July 15, 1969 E. C. KIEKHAEFER 3,455,073

SKYLIGHT MOUNTING

Filed Jan. 12, 1967

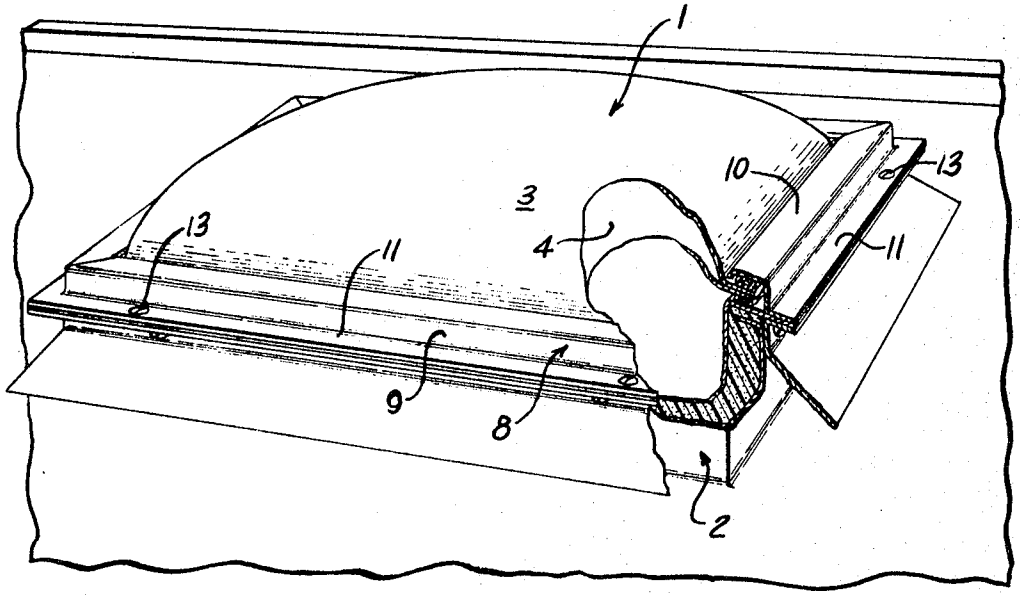
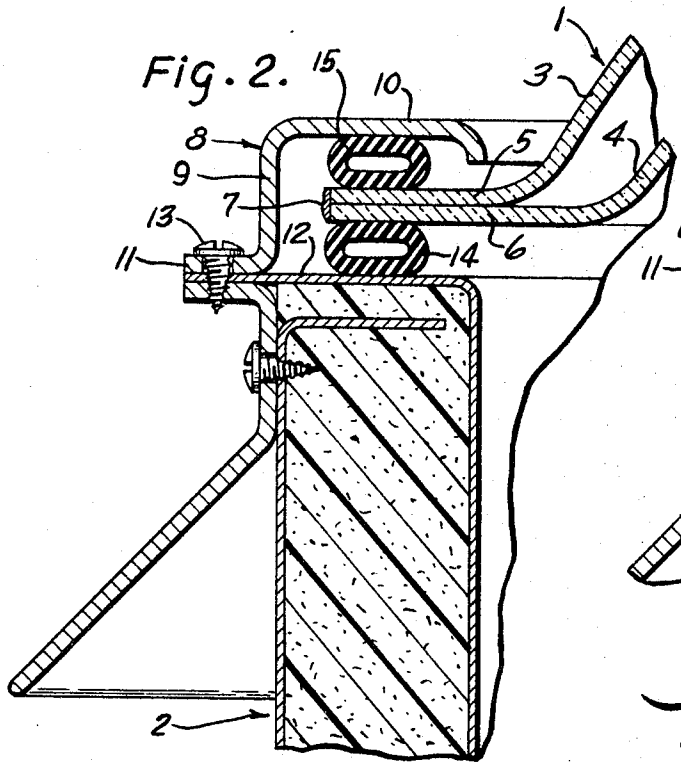
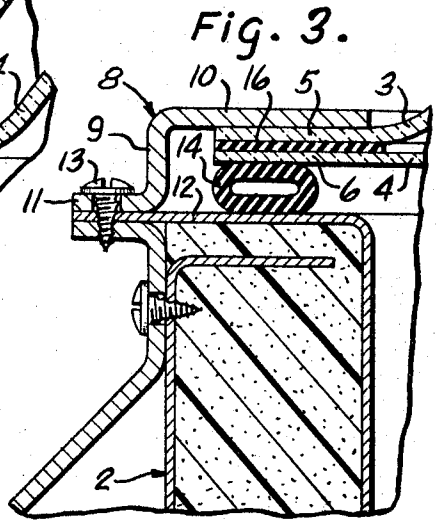


Fig. 1.





