(No Model.)

# H. FLYNT.

## MODE OF FASTENING METAL ROOFING TO BUILDINGS.

No. 307,109. Patented Oct. 28, 1884.

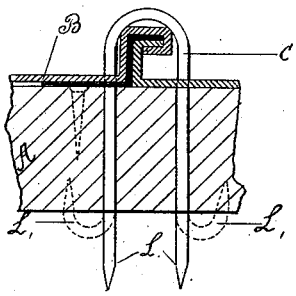


Fig 1.

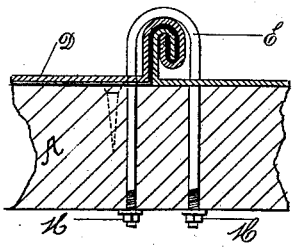


Fig 2.

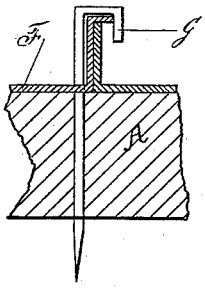


Fig 3.

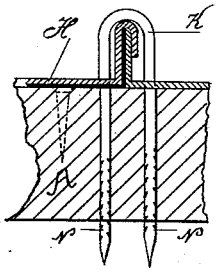


Fig 4.

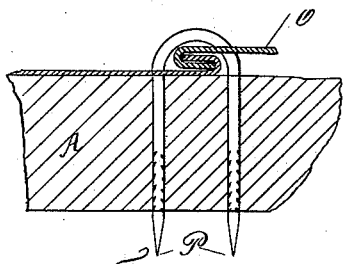


Fig 5.

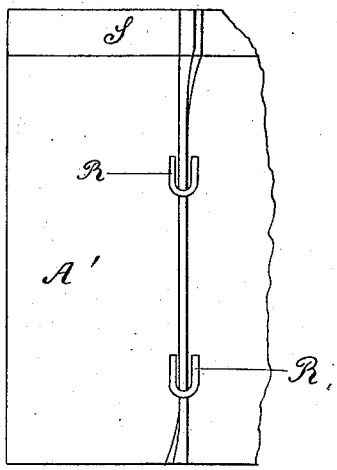


Fig 6.

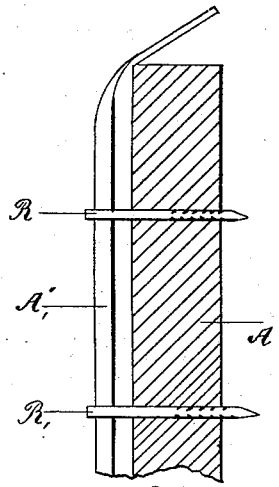


Fig 7.

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# UNITED STATES PATENT OFFICE.

HENRY FLYNT, OF KANSAS CITY, MISSOURI, ASSIGNOR TO DUDLEY H. FLYNT AND CHARLES E. WAGNER, BOTH OF SAME PLACE.

## MODE OF FASTENING METAL ROOFING TO BUILDINGS.

SPECIFICATION forming part of Letters Patent No. 307,109, dated October 28, 1884.

Application filed May 2, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY FLYNT, of Kansas City, Jackson county, Missouri, have invented an Improvement in the Art of Fastening Metal Roofs to Buildings, of which the following is a full, clear, and exact description.

The object of my invention is to provide a secure and safe fastening for fastening tin and iron roofs to buildings, to be used especially in sections of country that are subject to the ravages of high winds and tornadoes; and it consists in providing extra fastenings in the form of staples or hooks that are driven through the roofing at the joints thereof into the wood sheeting, and clinched or otherwise fastened upon the under side, this in addition to the usual fastening anchors and nails. Reference is to be had to the accompanying drawings, forming part of this specification, in which—

Figures 1, 2, 3, 4, and 5 are sectional views of roof-joints, in which is shown the manner of applying my improved fastening, and also the different forms thereof. Fig. 6 shows a portion of roofing that is jointed, and has one edge, S, turned downward to form the drip. R represents the fastenings, and A the sheets. Fig. 7 is a section of Fig. 6, in which A represents the wood sheeting, in which are driven the barbed fastenings R, which same hold the standing jointed roofing A′ securely in position.

In Fig. 1 the sheeting A has the sheets B attached thereto by means of the usual nailed anchor, and a common staple, C, the sharpened point L of which may be securely clinched, as shown by the dotted lines.

In Fig. 2 the sheets D are held in place by the usual anchor, and a stirrup, E, that is screw-threaded upon each end and provided with nuts and washers M.

Fig. 3 represents the sheets as fixed to the sheeting A by means of a driving-hook, G, and in Fig. 4 the standing joint of the sheets H is kept in position by means of the staple K, the extremities N of which are barbed or otherwise roughened for locking them within the sheeting A.

The fastenings may be applied to other forms of roofing, and, as in Fig. 5, the staple O, having the barbed ends P, is driven through the sheets into the sheeting directly over the joint.

Any desired number of the fastenings may be applied to a roof, according to the nature of the surroundings and the violence of the prevailing winds. After the fastenings are attached, as shown, the openings through the sheets are securely closed with solder, thereby keeping the roof perfectly water-tight.

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

In combination with the joints or seams of metal roofing, the herein-described safety-fastening, consisting of ∩-shaped stirrups or staples pointed or screw-threaded at the ends, and adapted to be driven or let through the sheets over the seams into the sheeting beneath and securely locked in such position, substantially as herein shown and described.

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

HENRY FLYNT.

Witnesses:

HENRY D. ASHLEY,

RAYMOND JENKINS.