

May 16, 1961

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2,984,049

SNAP-IN FLASHING

Filed Nov. 25, 1957

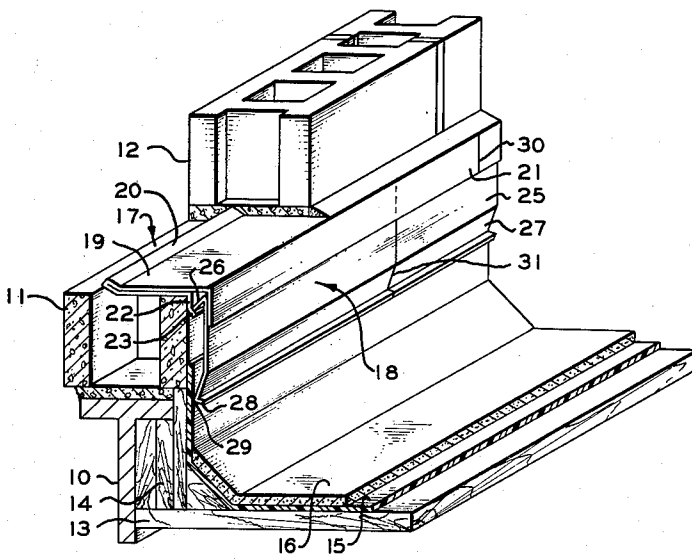


FIG. 1

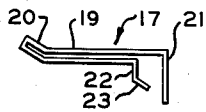


FIG. 2

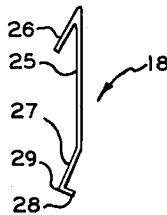


FIG. 3

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2,984,049

**SNAP-IN FLASHING**

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Filed Nov. 25, 1957, Ser. No. 698,604

4 Claims. (Cl. 50-45)

This invention relates to snap-in flashing adapted for use on a parapet wall or two-level roof.

While many types of flashing have heretofore been devised, many of them are unsatisfactory for use where a flashing is desired which can be quickly inserted into position or detached, and which combines pleasing architectural design with economy of manufacture and installation.

According to this invention, such a flashing is supplied by providing an anchor section having a flat metal body portion arranged to fit between adjacent courses of a wall with two flanges depending therefrom, this anchor section cooperating with a skirt of flexible metal, the upper edge of which fits between the flanges and has a bent-over edge engaging an outwardly protruding edge on the inner flange of the anchor member. Such a flashing is of pleasing architectural appearance, and the lower edge of the skirt is forced into engagement with the adjacent wall surface by the flexibility of the metal. Also, the skirt is readily detachable without special tools, but the construction is such that it will not unintentionally become disengaged from the anchor section.

The portion of the anchor member can advantageously be formed from a double thickness of metal, thus providing for economy in manufacture of the entire anchor section from a single metal piece. The inner edge of the double thickness of metal can be readily turned up to simplify locking the anchor section into position and provide improved water sealing.

Accordingly, it is an object of the invention to provide an improved flashing which can be readily snapped into position or removed.

It is a further object to provide a flashing of attractive appearance which has a low cost of manufacture and installation.

Various other objects, advantages and features of the invention will become apparent from the following detailed description taken in conjunction with the accompanying drawings in which:

Figure 1 is a perspective view of the flashing installed on a two-level roof;

Figure 2 is a vertical sectional view of the anchor section; and

Figure 3 is a vertical sectional view of the flashing skirt.

Referring now to the drawings in detail, a spandrel beam 10 supports a plurality of courses 11 and 12 of a wall which, in the example shown, is formed from concrete blocks. This may be a parapet wall, or a vertical wall joining two horizontal sections of a split-level roof.

A horizontal roof section 13 extends to the spandrel beam 10, and boards 14 to fill up the space between the vertical edge of the roof and the spandrel beam. The joint between the vertical wall and horizontal roof is covered by a sheet 15 of fabric, tar paper, or like construction material which, in turn, is covered by a layer 16 of roofing material, such as tar containing gravel, asphalt or the like.

