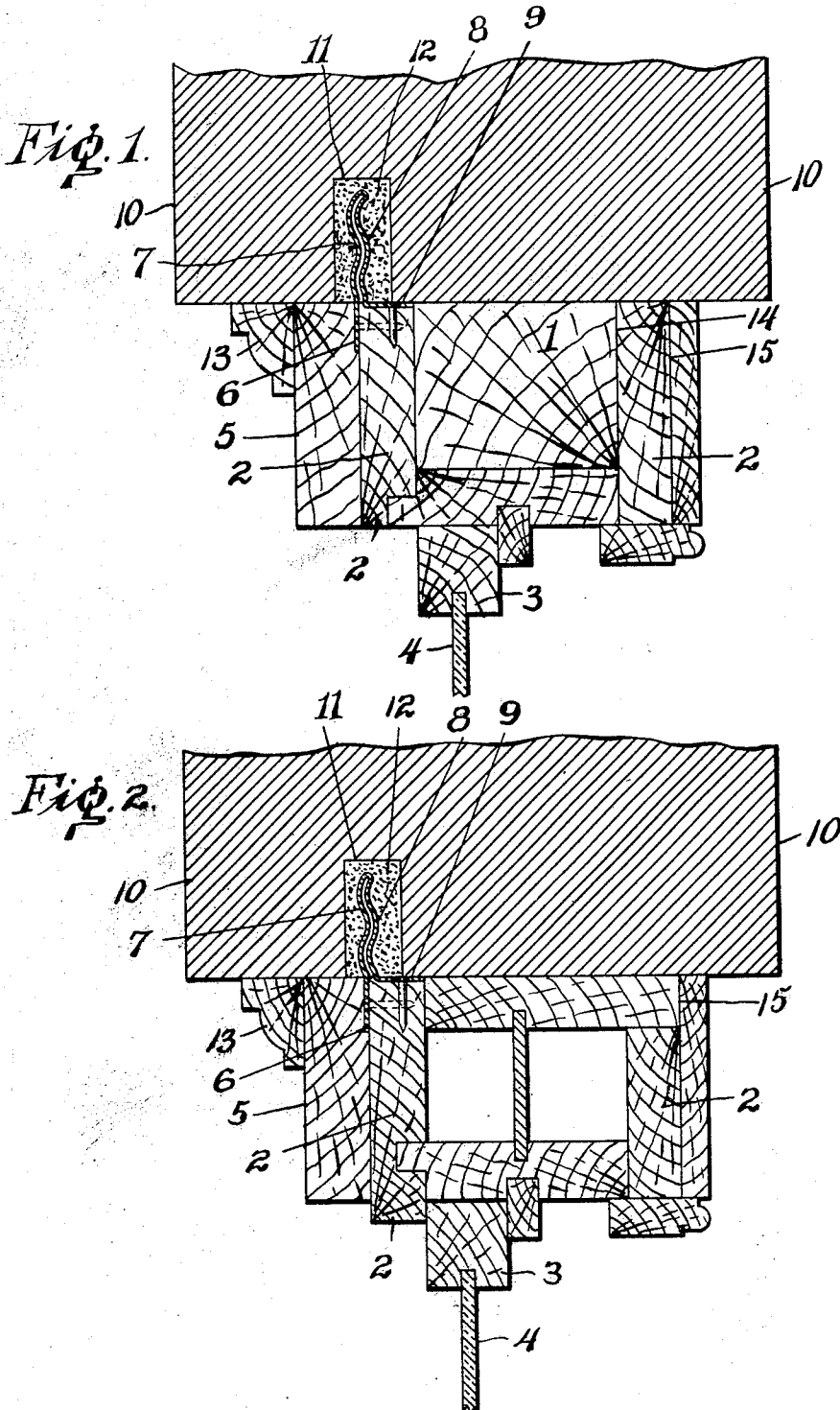


C. J. APPLETON.
 BUILDING FRAME ANCHORAGE AND WEATHERPROOFING.
 APPLICATION FILED MAR. 10, 1909.

931,714.

Patented Aug. 24, 1909.



WITNESSES

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UNITED STATES PATENT OFFICE.

CHARLES J. APPLETON, OF PHILADELPHIA, PENNSYLVANIA.

BUILDING-FRAME ANCHORAGE AND WEATHERPROOFING.

931,714.

Specification of Letters Patent.

Patented Aug. 24, 1909.

Application filed March 10, 1909. Serial No. 482,502.

To all whom it may concern:

Be it known that I, CHARLES J. APPLETON, a citizen of the United States, residing in the city of Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented new and useful Improvements in Building-Frame Anchorage and Weatherproofing, of which the following is a specification.

10 My invention relates to an anchorage and weatherproofing device for window, door, or other frames used in buildings.

My invention resides in the combination with such a frame of a corrugated looped 15 metal plate built in or secured to the framing, and projecting around the periphery of the framing, together with a channel or grooving on the inner face of the surrounding wall, the channel or grooving registering 20 with the corrugated plate and receiving the same, and mortar, cement, or other suitable material solidly filled around the corrugated plate and filling the channel or groove in the wall.

25 For an illustration of a form my invention may take, reference is to be had to the accompanying drawing, in which:

Figure 1 is a cross sectional view through the framing, corrugated plate and wall at the 30 top of a window or other frame. Fig. 2 is a similar section, being a horizontal section, through a window frame and adjoining wall.

In the drawing, 1 represents the core timber in the head of a window frame, to which 35 are secured the face casings, such as 2. The window sash is shown in section at 3 and the window glass or pane at 4.

To the face casing 2 is secured the member 5, and between the members 2 and 5 is 40 secured the end 6 of a metallic plate or strip which extends outwardly substantially at right angles to the outer face of the casing and is corrugated as shown at 7. It is then bent back upon itself and similarly corrugated as shown at 8 and then bent at right 45 angles as shown at 9 and secured to the external face of the frame. The wall 10 of stone, brick, or other material has formed

therein the groove or channel 11 into which the corrugated strip extends. Mortar, cement, 50 or other suitable material 12 is then solidly filled in the groove or channel 11 completely surrounding the metallic strip, thus firmly gripping the corrugated strip and anchoring it and the attached frame firmly to the 55 building, and at the same time making a weather proof connection, whereby wind, rain, dust, etc., can not pass from the exterior to the interior of a building between the window frame and wall. 60

While I have shown the corrugated strip secured at the joint between the members 2 and 5, it is to be understood that it can be secured at other joints, as, for example, between the member 5 and the member 13, 65 or at the joint 14, or at the joint 15.

What I claim is:

1. The combination with a frame, of a corrugated sheet metal member secured at one edge between parts of said frame and 70 looped back upon itself and secured at its other edge to an exterior surface of said frame, a wall, a channel or groove therein registering with said corrugated sheet metal member, and material filled in said channel 75 or groove to securely bind said sheet metal member.

2. The combination with a frame, of a corrugated sheet metal member secured at one edge to said frame and looped back on 80 itself and secured at its other edge to said frame, the corrugations in the different portions of the loop substantially coinciding with each other, a wall, a channel or groove therein registering with said sheet metal 85 member and adapted to receive the same, and material filled in said channel or groove and binding said sheet metal member.

In testimony whereof I have hereunto affixed my signature in the presence of the 90 two subscribing witnesses.

CHARLES J. APPLETON.

Witnesses:

ELEANOR T. McCALI,
A. E. STEINBOCK.