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GUTTER HANGER

Filed April 11, 1963

Fig. 1.

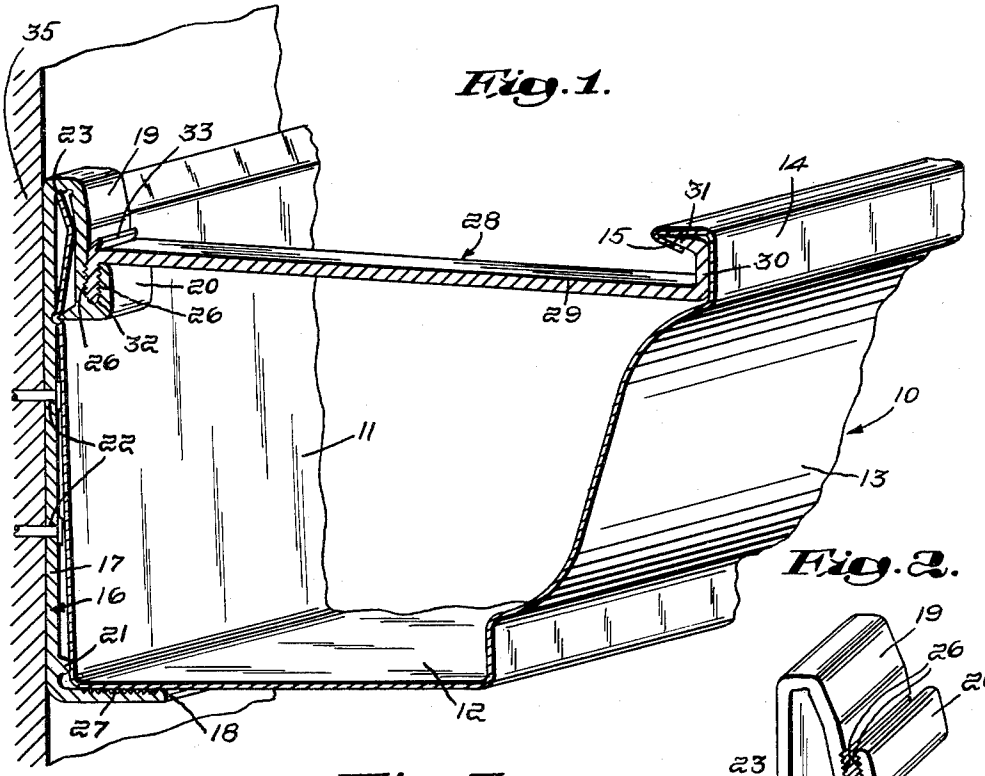


Fig. 2.

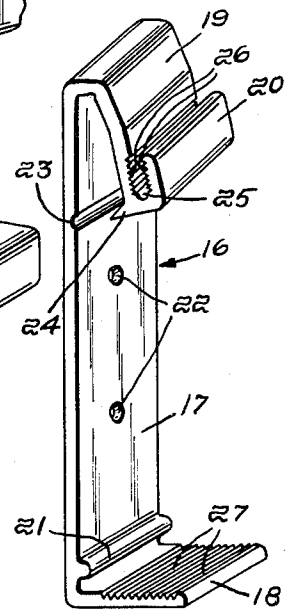
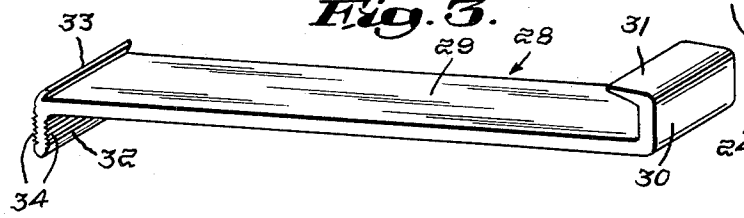


Fig. 3.



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GUTTER HANGER

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This invention relates to hangers for mounting gutters on buildings, and more particularly to hangers for mounting metal gutters.

The vaious types of hangers presently used consist in general of a strap which is attached to the wall of the building and passes around the bottom and outside wall of the gutter. These hangers are sometimes difficult to mount and detract from the appearance of the gutter assembly, especially when dirt accumulates between the strap and the gutter.

The principal object of this invention is to provide a hanger which can be easily mounted on a building and assembled with a gutter, and which adequately supports the outer wall of the gutter while leaving smooth, unbroken surfaces on the bottom and outside surfaces which are the normally visible surfaces of the gutter. Another object is to provinde a hanger which is simple and inexpensive to manufacture. Other objects, advantages and novel features of the invention will be apparent from the following description.

The hanger consists in general of a strap which is nailed or screwed to the wall of the building and has upper and lower flanges which grip the gutter at the rear, and a clip which passes over the top of the gutter and interlocks with the strap and the front edge of the gutter.

