(No Model.)

W. F. CUNNINGHAM.

WEATHER STRIP.

No. 454,994. Patented June 30, 1891.

Fig. 1.

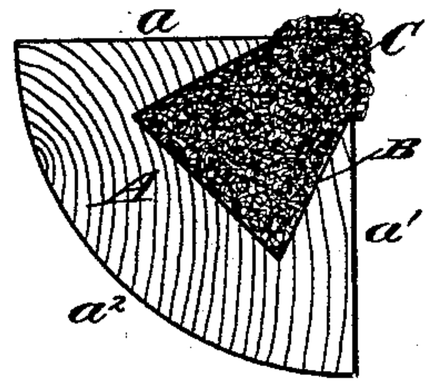
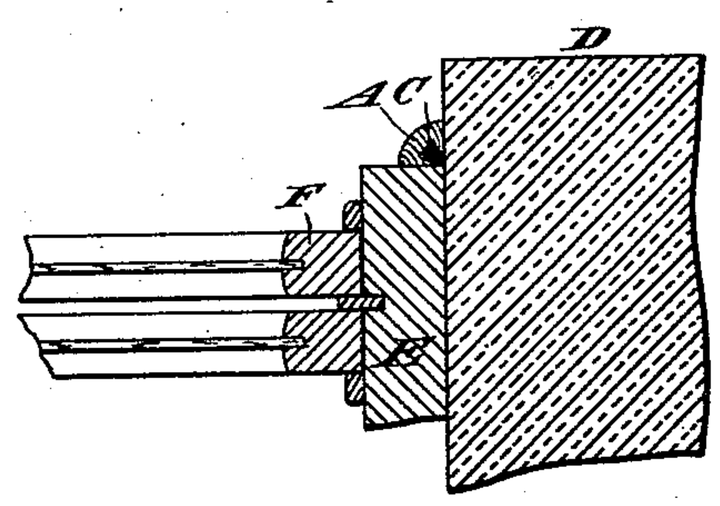


Fig. 2.



Witnesses:-
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Inventor.-
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by his attorneys
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UNITED STATES PATENT OFFICE.

WILLIAM F. CUNNINGHAM, OF BROOKLYN, NEW YORK, ASSIGNOR OF ONE-HALF TO ENOCH RUTZLER, OF SAME PLACE.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 454,994, dated June 30, 1891.

Application filed April 26, 1890. Serial No. 349,581. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM F. CUNNINGHAM, of Brooklyn, in the county of Kings and State of New York, have invented a certain new and useful Improvement in Weather-Strips, of which the following is a specification.

My invention relates to an improvement in weather-strips intended particularly for outside use between the masonary or wall of a building and the door or window casing. Experience has shown that it has been a matter of great difficulty to effectually close the joint between the wall of a stone or brick building and the casing, so as to prevent cold air from creeping through and producing an objectionable draft in the immediate neighborhood of the window or door casing.

The object of my present invention is to obviate this difficulty and to provide a cheap and effective weather-strip for such use.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 is a transverse section of the strip, showing the packing located at the angle of the strip. Fig. 2 represents a partial horizontal section through the wall of a building, window casing and sash, showing the weather-strip in position relatively thereto.

A represents a strip of wood or other suitable material having two of its adjacent faces *a a'* formed at right angles to each other, as shown, in order that the strip may be engaged snugly in a corner. It is evident, of course, that if the corner or angle formed by the parts of the structure to which the weather-strip is to be applied were other than a right-angled corner or angle the sides *a a'* could be set at a corresponding angle to each other to fit such form of angle or corner. The other side a^2 of the strip is here shown of rounded form, and this is found to be a very convenient and desirable shape, as it makes a neat finish and is not expensive to form, although of course it might be of other well-known and approved configuration, if desired.

The strip A is provided with a dovetailed groove B, opening at the angle of the strip, and in said dovetailed groove packing C is inserted and allowed to project out from the mouth of the groove, so as to become compressed in the angle or corner when the strip is secured in position, and thereby effectually close any opening. The packing C should be formed of some suitable flexible substance, and I have found that for this purpose cotton is particularly well adapted, because it does not become hardened by exposure to the atmosphere. The dovetailed shape of the groove B will hold the cotton pressed therein securely in position, so that the strip may be made with its groove already filled with cotton as an article of manufacture and sale upon the market and be cut in lengths to suit the demands of the purchaser.

In Fig. 2 the wall of the building is represented by D, the window or door casing by E, and the window-sill by F, the strip A being here shown snugly fixed in the angle between the casing and wall of the building, with the cotton, which projects from the mouth of the groove, forced tightly into the angle and effectually stopping any crevices which may there be formed.

The strip A may be secured in position by nails, screws, or any other well-known and suitable fastenings.

What I claim as my invention, and desire to secure by Letters Patent, is—

The herein-described weather-strip, consisting of a body portion A, provided with a dovetailed groove B, opening at the angle formed by two adjacent sides of the strip, and a packing of cotton secured in the groove and protruding therefrom at the angle of the strip, substantially as set forth.

WILLIAM F. CUNNINGHAM.

Witnesses:

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