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The novel flashing of the invention comprises an anchor section 17, and a skirt section 18. The anchor section 17 has a flat metal body portion 19 which is defined by a double thickness of metal, and has an up-turned inner edge 20. This body portion is embedded in the mortar between the courses 11, 12 of the wall and is thereby firmly anchored in position. The up-turned flange 20 contributes to the anchoring of the section 17, and aids in preventing ingress of water to the interior of the building.

The upper thickness of metal of the body portion 19 terminates in an outer depending flange 21 while the lower thickness of metal terminates in an inner depending flange 22 somewhat shorter than the flange 21. The lower edge 23 of the flange 22 is bent outwardly toward the outer flange 21.

The skirt section 18, which is formed from flexible springy metal, is detachably received between the flanges 21 and 22. To this end, the skirt section 18 has a flat body portion 25, the upper part of which engages the inner surface of the outer flange member 21. The upper edge 26 of the body portion is bent over to engage the bent edge 23 of the inner flange 22. The lower edge or web section 27 of the body portion 25 is bent inwardly and has a struck-out lip 28 defining a surface 29 which is urged into engagement with the fabric layer 15 by the flexibility or springiness of the metal.

The anchor section 19 is installed when the wall is being built and securely anchored therein in the manner already described. After completion of the roof, the skirt 18 can be simply snapped into position between the flanges 21, 22, and the springiness of the metal forces the edge 29 into engagement with the fabric layer 15, thus providing a water-sealed construction. The skirt 18 can be detached simply by pulling downwardly upon the lower surface thereof. Where the edges 23, 26 intersect at an acute angle and the edge 23 is stiffer than the edge 26, removal of the skirt is facilitated.

The flashing can be constructed in relatively short pieces of standard length, using lap joints 30 between adjacent anchor sections and staggered lap joints 31 between adjacent skirt sections. This assures weather tightness and complete freedom for thermal expansion and contraction.

It will be evident that I have achieved the objects of the invention in providing flashing which terminates a built-up roof at a wall juncture with an architecturally attractive weather proof design. Due to the shape of the parts, and the flexibility of the metal, frictional engagement holds the skirt firmly in position yet permits it to be readily removed for roof inspection, repair work, or new roof installation. Finally, all parts of the assembly can be readily fabricated on simple equipment available in all sheet metal shops, or it can equally well be made on mass production equipment at very low cost.

While the invention has been described in connection with a present, preferred embodiment thereof, it is to be understood that this description is illustrative only and is not intended to limit the invention.

I claim:

1. A flashing comprising, in combination, an anchor section having a flat metal body portion arranged to fit between courses of a wall, an elongated flat outer flange member depending from said body portion, and an elongated flat inner flange member depending from said body portion, said inner member having its lower portion bent toward said outer flange member, said lower portion extending downwardly from said flat body portion and also outwardly toward said depending outer flange member, and a one-piece skirt section having a flat body portion of flexible metal, the upper part of said body portion of said skirt engaging the inner surface of said outer flange

3 member, the upper edge of said body portion of said skirt being bent over to engage the said bent lower portion of said inner flange member, and the lower edge of said body portion of said skirt being urged into engagement with said wall by virtue of the flexibility of said metal.

2. A flashing comprising, in combination, an anchor section having a flat metal body portion formed from two thicknesses of metal and arranged to fit between courses of a wall, the upper thickness of metal being shaped to form an elongated outer depending flange member, and the lower thickness of metal being shaped to form an elongated flat inner depending flange member, the lower portion of said inner member being bent toward said outer member, said lower portion extending downwardly from said flat body portion and also outwardly toward said depending outer flange member, and a one-piece skirt section having a flat body portion of flexible metal, the upper part of said body portion of said skirt engaging the inner surface of said outer flange member, the upper edge of said body portion of said skirt being bent over to engage the said bent lower portion of said inner flange member, and the lower edge of said body portion of said skirt being urged into engagement with said wall by virtue of the flexibility of said metal.

