising my improved fastener; and

Figures 4 and 5 are perspectives of the other element of the fastener.

Referring in detail to the drawings, my improved fastener comprises a bed and cap mold 5 and 6 respectively, each of the same including a desired length or strip of material, preferably wood, of a form presently to be described.

Referring particularly to Figure 3, the bed mold or strip 5 has its side walls inclined toward the top surface thereof thus forming outwardly and downwardly sloping saddles, this top surface being formed with a central longitudinally extending groove 7. It is to be clearly understood that the bottom of this bed mold is flat so as to have close face to face contact with the building roof.

As more clearly shown in Figures 4 and 5, the cap mold 6 is preferably rounded at its top surface, the same being formed upon its bottom surface with a relatively deep longitudinally extending groove 77, the side walls of the same being inclined outwardly as shown, this channel being formed with a central pendant rib or tongue 8.

In practice, in the employment of my improved fastener for securing the adjacent edges of the roof material 9 of Figure 1 to the apex of a gable roof, the bed mold 5 is positioned upon this apex after which the edges of said roofing are stretched over this bed mold and maintained thereon through the positioning of the cap mold 6 upon the bed mold. It will, of course, be understood that said inclined sides or saddles of the bed mold 5 are received within the said grooves 77, of the cap mold 6 while the rib 8 of this cap mold will effectively engage within the said grooves 7 of the bed mold 5 for consequently forcing the extreme edges of the roofing within the said grooves. In the employment of my improved fastener upon ordinary roofs, as per Figure 2, the bed mold 5 is positioned at a point between the adjacent edges of the strip of roofing material 9′, these edges of the roofing material being extended over the bed mold in a manner similar to that shown in Figs. 1 and 2, thus leaving a channel or conduit which serves to drain off the water which may penetrate between the cap 6 and bed mold 5. The cap and bed molds are secured together through the medium of any desirable means, such as a desirable number of relatively elongated nails 10, it being noted that the length of these nails are such as to engage within the usual wooden roofing of the building.

In view of the above description it will

at once be apparent that I have provided a highly improved form of roofing fastener, one that is comparatively simple of construction and of such a nature as to permit of a substantial reduction in the amount of roofing material used, the nature of this fastener being such as to present a flashing upon the grooves which will at the same time keep the space between the parts of the fastener free from rain or moisture that may enter thereinto.

Although I have 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.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

A device for fastening roofing-sheets comprising a bed strip with a longitudinal central drainage channel in its top, flanked by longitudinal saddles sloping outwardly toward the base of said strip, a complementary cap strip provided with a longitudinal tongue flanked by two grooves adapted to fit over said saddles and to clamp therebetween the upturned and bent-over edge portions of adjacent but spaced-apart roofing sheets when inserted between said bed and cap strips, and means for securing said strips to each other and to a roof.

In testimony whereof I affix my signature.

GEORGE F. SLATER.