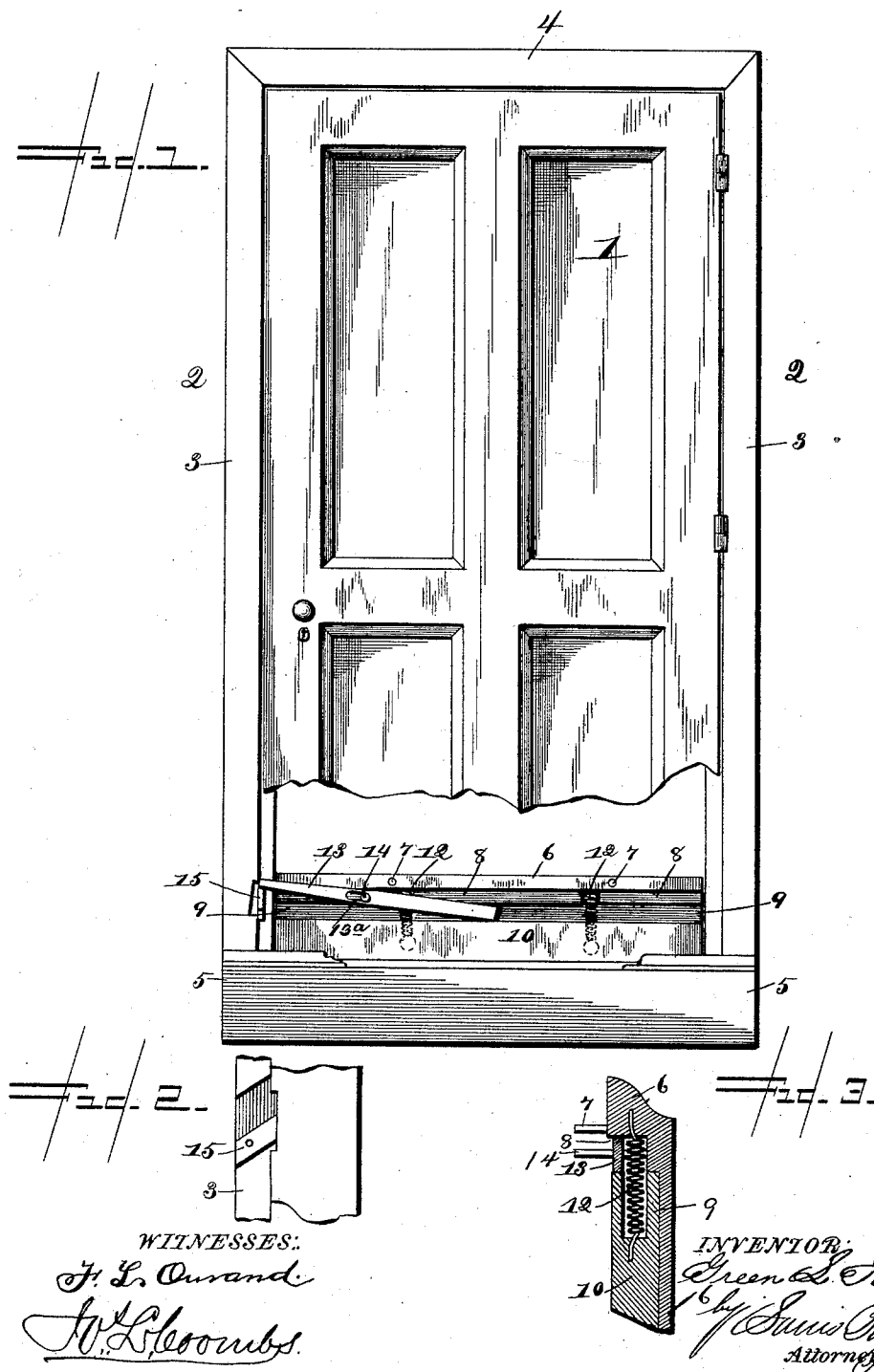


(No Model.)

G. L. FOWLER.
WEATHER STRIP.

No. 469,556.

