United States Patent [19]

Tyson

[11] **3,768,217**

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[54] **BUILDING CORNICE WITH ONE PIECE SOFFIT AND GUTTER**

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[52] **U.S. Cl.** **52/74,** 52/95, 52/543

[51] **Int. Cl.** **E04c 1/39,** E04b 7/18

[58] **Field of Search** 52/95, 94, 74, 311, 52/16, 543, 544, 550, 551, 73

[56] **References Cited**

UNITED STATES PATENTS

3,507,079	4/1970	George	52/74
250,580	12/1881	Rogers	52/25
2,990,590	7/1961	Gravely	52/94 X
3,178,777	4/1965	Nadel et al.	52/94 X
3,282,009	11/1966	Chalmers	52/543 X

Primary Examiner—Price C. Faw, Jr.

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[57] **ABSTRACT**

A cornice assembly mountable atop a mobile building with the assembly having a one piece soffit and gutter. The assembly has a plurality of triangular shaped forms spaced around and mounted to the building. Each form has a upwardly sloping bar with panels mounted externally thereto. Each form has a horizontally extending bar with the one piece soffit and gutter depending therefrom. Each form has a vertical bar mounted to the building. A plurality of tubes and cross struts interconnect the vertical bars of the forms and brace the assembly.

8 Claims, 4 Drawing Figures

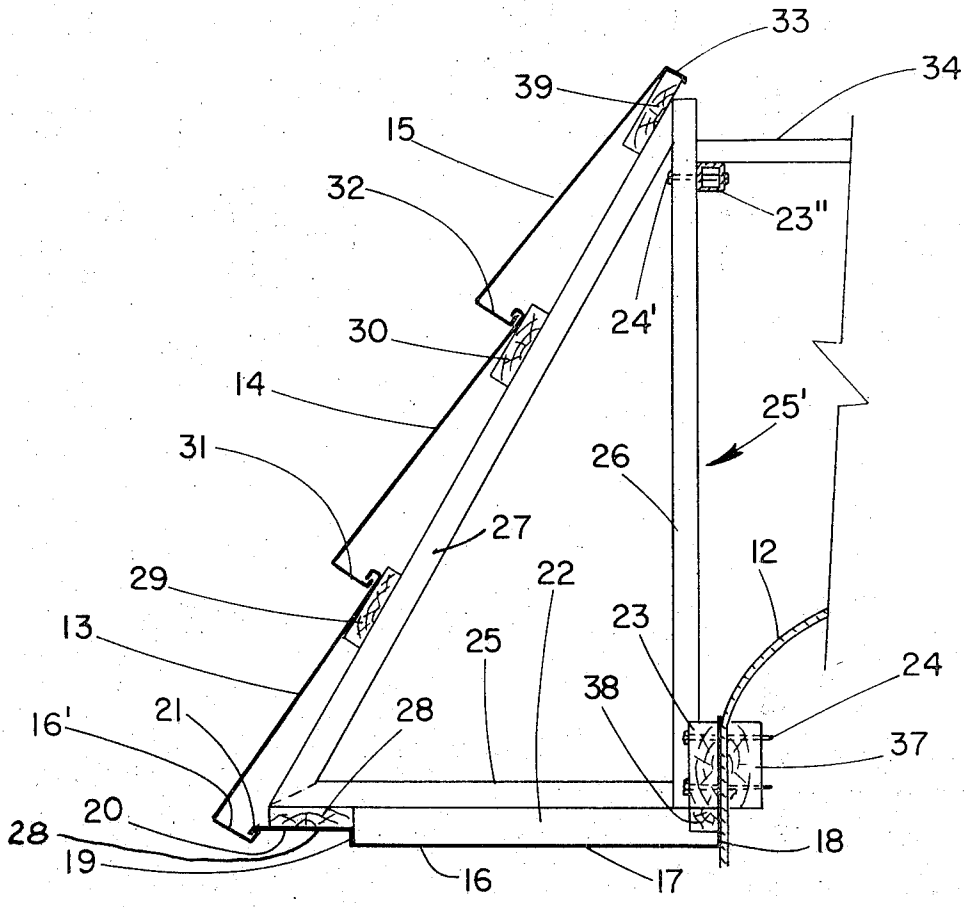




FIG. 1

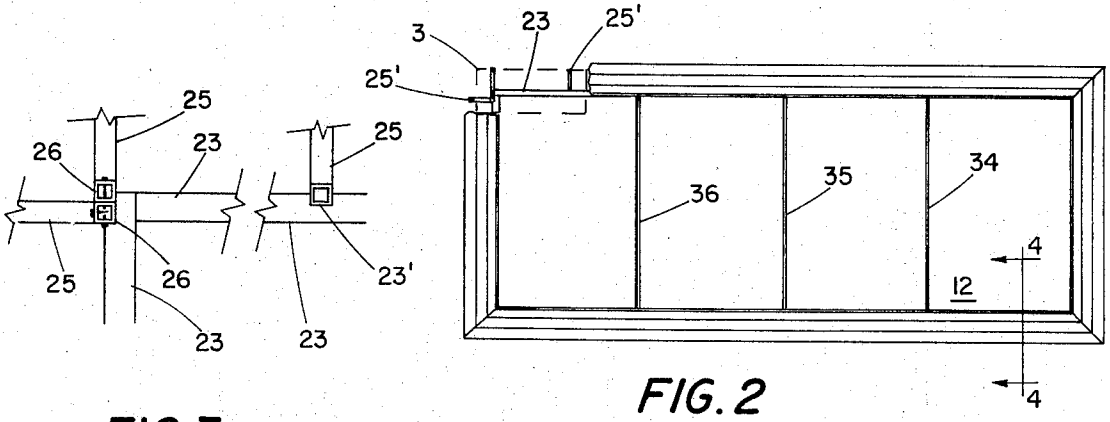


FIG. 2

FIG. 3

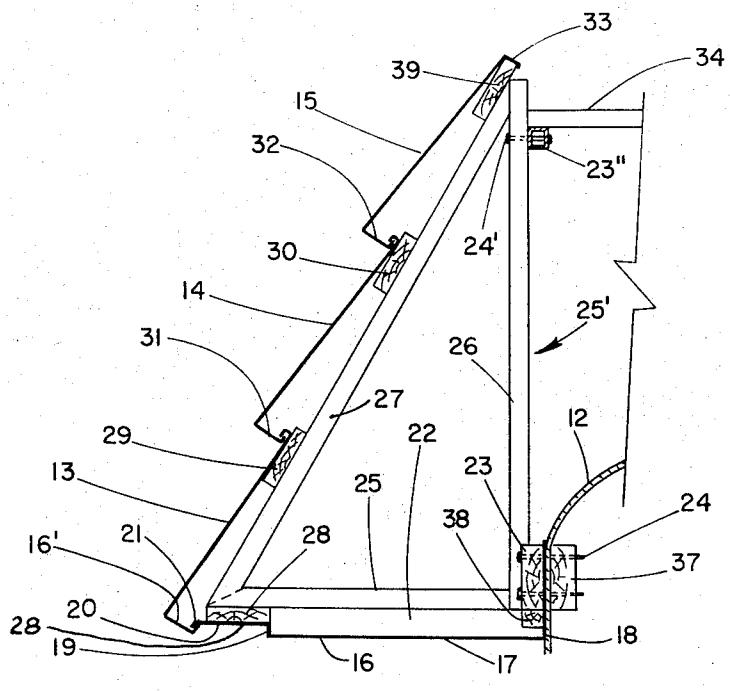


FIG. 4

BUILDING CORNICE WITH ONE PIECE SOFFIT AND GUTTER

BACKGROUND OF THE INVENTION

1. Field of the Invention

This invention is in the field of building construction.

2. Description of the Prior Art

The U.S. Pat. No. 3,507,079 issued to H. E. George discloses a vertical shingle assembly which is mounted to the side wall of a building. The George structure is designed for use with a one piece shingle panel and does not extend above the roof of the building. Disclosed herein is a structure for mounting a plurality of individual shingles to the building with the structure extending above the building thereby providing an appearance of a taller building. Devices also of interest are disclosed in the U.S. Pat. No. 250,580 issued to A. D. Rogers and the U.S. Pat. No. 3,178,777 issued to T. Nadel.