In the drawings illustrating the invention:

FIG. 1 is a fragmentary perspective view partly in cross-section of a gutter assembled with a hanger constructed according to the invention;

FIG. 2 is a perspective view of the strap portion of the hanger; and

FIG. 3 is a perspective view of the clip portion of the hanger.

The gutter, generally indicated by the numeral **10**, is a typical metal gutter having a vertical rear wall **11**, a flat bottom wall **12**, and a front wall **13** formed in an ornamental curve. On the upper edge of wall **13** is an angular rim **14** terminating in a turned-in lip **15**. The gutter may be extruded or formed from sheet metal in any customary manner.

The strap, generally indicated by the numeral **16**, has a flat rear wall **17**, a forwardly projecting flange **18** at the bottom, a down-turned flange **19** at the top, and an up-turned lip **20** extending from the lower edge of flange **19**. Wall **17** carries a rib **21** near the bottom and is provided with nail holes **22**. This wall also has a transverse groove **23**, and flange **19** carries a sharp pointed rib **24** facing the groove. As initially formed, flange **19** slopes obliquely outward, as shown in FIG. 2. Flange **19** and lip **20** define a groove **25** having serrations **26** along its walls. Flange **18** has transverse serrations **27** on its upper side.

The clip, generally indicated by the numeral **28**, has a flat central portion **29**, an upstanding flange **30** and a rearwardly extending pointed lip **31** at the front end, and a down-turned flange **32** at the rear end. The clip also has an upstanding rib **33** at the rear. Flange **32** has serrations **34** along both sides. The strap and clip

can both be made most conveniently by cutting off pieces of the desired width from long aluminum extrusions of appropriate sectional shapes.

In mounting the gutter, the strap **16** is first nailed or screwed to the wall **35** of the building. It is understood that two or more hangers are used at spaced intervals to mount a length of gutter, and all the straps for a section of gutters are secured to the building before the gutter is put in place. The upper edge of wall **11** of the gutter is inserted between rear wall **17** of the strap, and flange **19**, and gutter is pushed back so that the rear portion of its bottom wall **12** rests on flange **18**. Flange **19** is then bent parallel to wall **17** so that the intervening portion of the rear wall of the gutter is crumped by rib **24** into groove **23**. The gutter is thus securely locked in place.

The lip **31** of the clip is hooked under lip **15** of the gutter, and flange **32** is pressed down into groove **25** of the strap. This is conveniently done by pressing with a screw driver at the junction of central portion **29** and rib **33**. The rib prevents the tool from slipping back. When the clip is in place, flange **30** and lip **31** fit inside rim **14** of the gutter, and the clip acts as both a brace and a tie for the front portion of the gutter.

When the gutter is assembled onto the hanger, the only portion of the hanger which is visible from below is the relatively short flange **18**, which can be seen only by a person standing close to the wall. At the positions from which a building is normally viewed, the gutter presents a smooth, unbroken line. The visible surfaces of the gutter can be easily cleaned and painted and there are no crevices in which dirt can accumulate as it does on ordinary strap type of hanger which passes entirely around the gutter. Another advantage of the new type of hanger is that it can be used with gutters having a wide variety of front wall shapes. The architect thus has a wide latitude in designing the gutter to harmonize with the style of the building, without the expense of having hangers custom-made to fit the gutters.

What is claimed is:

1. A gutter hanger, for a roof gutter of the type having a rear wall, a bottom wall and a front wall with an inturned upper lip, comprising a separable strap and clip, said strap having upper and lower flanges adapted to overlie and underlie respectively said rear wall, said clip having a hook portion adapted to interlock with said lip, an upturned lip on the upper flange of said strip, and a downturned flange on said clip engaged with the lip on said strap, said lip and the flange of said clip forming an interlocking connection between said strap and said clip.

2. A gutter hanger, for a roof gutter of the type having a rear wall, a bottom wall and a front wall with an inturned upper lip, comprising a separable strap and clip, said strap having a body portion and an upper flange connected to said body portion and extending downward and adapted to secure said rear wall against said body portion, said strap also having a lower flange adapted to underlie said rear wall, said upper flange carrying a lip extending upward substantially parallel thereto and spaced therefrom, and said clip having a downwardly extending flange disposed between said upper flange and the lip carried thereby and a hook portion adapted to interlock with the lip of said gutter.

3. A gutter hanger as described in claim 2, said upper flange and its lip having opposed serrated faces, and the flange on said clip having serrated side faces.

4. A gutter hanger as described in claim 2, said body

portion having a groove and said upper flange having a rib facing said groove and adapted to indent the intervening portion of said rear wall when the gutter is assembled with the hanger.

5. A gutter hanger as described in claim 2, said clip having an upstanding rib in the region of its downwardly extending flange.

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