I. F. A. A. Lynch,

Weather Strip,

No. 50,016, Patented Sept. 19, 1865.

Fig. 3.

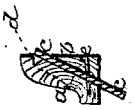
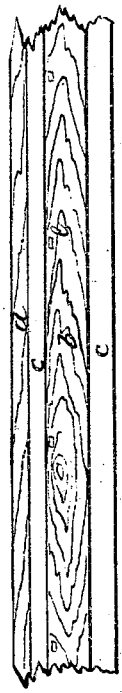


Fig. 1.

Fig. 2.



Witnesses.

Frederick Curtis.
F. P. Hale Jr.

Inventor.

Isaac F. A. A. Lynch

by his Attorney.
R. H. Eddy

UNITED STATES PATENT OFFICE.

ISAAC F. A. A. LYNCH, OF ROXBURY, MASSACHUSETTS.

IMPROVEMENT IN WEATHER-STRIPS FOR DOORS.

Specification forming part of Letters Patent No. **50,016**, dated September 19, 1865.

To all whom it may concern:

Be it known that I, ISAAC F. A. A. LYNCH, of Roxbury, in the county of Norfolk and State of Massachusetts, have invented an Improved Weather-Strip for Doors or Windows; and I do declare the same to be fully described in the following specification and represented in the accompanying drawings, in which—

Figures 1 and 2 are front and rear views, and Fig. 3 is a transverse section, of it.

This weather-strip, like others in use, consists of a strip or belt of vulcanized india-rubber secured to and in a groove of a strip of wood and extending below it, so that when the said strip of wood is affixed to the lower part of a door the projecting part of the india-rubber strip may have its edge resting on the threshold of the door-frame, the purpose of the same being to prevent air and dust from making their way underneath the door and into the apartment to which such door may belong.

In carrying out my improvement, the strip of india-rubber or its equivalent is to go through its holder and extend therefrom in opposite directions, in manner as represented in Figs. 2 and 3, wherein the elastic strip of rubber is shown at *c c*, and the holder is composed of two strips of wood, *a b*, having the rubber between them and connected together and to it by brads *e e* driven into them. The part *a* of the holder is to be rabbeted lengthwise in rear of the upper external portion of the rubber strip, the whole being triangular in section, and denoted at *d* in Fig. 3. This rabbet, when the weather-strip is laid against a door and confined thereto by screws, enables the said upper external portion of the strip *c c* to fall back and allow the rear surfaces of the parts *a b* to be brought into close contact with the door. The upper extension part of the strip *c c* by its elasticity will be borne close against the door, and thus prevent any current of air from rushing into the apartment by passing downward between the door and the parts *a b*.

It is frequently the case, when the common weather-strip (consisting of a strip of wood and a strip of india-rubber confined together by the rubber being inserted in a groove of the strip of wood) is affixed to a door, that more or less air will descend through the joint between the strip and the door, but with my improvement such air will be excluded or be prevented from so passing.

What I claim is—

1. The improved weather-strip as made with the strip of elastic material or india-rubber *c c* to project in opposite directions from the lower and rear sides of the holder, substantially in manner as described.

2. In combination with the elastic strip *c c*, to project from the rear part of the holder, as described, the rabbet *d*, made in the holder and arranged with reference to the said elastic strip, substantially as specified.

ISAAC F. A. A. LYNCH.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.