Dec. 28, 1926. 1,612,609

A. D. CHERRY

WEATHER STRIP FOR DOORS

Filed March 18, 1926

Fig. 1

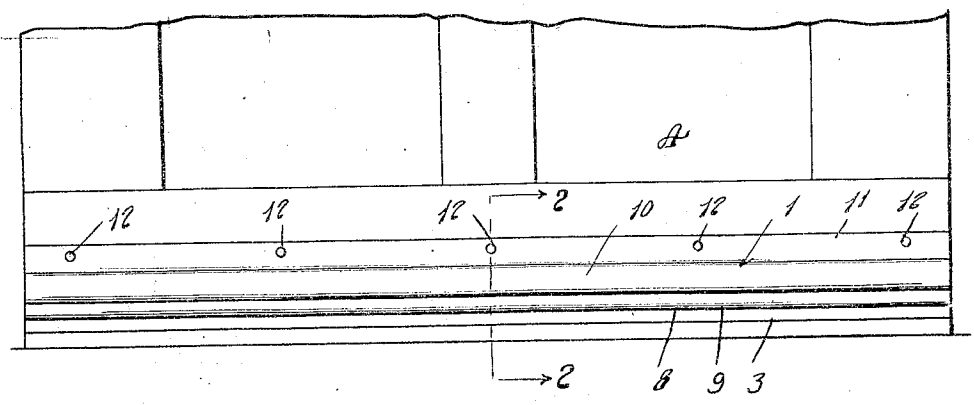


Fig. 2.

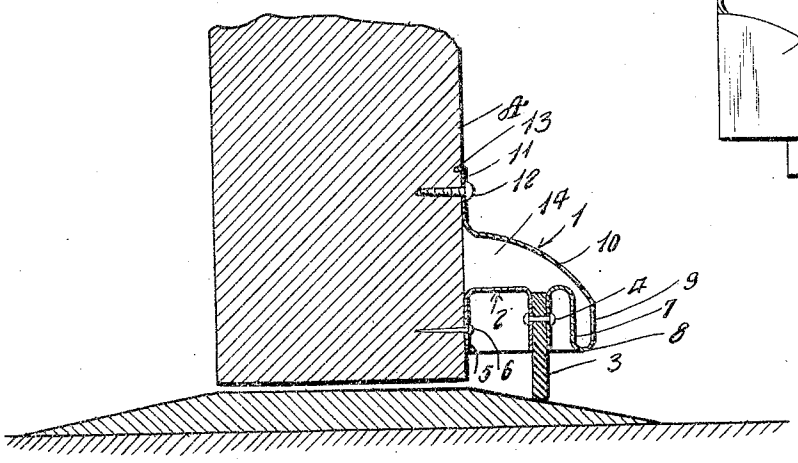
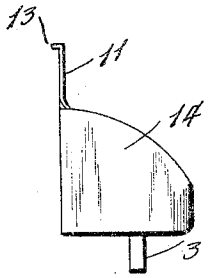


Fig. 3.



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UNITED STATES PATENT OFFICE.

ARTHUR D. CHERRY, OF OKMULGEE, OKLAHOMA.

WEATHER STRIP FOR DOORS.

Application filed March 18, 1926. Serial No. 95,710.

The invention relates to means to form a weather tight joint for the bottom of the outside of doors to prevent rain water from being driven under the door and also to prevent the entrance of dust and snow from being blown under the door into the building, and has for its object the provision of a device that is neat and attractive in appearance and that will effectively accomplish the purpose stated, the body of the device holding the strip of flexible material being formed of sheet metal so bent as to provide an overhang apron spaced apart from the flexible strip exterior thereof to prevent water from creeping upward and back under the door, the upper edge of the sheet metal body portion being provided with a lateral flange to be driven into the material of the door to insure heading the water running down the door outwardly of the weather strip.

The invention will be described in detail hereinafter and will be found illustrated in the accompanying drawings, in which—

Figure 1 is face view of the lower fragment of a door showing the improved weather strip applied thereto,

Figure 2 is a transverse sectional view on a plane indicated by the line 2—2 of Figure 1, and

Figure 3 is an end view of the weather strip unattached to the door.

In the drawings similar reference characters will be used to designate corresponding parts throughout the several views.

The body of the weather strip is formed of two pieces of sheet metal designated 1 and 2 respectively, and has secured between one of the edges of each strip a strip of flexible material 3 by means of rivets 4 or other suitable fastening means. The strip of metal 2 is bent into an inverted U-shape as shown and has its downwardly extending free edge 5 spaced from the edge embracing the flexible strip 3 spaced inwardly therefrom and adapted to be secured to the door A by means of driven fastenings 6.

The metal strip 1 adjacent to the portion secured to the flexible strip 3 is bent into a U-shape 7 spaced from the adjacent edge of the strip and then rebent upwardly as shown at 8 to form an overhang or apron 9. The metal strip 1 is then curved upwardly and backwardly as shown at 10 to form the upper surface of the body of the strip and then bent upwardly as shown at 11 to engage against the door and to be secured thereto by driven fastenings 12, the extreme edge of the strip 1 being bent inwardly toward the door and adapted to be driven into the material thereof, as shown at 13 to insure shedding water running down the door outwardly of the weather strip and to prevent it running down between the weather strip and the door. The ends of the strip are closed by means of a piece of sheet metal 14 that may be integral with either or both pieces 1 and 2 or may be a separate piece as may be found most desirable in manufacturing the device.

What is claimed is:—

1. A weather strip for doors, comprising a body portion adapted to be secured to a door, a strip of flexible material secured in said body portion and spaced from the door, and an overhang portion on the edge of said body portion remote from the part to be secured to the door and spaced from the secured portion of the flexible strip and forming a water shed outwardly of the strip of flexible material.

2. A weather strip for doors, comprising a body portion formed of two strips of sheet metal, a strip of flexible material secured between one of the edges of each of the strips of sheet metal, one of said strips being bent into inverted U-shape in cross section and adapted to be secured to the door, the other strip being bent into inverted U-shape and then back on itself to form an overhang on the outer side of the body and spaced from the flexible strip, then bent to form a cover extending backwardly over the hereinbefore described portions, the edge then bent upwardly to lie against and be secured to the door, and the extremity bent to form a flange to be driven into the material of the door to form a watertight joint therewith.

In testimony whereof I affix my signature.

ARTHUR D. CHERRY.