SUMMARY OF THE INVENTION

One embodiment of the present invention is a cornice assembly for a mobile building comprising a frame mounted to the roof of the building, panels mounted to the frame and extending along the length and the width of the building, and a wall mounted to and beneath the frame having an outer end engaged with the panels, an inner end mounted to the building and a middle portion forming a rain water gutter.

It is an object of the present invention to provide a new and improved cornice assembly for a building.

It is a further object of the present invention to provide a cornice assembly having a one piece soffit and gutter.

Related objects and advantages of the present invention will be apparent from the following description.

BRIEF DESCRIPTION OF THE DRAWING

FIG. 1 is a perspective view of a building with a cornice assembly incorporating the present invention.

FIG. 2 is a fragmentary top view looking in the direction of arrows 2—2 of FIG. 1.

FIG. 3 is a fragmentary enlarged view of the cornice portion enclosed by the dash lined block 3 of FIG. 2.

FIG. 4 is a fragmentary enlarged cross sectional view taken along the line 4—4 of FIG. 2 and viewed in the direction of the arrows.

DESCRIPTION OF THE PREFERRED EMBODIMENT

For the purposes of promoting an understanding of the principles of the invention, reference will now be made to the embodiment illustrated in the drawing and specific language will be used to describe the same. It will nevertheless be understood that no limitation of the scope of the invention is thereby intended, such alterations and further modifications in the illustrated device, and such further applications of the principles of the invention as illustrated therein being contemplated as would normally occur to one skilled in the art to which the invention relates.

Referring now to the drawing, there is shown a building **10** which is similar to a mobile home. A cornice assembly **11** is provided for changing the appearance of building **10**. Assembly **11** includes panels **13, 14** and **15** which slant upwardly from a position lower than roof **12** of building **10** to a position higher than the roof.

Panels **13** through **15** provide a mansard or other suitable appearance. A plurality of triangular shaped frames **25'** are mounted to building **10** for supporting panels **13, 14** and **15**. Each frame is identical and has a horizontal bar **25** integrally joined to a vertical bar **26** and a sloping bar **27**. Wooden beams **29, 30** and **39** are fixedly mounted to bars **27** of frames **25'** and extend along the length and width of the building. The top ends of the row of panels **13** and **14** are fastened by screws or other suitable fastening devices to beams **29** and **30**. In addition, the top ends of the row of panels **13** and **14** are hooked outwardly and downwardly from beams **29** and **30** so as to receive the inward and upward hook bottom ends **31** and **32** of the row of panels **14** and **15**. The top ends **33** of the row of panels **15** are hooked inwardly and downwardly around beam **39** being secured thereto.

Cornice assembly **11** includes a one piece soffit and gutter **16** which extends around the building allowing rain water within space **22** to flow to the drain pipes located at the corners of the building. Soffit and gutter piece **16** has a horizontal wall **17**, which forms the gutter, integrally joined to wall **20** fastened to and beneath wooden beam **28**. Beam **28** is fastened bo bars **25** of frames **25'** and extends along the length and width of the building. The outer end **21** of wall **20** hooks downwardly to receive the inward and upward hooked ends **16'** of the row of panels **13**. The opposite end of wall **20** is joined to wall **17** by vertical wall **19**.

In most mobile homes, a wooden beam **37** is positioned immediately below the roof **12**. Thus, another wooden beam **23** may be mounted to the exterior surface of the building being secured to beam **37** by fastening devices **24**. Beam **23** has slots **23'** receiving bars **26** of frame **25'**. A second wooden beam **38** is mounted to and beneath beam **23** to prevent bars **26** from slipping through the slots in beam **23**. Wall **17** is joined to a vertical wall **18** which is secured between beams **23, 38** and the building wall.

The rows of panels **13** through **15** are not shown in FIG. **3** in order to illustrate slots **23'** of beams **23**. In addition, bracing tubes **23''** are not shown in FIG. **3** in order that beams **23** may be clearly shown. Bracing tubes **23''** extend the length and width of the building and are joined by conventional fastening devices to the top portions of vertical bars **26** of each frame **25'**. A plurality of cross struts **34, 35** and **36** extend over and across the building connecting the frames **25'** together. It will be noted in FIG. **3** that at the corner of the building, beam **23** is provided with an extra long slot so as to receive a pair of vertical bars **26** of adjacent frames. The vertical bars **26** are secured together by conventional fastening devices with one of the vertical bars being secured to beam **23** by a bolt. The bracing tube **23''** extends around and above the building forming a rectangular frame to which bars **26** are secured by fasteners **24'**.