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United States Patent Office 3,455,073 Patented July 15, 1969

3,455,073

SKYLIGHT MOUNTING

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Filed Jan. 12, 1967, Ser. No. 608,790
Int. Cl. E04b 7/18, 1/62, 1/32
U.S. Cl. 52—200 2 Claims

ABSTRACT OF THE DISCLOSURE

A skylight structure in which one or more resilient hollow tubular rubber-like members are employed as a rolling seal along the periphery of the skylight to provide for differential expansion and contraction from changes in temperature.

This invention relates to a skylight mounting.

The invention is applicable to the mounting of skylights of various configurations, that illustrated being generally rectangular. Also it is applicable to either single or dual skylight construction.

In carrying out the invention a rolling seal is employed between the skylight and its supporting curb. This permits differential in expansion and contraction between the skylight and the curb under various weather conditions.

The accompanying drawing illustrates embodiments presently contemplated as the best mode of carrying out the invention.

In the drawing:

FIGURE 1 is a perspective view of a skylight with a portion broken away and sectioned to show the mounting;

FIG. 2 is a detail transverse vertical section showing a mounting utilizing two rolling seals; and

FIG. 3 is a similar section showing a mounting utilizing a single rolling seal.

The skylight generally comprises a skylight dome **1** mounted upon a curb **2** as shown in FIG. 1.

The dome **1** is preferably composed of two molded sheets **3** and **4** of glass or lightweight acrylic plastic spaced apart centrally and having parallel superimposed peripheral abutting flanges **5** and **6** with the flange **5** of outer dome sheet **3** overlying flange **6** of inner dome sheet **4**.

In the construction illustrated in FIG. 2 the outer edges of the flanges **5** and **6** are either heat bonded together as at **7** or a suitable cement is used to bond them together.

The dome **1** is secured upon the curb **2** by a retainer frame **8** which is shown as a separate member having a vertical wall **9** with an inner flange **10** overlying the flanges **5** and **6**, and with an outer flange **11** resting upon the top **12** of curb **2**. Top **12** forms a frame element cooperating with flange **10** of frame **8** to confine peripheral flanges **5** and **6**.

The retainer frame **8** is secured to the curb **2** as by screws **13**.

In carrying out the invention a rolling seal **14** is provided to support the dome **1** and more specifically the flange **6** upon the top **12** of curb **2**. The seal **14** is preferably constructed of a continuous length of a hollow tube of synthetic rubber or other suitable weather resistant yielding material. The tube is preferably initially circular in section and flattens out to a limited extent in supporting

the dome and thereby provides a suitable seal for the skylight.

A second rolling seal **15** identical to seal **14** is provided between the inner flange **10** of retainer frame **8** and the dome **1**, more specifically the upper flange **5** of the dome.

The seals **14** and **15** are free and unconfined except for their respective contacts with the flat surfaces of flange **5** or **6** and flange **10** or top **12**. The seals provide an expansion joint type of mounting for the dome **1** and permit a differential expansion between the dome **1** and curb **2** caused by various weather conditions.

FIG. 3 illustrates an embodiment employing only a single rolling seal **14**. In place of the rolling seal **15** the construction of this embodiment provides a gasket **16** between the two flanges **5** and **6** of the dome or between the flange **5** and retainer flange **10**.

The gasket **16** by permitting slippage allows freedom of expansion differential between the inner dome sheet **4** and or both sheets **3** and **4** and the retainer frame **8**.

The rolling seal **14** is resilient and maintains a minimum of sealing pressure between the elements at all times.

Various modes of carrying out the invention are contemplated as being within the scope of the following claims particularly pointing out and distinctly claiming the subject matter which is regarded as the invention.

I claim:

1. A mounting for a dual pane skylight in which the panes have parallel superimposed peripheral abutting portions confined between frame members, and sealing members between said panes and the corresponding frame elements each comprising a resilient hollow tubular rubber-like member which partially flattens in supporting the skylight within the frame, said tubular members being free and unconfined except for their respective contacts with the flat surfaces of the corresponding pane and frame member whereby said tubular members constitute rolling seals capable of yielding upon differential expansion and contraction between the panes of the skylight and the frame members.

2. A mounting for a dual pane skylight in which the panes have parallel superimposed peripheral portions confined between frame members, a rolling seal extending peripherally of the skylight between one of said panes and the adjacent frame member, said rolling seal comprising a resilient hollow tubular rubber-like member which partially flattens in contact with the flat surface of the pane and frame member respectively, said tubular member being otherwise free and unconfined to thereby provide for differential expansion and contraction between the pane and the frame and a gasket between said peripheral portions which permits slippage and allows freedom of expansion between the panes.

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U.S. Cl. X.R.

52—80, 397, 398, 573