June 1, 1926. 1,586,700

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JOINT PROTECTOR FOR BUILDING CONSTRUCTION

Filed June 19, 1924

Fig. 1.

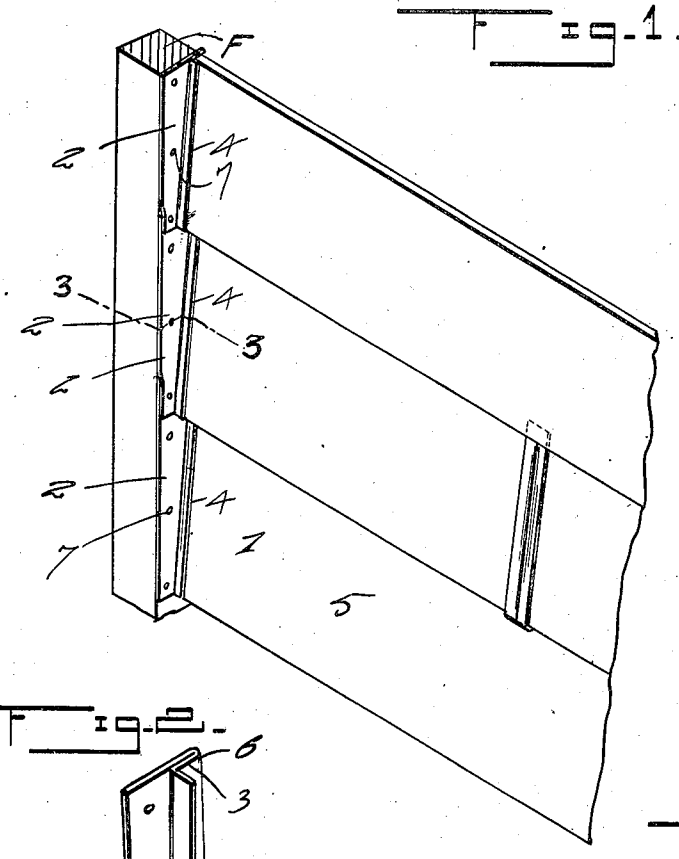


Fig. 2.

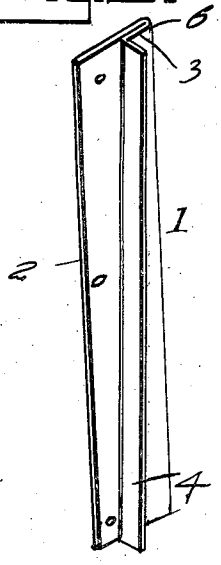
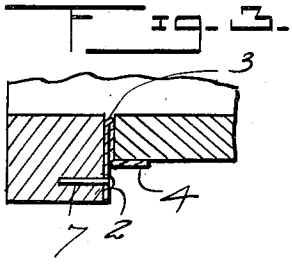


Fig. 3.



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UNITED STATES PATENT OFFICE.

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JOINT PROTECTOR FOR BUILDING CONSTRUCTION.

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This invention relates to joint protectors in general and particularly to the kind capable of providing weather proofing between butt joint structures.

The object of the present invention is to provide a simple, practical and efficient device of strong, durable and inexpensive construction adapted to be readily applied to wood and other building structure abutting with each other and forming butt joints, and capable of closing the joint and protecting the same at window frames, door frames, weather boards and similar places.

A further object of the invention is to provide a device of this character which will be adapted to close and cover the joints between the adjacent ends of building structure so that the same may be arranged or applied in several separate pieces without liability of any leakage at the contiguous ends or the rotting of the ends and the deterioration of the structure members due to accumulation of water in the joints.

It is also an object of the invention to provide a weather-board joint protector adapted to form an interlocking and supporting connection between the adjacent ends of two pieces of weather-boarding, whereby the device is secured in position and one weather-board is adapted to assist in holding another in position.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawing and pointed out in the claims hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claims may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing:—

Figure 1 is a perspective view of a plurality of weather-boards provided with joint protectors constructed in accordance with this invention.

Figure 2 is a detail perspective view of one of the joint protectors adapted for use for protecting the joints at a window frame, door frame or the like.

Figure 3 is a similar view taken substantially on the line 5—5 of Figure 1.

Like numerals of reference designate corresponding parts in the several figures of the drawing.

In the accompanying drawing, in which is illustrated the preferred embodiment of the invention, 1 designates a weather-board joint protector designed to be constructed of suitable sheet metal and galvanized or otherwise coated to prevent it from rusting when exposed to the weather and consisting of an attaching flange 2, a two ply rib 3, and a flange 4, which is arranged perpendicular to the plane of the flange 2 and the rib 3 and at an inclination to fit the outer face of a weather-board 5. The sheet metal is folded longitudinally to provide the rib 3, which is two ply and which is arranged between the weather-board and a frame member or timber F, as clearly illustrated in Figure 3 of the drawing, and the plate or flange 2 forms a continuation of and arranged coincident with the outer thickness or ply of the rib 3. The folding of the sheet metal at the bend or connecting portion 6 of the two ply rib forms one of the plies of the rib and the flange 2, while the other flange 4 is formed by bending the other side of the sheet metal at an angle or inclination. The flange 2, which forms an extension of the adjacent ply or thickness of the rib, is secured by suitable fastening devices 7 to the frame member or timber F. The protecting device will prevent the entrance of water at the joints between the weather-boards and the frame member or timber and the device also assist in holding the weather-boards in position. The frame member F may be an ordinary timber or it may consist of a portion of a door frame, window frame or the like.

While I have shown and described in the above, the application of the joint protector between weather-boards and the timber adjoining the same, it is evident that the joint protector may be readily used between any kind of abutting building structure. It might be advisable to make attaching flange 2 and flange 4 of the same width. Such a construction is obvious for a joint protector adapted to cover the joint of construction

members disposed at right angles to each other. In such a case, it is obvious that it will not be necessary to bend flange 4 of the joint protector at an angle relative to the edge of the double ply rib as is necessary when the device is applied to weather-boards.

What I claim is:—

1. A joint protector for weather-boards consisting of a strip of sheet metal folded longitudinally to form a two ply rib to fit between a weather-board and a frame member, one of the sides or portions of the sheet metal being bent longitudinally perpendicular to the plane of the rib and at an angle or inclination to fit flat against the exterior of an inclined weather-board, and the other side or portion of the sheet metal being extended outwardly and forming a continuation of the adjacent ply or thickness to provide a tapering attaching flange.

2. A weather-board joint protector consisting of a strip of sheet metal folded longitudinally to form a two ply rib and having one of its sides extended from and forming a continuation of the rib to provide an attaching flange, said attaching flange having a vertical outer edge and the other side of the strip being bent perpendicularly to the said flange, and set at an inclination to the said vertical edge and arranged to fit over the outer face of a weather-board.

Signed at New York in the county of New York and State of New York this 5th day of June A. D. 1924.

GEORGE V. REINHARDT.