The row of panels **13** and **14** each have an inward and upward hooked bottom end and an outward and downward hooked top end. On the other hand, the row of panels **15** have inward and upward hooked bottom ends and inward and downward hooked top ends. The bottom end **16'** of each panel **13** is hookingly engaged with the outer end of wall **20** with the top ends of each panel **13** and **14** being fixedly secured to wooden beams **29** and **30** while simultaneously being hookingly engaged with the bottom ends of respectively each

panel **14** and **15**. The top end of each panel **15** is fixedly fastened to wooden beam **39** whereas the bottom end of each panel **15** is hookingly engaged with top end of each panel **14**.

While the invention has been illustrated and described in detail in the drawings and foregoing description, the same is to be considered as illustrative and not restrictive in character, it being understood that only the preferred embodiment has been shown and described and that all changes and modifications that come within the spirit of the invention are desired to be protected. For example, a single panel **13, 14** and **15** may extend the entire length of the building or a plurality of individual adjacent panels may be aligned in rows extending the length of the building.

The invention claimed is:

1. A cornice assembly for a mobile building:
a frame mounted to the roof of said building;
panels mounted to said frame and extending along the length and width of said building; and,
a wall mounted to and beneath said frame having an outer end engaged with said panels, an inner end mounted to said building and a middle portion forming a rain water gutter; and wherein:
said frame includes a plurality of triangular-shaped forms each having an upwardly sloping bar to which said panels are mounted, a vertical bar mounting said frame to said building and a horizontal bar to which said wall is mounted.

2. The assembly of claim **1** and further comprising:
wooden beams mounted to said upwardly sloping bars and extending the length and width of said building; and wherein:
said panels include a bottom row of panels, a middle row of panels and a top row of panels, each of said panels of said bottom and middle rows have an inward and upward hooked bottom end and an outward and downward hooked top end, said bottom ends of said bottom row of panels are hookingly engaged with said wall outer end, said top ends of said bottom row of panels are fixedly fastened to one of said beams and are hookingly engaged with said bottom ends of said middle row of panels, said top ends of said middle row of panels are fixedly fastened to one of said beams and are hookingly engaged with said top row of panels.

3. The assembly of claim **2** and further comprising:
a wooden beam mounted to and beneath said horizontal bar of each of said forms, said wooden beam having said wall mounted to and therebeneath;
a wooden beam mounted to said building having slots receiving said vertical bar of each of said forms; and,
tubes connecting said vertical bar of each of said forms together.

4. The assembly of claim **3** and further comprising:
cross struts extending over and across said building connecting said forms together.

5. A cornice assembly for a mobile building:
a frame mounted to the roof of said building;
panels mounted to said frame and extending along the length and width of said building; and,
means mounted to and beneath said frame having an outer end engaged with said panels, an inner end mounted to said building and a portion forming a rain water gutter; and wherein:
said frame includes a plurality of triangular-shaped forms each having an upwardly sloping bar to which said panels are mounted, a vertical bar mounting said frame to said building and a horizontal bar to which said means is mounted.

6. The assembly of claim **5** amd further comprising:
wooden beams mounted to said upwardly sloping bars and extending the length and width of said building; and wherein:
said panels include a bottom row of panels, a middle row of panels and a top row of panels, each of said panels of said bottom and middle rows have an inward and upward hooked bottom end and an outward and downward hooked top end, said bottom ends of said bottom row of panels are hookingly engaged with said means outer end, said top ends of said bottom row of panels are fixedly fastened to one of said beams and are hookingly engaged with said bottom ends of said middle row of panels, said top ends of said middle row of panels are fixedly fastened to one of said beams and are hookingly engaged with said top row of panels.

7. The assembly of claim **6** and further comprising:
a wooden beam mounted to and beneath said horizontal bar of each of said forms, said wooden beam having said means mounted to and therebeneath;
a wooden beam mounted to said building having slots receiving said vertical bar of each of said forms; and,
tubes connecting said vertical bar of each of said forms together.

8. The assembly of claim **7** and further comprising:
cross struts extending over and across said building connecting said forms together.

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