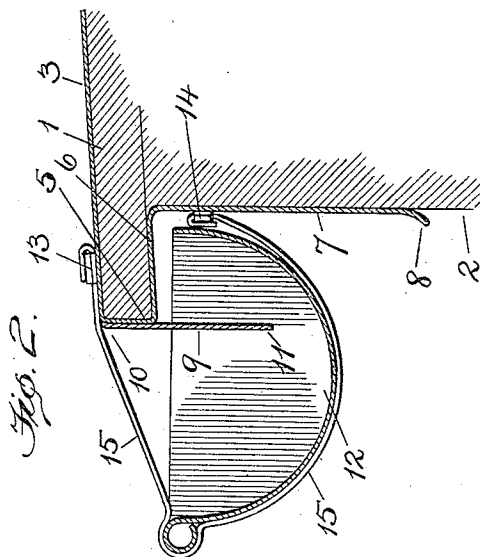
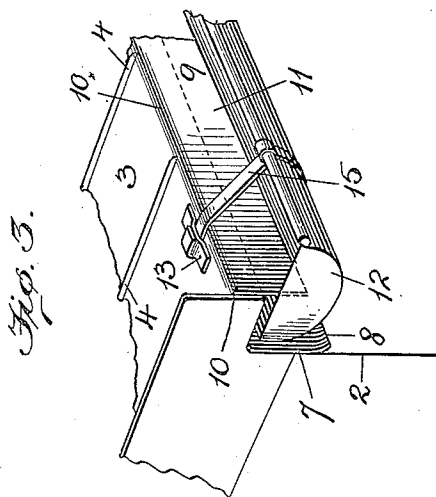
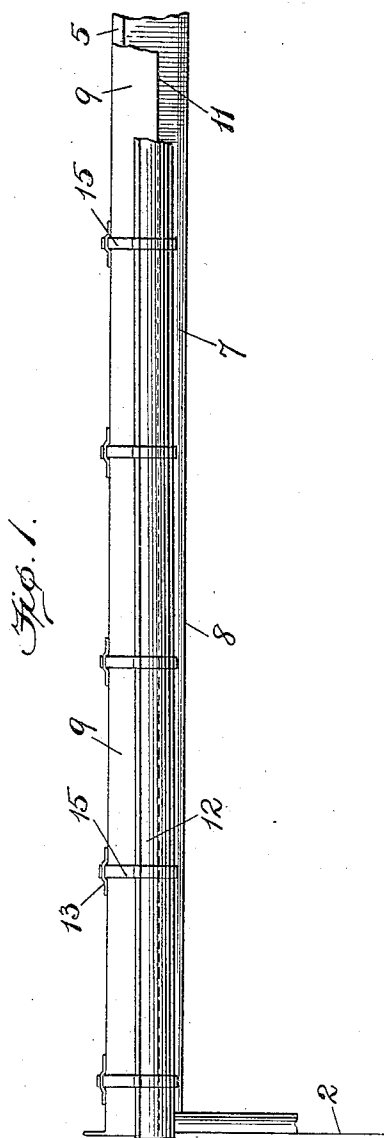


E. P. RUCKLE.
EAVES PROTECTOR.
APPLICATION FILED APR. 3, 1909.

936,040.

Patented Oct. 5, 1909.



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UNITED STATES PATENT OFFICE.

EDGAR P. RUCKLE, OF BALTIMORE, MARYLAND.

EAVES-PROTECTOR.

936,040.

Specification of Letters Patent.

Patented Oct. 5, 1909.

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To all whom it may concern:

Be it known that I, EDGAR P. RUCKLE, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Eaves-Protectors, of which the following is a specification.

This invention relates to improvements in eaves-bibs and hangers for eaves-troughs.

Sheet-metal eaves protector devices have heretofore been made with a doubled-back or double-thick pendent bib. These folded or double-thick bibs soon break or rust at the folded edge and thereafter the device fails to serve the purpose for which it was designed. Also in these eaves protectors the hangers for the eaves troughs have passed through openings formed in the protector itself, and such openings are objectionable because they allow the water from rain and snow to enter. In my device the pendent bib is single thick and the hangers are attached without forming openings in the eaves protector.

An object of this invention is to provide a construction whereby the ordinary tin-roofing which has standing joints may be used down to the edge of the eaves, and thence with flat joints continue over and then under the eaves and downward in front of the wall, whereby also the pendent bib is made of single-thick sheet-metal. This construction obviates the leakage resulting from breaking and rusting of the folded or double-thick bib, also obviates leakage by reason of the hangers passing through openings in the protector.

The invention is illustrated in the accompanying drawing in which,—

Figure 1 is a front elevation of the eaves of a roof showing the eaves-bib, eaves-trough and hangers. Fig. 2 is a vertical section of the same. Fig. 3 is a perspective view of the same.

The wood sheathing which ordinarily covers the roof of a house is designated, 1, and the wall is designated, 2. The ordinary tin-roof, 3, covers the sheathing; this tin-roof has the familiar standing joints, 4, which unite the sections. The same sections of tin-roof that cover the roof sheathing, 1, continue down at, 5, and cover the vertical edge of the eaves, then continue horizontally under the projecting eaves, as at, 6, and then continue like an apron, 7, down the vertical wall, 2. The lower edge, 8, of the down part

is bent outward slightly from the wall, to form an independent projecting drip-edge, 8, which is not in contact with the wall. The tin parts from the roof, 3, to the projecting drip-edge, 8, constitute the eaves protector.

A sheet-metal bib, 9, is attached to the vertical face, 5, of the metal that covers the edge of the eaves. This bib is a single thickness of sheet-metal; its upper edge at, 10, is neatly attached by means of solder to the vertical face, 5, that covers the edge of the eaves, and therefrom the bib is pendent and its lower edge, 11, has position within the eaves-trough, 12, whereby the rain is diverted from following down the surface of the eaves-protector.

The eaves-trough itself is of ordinary construction, and is sustained by hangers which are attached to the sheet metal of the eaves protector without passing through openings in the protector. As already indicated it is a desideratum to maintain all parts of the sheet-metal of the eaves-protector impermeable in order to avoid leaks. To this end I have provided loops, 13, on the tin roof, 3, and also loops, 14, on the vertical apron, 7. These loops are attached by means of solder only, no rivets being used. Each hanger strap, 15, that serves to support the eaves-trough has one end engaged or hooked into the lower loop, 14, and the other end hooked into the upper loop, 13. This construction of hanger straps and means on the sheet-metal eaves protector for attaching them, sustains the trough without any liability of producing a leak.

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

1. An eaves-protector consisting of the sheet-metal of the roof continuing down and forming a vertical face covering the edge of the eaves and thence horizontally under the eaves and then like an apron down the wall, and having its lower edge bent outward from the wall and forming a projecting drip-edge, in combination with an eaves-trough, and a bib consisting of one thickness of sheet-metal attached to the said vertical face of the eaves-protector and projecting down into the eaves-trough.

2. An eaves-protector consisting of the sheet-metal of the roof continuing down and forming a vertical face covering the edge of the eaves and thence horizontally under the eaves and then like an apron down the wall;

upper metal loops, 13, on the roof part of the sheet-metal protector and lower loops, 14, on the vertical apron; an eaves-trough below the edge of the eaves and hanger straps each
5 having one end engaged with the lower loop and the other end engaged with the upper loop.

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

EDGAR P. RUCKLE.

Witnesses:

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