W. S. HOLLAENDER, Jr.

ROOF FLASHING.

APPLICATION FILED JUNE 10, 1919.

1,317,446. Patented Sept. 30, 1919.

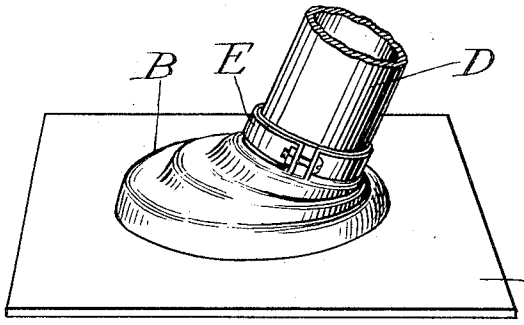


Fig. 1.

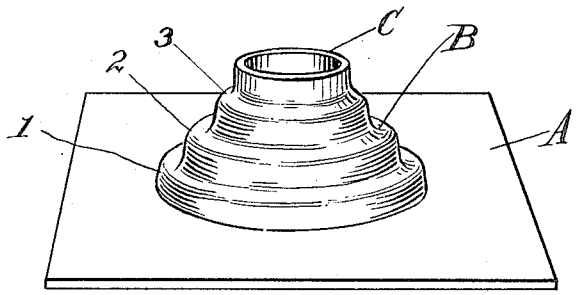


Fig. 2.

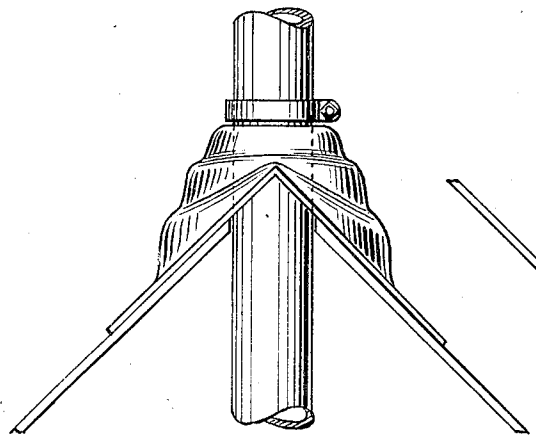


Fig. 3.

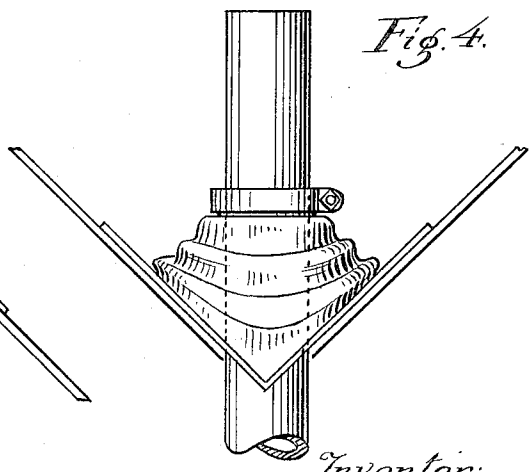


Fig. 4.

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UNITED STATES PATENT OFFICE.

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ROOF-FLASHING.

1,317,446. Specification of Letters Patent. Patented Sept. 30, 1919.

Application filed June 10, 1919. Serial No. 303,158.

To all whom it may concern:

Be it known that I, WALTER S. HOLLAENDER, Jr., a citizen of the United States of America, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Roof-Flashings, of which the following is a specification.

The object of my invention is a roof flashing, which will form a water-tight connection between a pipe and a roof, will change its form to accommodate a normal changing of position between the roof and the pipe, after the flashing has been installed, may readily be changed in shape to conform to various angles between a roof and a pipe, and will not form any grooves which will maintain water in them.

These objects are attained by the means described in the specification and illustrated in the accompanying drawings, in which:—

Figure 1, is a perspective view of a roof flashing embodying my invention in the form which it assumes when the angle between the pipe and the roof is an acute one.

Fig. 2, is a view similar to Fig. 1, but showing the form of the flashing when used upon a flat roof.

Fig. 3, is a side elevation of my flashing in the form it assumes when mounted upon the ridge of a roof.

Fig. 4, is a view similar to Fig. 3, but showing my flashing in use upon a valley.

The flashing embodying my invention is made from pliable metal preferably lead.

My flashing comprises a base A, and a conical portion B which terminates in a circular band C. The conical portion B of my flashing is made in the form of a series of concentric frusto-conical rings 1, 2 and 3, which are gradually diminished in diameter and are stepped one above the other. These rings are connected together at their edges so that between them are formed a series of incipient grooves, which form points of least resistance to a bending strain, and which yield when the pipe D is placed at different angles.

In use the flashing is placed on the pipe in the usual way, and is then secured thereto by clamping the flange C by means of a clamp collar E. When the roof is flat, the rings 1, 2 and 3, maintain a normal position, in which there are no grooves formed between the rings and hence no place is formed for the accumulation of water.

When the roof is slanting the flashing at the acute angle is collapsed, as illustrated in Fig. 1, and in this form the grooves which are made, readily drain since they are not closed at their lower edges. The same is true of the grooves formed by the collapsing of the rings when the flashing is placed in a valley, as shown in Fig. 4, or when the flashing is placed upon a ridge, as shown in Fig. 3.

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

A frusto-conical roof flashing of pliable metal and comprising a series of rings stepped one above the other, each ring being in the form of a frustum of a cone and the rings being located so that the axis of the cones coincide.

In testimony whereof, I have hereunto subscribed my name this 9th day of June, 1919.

WALTER S. HOLLAENDER, JR.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."