1302052

PATENT SPECIFICATION (11) 1302052

DRAWINGS ATTACHED

(21) Application No. 35383/70 (22) Filed 21 July 1970 ✓

(44) Complete Specification published 4 Jan. 1973

(51) International Classification E04D 13/06

(52) Index at acceptance E1B 12A3

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(19)



(54) IMPROVEMENTS IN AND RELATING TO GUTTERING ✓

(71) We, HANDFORD INDUSTRIES PTY. LTD., a Company incorporated under the Laws of the State of Queensland, of Pritchard Road, Virginia, Brisbane, in the State of Queensland, Commonwealth of Australia, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to improvements in and relating to guttering, and it has more particular reference to fascia guttering of the type illustrated in our Australian Design Registration No. 51,526.

In recent times, fascia guttering has achieved popularity because it may be secured in place without a fascia board, giving an improved architectural appearance, particularly since the fixings are concealed. However, it is customary to have the outer upright flange of the gutter higher than the inner flange which is close to the building structure, and this can cause problems in the event of a flow obstruction or other conditions in which the gutter carries a volume of water higher than the height of the inner flange.

Our present invention has been devised to overcome this disadvantage associated with fascia guttering, and it has as its principal object to provide an improved form of guttering to allow spillage from the outer flange if the height of water rises close to the height of the inner flange. Another object of the invention is to provide guttering of the type described which will permit such spillage without employing highly noticeable spillage means for that purpose. Other objects and advantages of the invention will be hereinafter apparent.

With the foregoing and other objects in view, our invention resides broadly in a gutter of open-top channel formation having an inner upwardly-extending flange joined to an outer upwardly-extending flange by a floor, characterized in that the outer flange has a series of spaced outlet ports intermediate its upper and lower edges and beneath the level of the upper edge of the inner flange, each said port being constituted by an aperture formed by pressing a tongue from a cut in said outer flange. Each cut has a horizontal portion with upward end extensions so that the tongue can be expressed inwardly of the gutter or the end extensions can be dispensed with if the metal of the tongue is suitably stretched in the expressing operation. Other features of the invention will become apparent from the following description.

In order that the invention may be more readily understood and put into practical effect, reference will now be made to the accompanying drawings, wherein:—

Fig. 1 is a perspective view of portion of a gutter in accordance with one embodiment of the invention;

Fig. 2 is a cross-section taken through one of the drainage slots of the gutter of Fig. 1, and

Fig. 3 is a fragmentary cross-section corresponding to line 3—3 of Fig. 2, but of a modified embodiment.

Referring initially to Figs. 1 and 2 of the drawings, there is provided a gutter 10 of indefinite or desired length and of substantially constant cross-section throughout its length except for the provision of spaced drainage ports, indicated generally at 11. Basically, the constant cross-section of gutter 10 is substantially identical with the cross-section of the gutter illustrated in our Australian Design Registration No. 51,526, but it is to be understood that the invention may be applied to any form of guttering, especially fascia guttering. The illustrated gutter 10 has a plain flat horizontal floor 12, about four and one-half inches wide in this instance, together with an inner upright flange 13 and an outer upright flange 14. While the gutter has the cross-section as indicated, the various terminal and other flanges are not in any way critical, and the same applies to the form, style and angles of the radii at the junctions of the various flanges.

In this instance, the outer flange 14 of the gutter 10 has about midway up its height

Patent Agent - Davidson.