

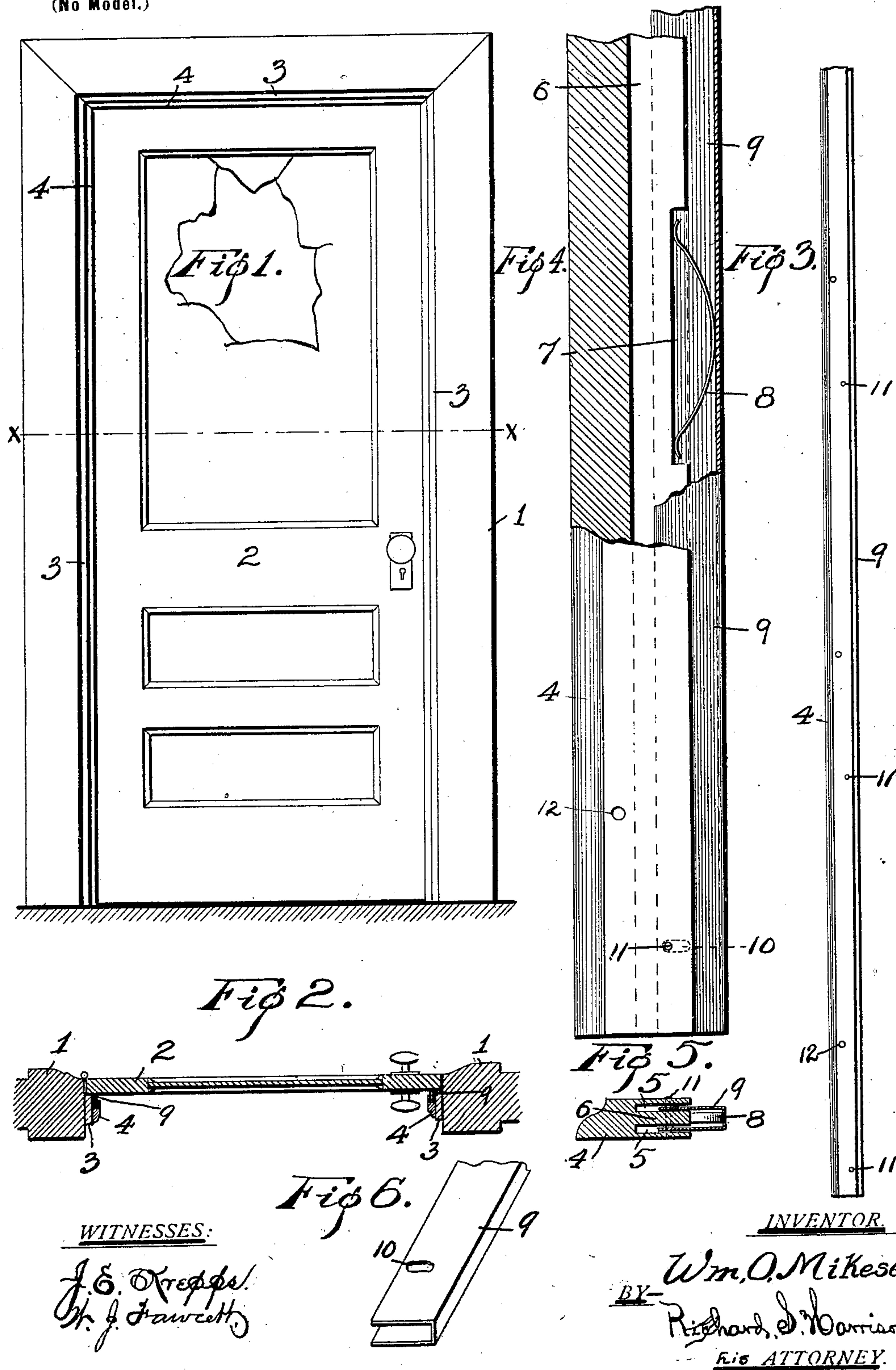
No. 673,581.

Patented May 7, 1901.

W. O. MIKESELL.
WEATHER STRIP.

(Application filed Dec. 17, 1900.)

(No Model.)



UNITED STATES PATENT OFFICE.

WILLIAM O. MIKESELL, OF PITTSBURG, PENNSYLVANIA.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 673,581, dated May 7, 1901.

Application filed December 17, 1900. Serial No. 40,087. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM O. MIKESELL, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Weather-Strips; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates particularly to weather-strips for doors; and one object thereof is to provide improvements in such strips as will effectually prevent the entrance of any air-drafts or rain at the meeting edges of the door.

Further objects of my invention are to provide a strip that will present a neat appearance, will not necessitate alterations in either door or frame, or require a skilled workman to apply the same in position.

With the above objects in view the invention finally consists in the novel construction and combination of parts, as will be hereinafter more fully described in detail.

In describing the invention in detail reference is had to the accompanying drawings, wherein like detail parts are designated by numerals of like denominations in all the views, in which—

Figure 1 is a vertical front elevation of a door and frame having my improved strip fitted thereto. Fig. 2 is a plan elevation in section through the door and frame on the line X X of Fig. 1. Fig. 3 is a side elevation of a portion of my improved strip. Fig. 4 is an enlarged side elevation of a portion of the strip, which is partly broken away and in section to show the interior construction. Fig. 5 is an end sectional view of the same. Fig. 6 is a perspective view of a portion of the contact-strip.

In the drawings the numeral 1 designates a door-frame, 2 the door, and 3 the jamb-strips around the frame. These parts being old and well known in the art are made use of in this case to fully show the application of my improved weather-strip.

The improvements consist of a wooden strip 4, having longitudinal grooves 5 formed with-

in one edge. The central web or tongue 6 is provided at intervals in its face with longitudinal depressions 7. Loosely seated within each of these depressions is a bow-shaped spring 8, which is flat in cross-section and preferably composed of steel. A metal strip 9, of U shape in cross-section and provided at intervals with transverse openings 10, is loosely fitted within the said grooves 5, so as to engage the bow-springs. When this metal strip is placed in position within the grooves of the wooden strip, the pins 11 are driven into the wooden strip to pass through the transverse openings in the metal strip, thereby securing the strips together and permitting lateral adjustment of the metal strip.

In practice the weather-strip is secured to the jamb-strips of the door-frame, as shown at Fig. 1, by means of screws or nails passed through the openings 12 and are arranged in such position that when the door is closed the metal strip will be depressed sufficiently to cause actual contact at all points.

By the use of this strip no alteration in either the door or frame is required, and its construction is such as will enable it to be applied to any door-frame.

Having thus fully shown and described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The herein - described weather-strip for hinged doors, comprising a wooden strip having two longitudinal grooves extending along one edge, longitudinal depressions formed at intervals in the face of the central web or tongue between the grooves, a metal strip of U form in cross-section loosely fitted into said grooves, transverse slots formed at intervals within the walls of the metal strip, pins arranged in said wooden strip to pass through the transverse slots in the metal strip, and a bow-shaped spring loosely arranged within each of said depressions to engage with and press outwardly on said metal strip.

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

WILLIAM O. MIKESELL.

Witnesses:

RICHARD S. HARRISON,
FRANK MIKESELL.