

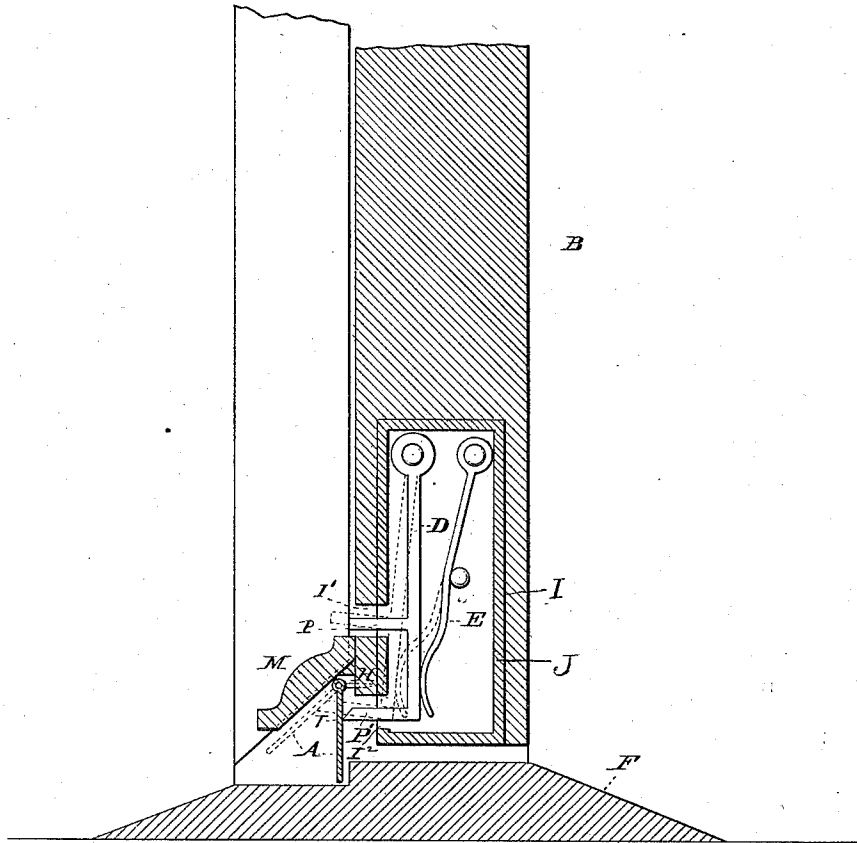
(No Model.)

T. LAW.

WEATHER STRIP FOR DOORS.

No. 335,939.

Patented Feb. 9, 1886.



WITNESSES

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WEATHER-STRIP FOR DOORS.

SPECIFICATION forming part of Letters Patent No. 335,939, dated February 9, 1886.

Application filed October 17, 1885. Serial No. 180,147. (No model.)

To all whom it may concern:

Be it known that I, THOMAS LAW, a citizen of the United States, residing at Manhattan, in the county of Riley and State of Kansas, have invented certain new and useful Improvements in Weather-Strips for Doors; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to letters or figures of reference marked thereon, which form a part of this specification.

15 The drawing is a representation of this invention, and shows a sectional view of a door near one edge.

My invention relates to weather-strips for doors; and it consists in the construction and novel combination of parts, as will be hereinafter fully described, and pointed out in the claim.

Referring by letter to the accompanying drawing, D designates the door; F, the threshold; and A the weather-strip, made of tin, galvanized iron, sheet-rubber or hard rubber, sheet-iron, or a thin strip of any suitable material hinged loosely at its upper edge to the door by staples or hooks H driven or screwed into the front face of the door B.

M designates a strip of molding, which is secured to the door above the strip A in any suitable manner, as by nails or screws. This molding M is not essentially necessary, but is preferably used. In the side edge of the door farthest from the hinges, or on the hinge side of the door, is a recess, I, in which the lock or spring-case J is seated and secured. Within this case J is a suspended key or push-bottom, D, which is provided with two parallel horizontal branches, P and P', designed to project through slots I' and I'' in the door, and is pressed against the strip A at point T by a spring, E, so that the strip, when the door is open, is in the position indicated by dotted lines; but when the door is closed the point or arm P' of the lever D, striking against the door rabbet or casing, pushes the key or lever D back, permitting the strip A to fall into position for resisting and excluding storm, dust, or rain and cold.

The operation of the device is simple and certain. The swinging strip A is held up when the door is open by the lever D, which latter is actuated by the spring E, which may be of any form or material that will subserve the purpose for which it is intended, and said strip is allowed to fall into the closing position by the key or lever D being pushed back and away from said strip by striking against the rabbet groove or casing of the door in shutting the latter.

I am aware that it is not new to provide a door with a hinged weather-strip and arranged in a casing at one edge of the door, a pivoted angle-lever connected with the said weather-strip by means of a link, the said angle-lever being adapted, when engaged by the door, to close the weather-strip, and acted upon by a spring in such a manner as to cause the said lever to raise the strip when the door is opened.

I am also aware that a lever has been pivoted in a door, so as to be held projected beyond its inner surface by means of a spring, and its inner end connected with a hinged weather-strip, so as to raise and lower the same as the door is opened and closed, and therefore do not claim such devices, broadly.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

The combination, with the door having the lock-casing arranged in the recess I thereof, and having the apertures I' and I'', of the lever D, pivoted at its upper end in the said casing, and provided with two horizontal branches at its lower end, passing through the said apertures, the lower one of which engages the pivoted strip A and the upper one the rabbet of the door-casing, and the flat spring E, engaging the inner side of the said lever D, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS LAW.

Witnesses:

ORVILLE HUNTRESS,
SAM KIMBLE, Jr.