No. 860,457. PATENTED JULY 16, 1907.

F. FRANK, Jr.

SNOW GUARD.

APPLICATION FILED APR. 8, 1907.

Fig. 1.

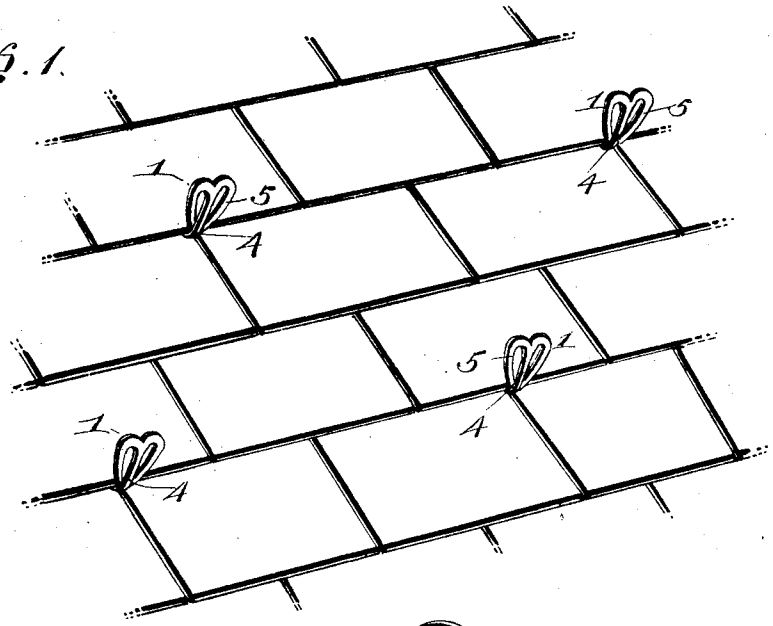


Fig. 2.

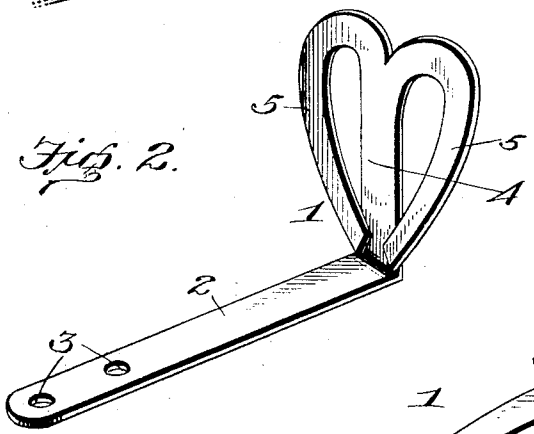


Fig. 4.

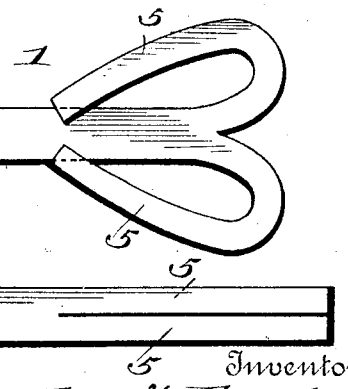


Fig. 3.



Witnesses

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SNOW-GUARD.

No. 860,457. Specification of Letters Patent. Patented July 16, 1907.

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To all whom it may concern:

Be it known that I, FREDERICK FRANK, Jr., a citizen of the United States, residing at Johnstown, in the county of Cambria and State of Pennsylvania, have invented certain new and useful Improvements in Snow-Guards; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in snow guards.

The object of the invention is to provide a simple and improved construction of snow guard adapted to be applied to slated or shingled roofs whereby the snow will be prevented from sliding off the roof.

With the foregoing and other objects in view which will readily appear as the nature of the invention is better understood, the invention consists in certain novel features of construction, combination and arrangement of parts as will be hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a roof showing the application of the invention thereto; Fig. 2 is a perspective view of the guard; Fig. 3 is a plan view of the metal blank from which the guard is formed; and Fig. 4 is a similar view showing the first step in the formation of the guard from the blank.

Referring more particularly to the drawings, 1 denotes the guard which consists of a shank or attaching portion 2 having formed therein near one end holes 3, to receive the fastening devices by means of which the guard is secured to a roof, the shank 2 being adapted to be inserted beneath the edge of a shingle or slate, as clearly shown in Fig. 1 of the drawings.

The shank 2 is bent upwardly at right angles as shown at 4 and said upwardly bent portion is provided on its upper end with outwardly and downwardly curved fingers 5 the lower ends of which are bent inwardly into engagement with the inner side of the angularly bent portion 4, as shown, said fingers and angularly bent portion forming a stop or abutment by means of which the snow is prevented from sliding down on the roof.

The guard is formed from a single bar of metal which is split for a suitable distance at one end as shown in Fig. 3 of the drawing, said split end being bent outwardly and then inwardly so that the ends of the same will be brought into engagement with the side of the bar or plate, as shown in Fig. 4. After the split ends have been thus bent into position, the bar is bent upwardly at right angles adjacent to the point of engagement of the split ends therewith, thereby completing the formation of the guard.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention, as defined by the appended claims.

Having thus described my invention, what I claim as new is:—

1. A snow guard comprising an attaching shank having a right-angularly bent guard or stop and outwardly and downwardly bent stop fingers arranged on the upper ends of said angularly bent stop portion, substantially as described.

2. A snow guard formed from a single strip or bar of metal, split at one end to form stop fingers, a right-angularly bent upwardly-projecting stop portion adapted to be engaged by the inwardly bent lower ends of said stop fingers, substantially as described.

3. A snow guard comprising an apertured fastening shank, a right-angularly bent stop portion arranged at one end of said shank, integrally formed outwardly curved stop fingers on the upper end of said stop portion, said stop fingers being bent inwardly at their lower ends to engage the inner side of said angularly bent stop portion, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

FREDERICK FRANK, JR.

Witnesses:
G. W. HILDEBRAND,
JNO. S. TITTLE.