Patented Feb. 23, 1892.



UNITED STATES PATENT OFFICE.

GREEN LAFAYETTE FOWLER, OF CLARKSBURG, MISSOURI.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 469,556, dated February 23, 1892.

Application filed March 16, 1891. Serial No. 385,256. (No model.)

To all whom it may concern:

Be it known that I, GREEN LAFAYETTE FOWLER, a citizen of the United States, and a resident of Clarksburg, in the county of Moniteau and State of Missouri, have invented certain new and useful Improvements in Weather-Strips; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to improvements in weather-strips for doors, the object being to provide a simple, economical, and efficient device of this character which upon shutting the door will automatically adjust itself in front thereof, so as to prevent rain from beating in or entering underneath the lower edge of the same and which will be automatically raised up out of the way on opening the door.

The invention consists in the novel features of construction and new combinations of parts hereinafter fully described, and definitely pointed out in the claims.

In the accompanying drawings, Figure 1 is an elevation, partly in section, of a door and casing with my improvements applied thereto. Fig. 2 is a detail view of a portion of the door-casing, showing the inclined plate secured thereto. Fig. 3 is a sectional view of the cap and weather-strip detached.

In the said drawings the reference-numeral 1 designates a door, and 2 the casing to which the door is hinged in the usual or ordinary manner. The casing consists of the uprights 3 3, top cross-piece 4, and bottom rail 5. Near the bottom the door is provided with a cap 6, which is secured thereto by means of bolts 7 7. This cap consists of a rectangular piece of wood or other suitable material having its inner side cut away or recessed at 8 and 9, so that where secured to the door spaces are formed to receive the weather-strip and the lever by which the same is depressed in shutting the door. The weather-strip 10 consists, preferably, of a rectangular block of wood and fits in the lower space formed by the cap and is capable of vertically reciprocating therein. Connected with this strip are coiled springs

12, which are also connected with the cap 6 in such manner that the tendency thereof is to draw the strip up. Located in the upper space formed by said cap is a lever 13, which is pivoted to the cap at 14, the pivot passing through an elongated slot or aperture 13^a in said lever. This lever may be of metal or any other material found most desirable.

Upon the upright of the casing, opposite to the one to which the door is hinged, is formed a slot 14, at the edge of which I secure an inclined metal plate or bar 15, against which the end of lever 13 strikes when the door is shut.

The operation is as follows: When the door is open, the strip 10 will be raised up out of the way by means of the springs 12, so that it will be closed within the space formed by the cap and door. When the door is shut, however, the outer end of the lever 13 will strike against the inclined plate 15, whereby the end will be elevated, causing the lever to turn upon its pivot or fulcrum and depressing the inner end, which will in turn depress the strip, so that it will project beyond the bottom edge of the door and efficiently exclude rain, sleet, or snow. In clear and warm weather when the strip is not required, by sliding the lever 13 inward its outer end will be freed from contact with the inclined plate 15, thus allowing the strip to remain in the upper portion of the cap and there be retained by the springs 12 until it is desired to be used when the lever is then drawn outward in position to engage the inclined plate.

Having thus described my invention, what I claim is—

1. The combination, with a door and its casing, of a cap secured to said door, a strip 10, located in said cap, springs for holding the strip elevated in said cap, an inclined plate secured to one of the uprights of the casing, and a lever to force the strip downward against the action of the springs, said lever having a sliding movement on its fulcrum, whereby its outer end may be moved to a position not to engage the inclined plate when the door is closed.

2. The combination, with a door and its casing, of a cap secured to said door, a strip located in said cap, springs connecting said strip with the cap to hold the cap in an elevated

position, an inclined plate secured to one of
the uprights of the door, and a lever having
an elongated aperture through which passes
a pivot, the said lever adapted to depress the
5 strip by engaging with its outer end the in-
clined plate.

In testimony that I claim the foregoing as

my own I have hereunto affixed my signature
in presence of two witnesses.

GREEN LAFAYETTE FOWLER.

Witnesses:

EVERETT PIZER,
J. A. BYBEE.