3. A flashing comprising, in combination, an anchor section having a flat metal body portion formed from two thicknesses of metal and arranged to fit between courses of a wall, the upper thickness of metal being shaped to form an elongated outer depending flange member and the lower thickness of metal being shaper to form an elongated flat inner depending flange member, the lower portion of said inner member being bent toward said outer member, said lower portion extending downwardly from said flat body portion and also outwardly toward said depending outer flange member, and a one-piece skirt section having a flat body portion of flexible metal, the upper part of said body portion of said skirt

4 engaging the inner surface of said outer flange member, the upper edge of said body portion of said skirt being bent over to engage the said bent lower portion of said inner flange member, and the lower edge of said body portion of said skirt being bent inwardly and having a struck-out lip, thereby forming a surface which is urged into engagement with the wall by virtue of the flexibility of said metal.

4. In a building having a horizontal roof with a vertical wall upstanding therefrom, flashing comprising a plurality of anchor sections and a plurality of one-piece skirt sections, each anchor section having a flat metal body portion arranged to fit between courses of said wall, an elongated flat outer flange member depending from said body portion, and an elongated flat inner flange member depending from said body portion, the lower portion of said inner member being bent toward said outer member, said lower portion extending downwardly from said flat body portion and also outwardly toward said depending outer flange member, each skirt section having a flat body portion of flexible metal, the upper part of said body portion of said skirt engaging the inner surface of a recited outer flange member, the upper edge of said body portion of said skirt being bent over to engage the said bent lower portion of a recited inner flange member, and the lower edge of said body portion of said skirt being urged into engagement with said wall by virtue of the flexibility of said metal, there being lap joints between adjacent anchor sections and lap joints between adjacent skirt sections which are staggered with respect to the lap joints of the anchor members.

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UNITED STATES PATENT OFFICE  
Certificate of Correction

Patent No. 2,984,049

May 16, 1961

Cyril A. Reddy

It is hereby certified that error appears in the above numbered patent requiring correction and that the said Letters Patent should read as corrected below.

Column 2, line 61, beginning with "1. A flashing comprising," strike out all to and including "of the anchor members." in line 31, column 4, and insert the following:

1. A flashing comprising an anchor section having a first flat metal body portion arranged to fit between courses of a wall so as to be horizontally disposed, an elongated flat outer flange depending downwardly at an angle of about 90° from said first body portion, and an elongated flat inner flange spaced inwardly from said outer flange and depending downwardly at an angle of about 90° from said first body portion, the lower section of said inner flange being bent so as to extend downwardly and outwardly therefrom and toward said outer flange, the lower edge of said lower section of said inner flange being spaced from said outer flange a first distance; and a one-piece skirt section having a second flat body portion of flexible metal, the upper part of said second body portion engaging the side of said outer flange which is toward said inner flange and having a third flange bent downwardly and inwardly toward said inner flange, the edge of said third flange engaging said inner flange at the junction of said inner flange and the downwardly extending lower section thereof, the lower edge of said second body portion being adapted to be urged into engagement with said wall by virtue of the flexibility of said metal.

2. The flashing of claim 1 wherein said first body portion is formed of two overlapping sheets of metal, said outer flange depending from the upper sheet, and said inner flange depending from the lower sheet.

3. The flashing of claim 1 wherein the lower edge of said second body portion is bent inwardly toward said inner flange and has a struck-out lip.

4. In a building having a horizontal roof with a vertical wall upstanding therefrom; a flashing comprising a plurality of anchor sections, each anchor section having a first flat metal body portion fitted between courses of said wall so as to be horizontally disposed, an elongated flat outer flange depending downwardly at an angle of about 90° from said first body portion, and an elongated flat inner flange spaced inwardly from said outer flange and depending downwardly at an angle of about 90° from said first body portion, the lower section of said inner flange being bent so as to extend downwardly and outwardly therefrom and toward said outer flange, the lower edge of said lower section of said inner flange being spaced from said outer flange a first distance; and a plurality of one-piece skirt sections, each skirt section having a second flat body portion of flexible metal, the upper part of said second body portion engaging the side of said outer flange which is toward said inner flange and having a web section of said outer flange bent downwardly and inwardly toward said inner flange, the edge of said web section engaging said inner flange at the junction of said inner flange and the downwardly extending lower section thereof, the lower edge of said second body portion being urged into engagement with said wall by virtue of the flexibility of said metal, there being lap joints between adjacent anchor sections and lap joints between adjacent skirt sections which are staggered with respect to the lap joints between the anchor sections.

Signed and sealed this 24th day of October 1961.

[SEAL]

Attest:

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