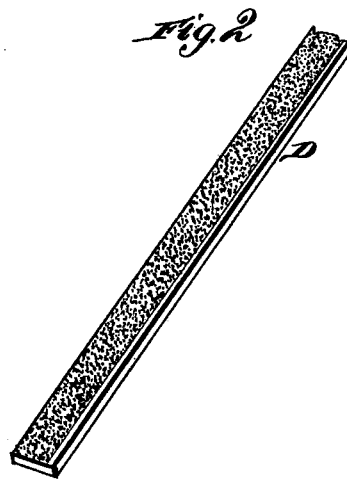
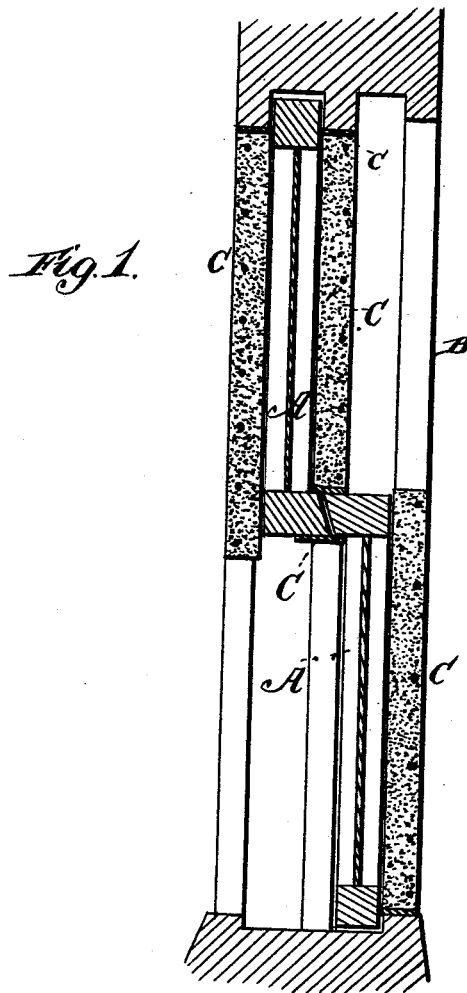


S. ROEBUCK.  
Weather-Strip.

No. 221,614.

Patented Nov. 11, 1879.



WITNESSES  
*Robert Emmett*  
*Charles Page*

INVENTOR  
*Samuel Roebuck*  
*Gihmore, Smith & Co.*  
ATTORNEYS

# UNITED STATES PATENT OFFICE.

SAMUEL ROEBUCK, OF NEW YORK, N. Y.

## IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **221,614**, dated November 11, 1879; application filed September 13, 1879.

*To all whom it may concern:*

Be it known that I, SAMUEL ROEBUCK, of New York, in the county of New York and State of New York, 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 construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a window-frame, showing my strip applied; and Fig. 2 is a perspective view of the weather-strip detached.

The nature of this invention relates to an improved weather-strip, as will be fully described in the following specification.

In carrying out my invention I take rubber packing, whether in sheets or strips, and size the same by applying what is known to the trade as "size." I then thoroughly coat it with varnish. Of this I may use elastic or any other suitable kind. After this I dust on as much flock as the varnish will hold. When sheets are thus prepared suitably-proportioned weather-strips are cut from it. When strips are prepared in like manner nothing remains but to cut them into suitable length, when required, and secure them to the casing of a window or door.

Referring by letter to the annexed drawings, A designates a window; B, the casing, and C the weather-strips.

The salient features of my invention are as follows: The size applied to the packing keeps the oil of the varnish from saturating or soaking into the rubber. This is an important feature, as otherwise—that is to say, if the size were left out and the varnish applied—the packing would be rendered brittle, and hence be liable to break or crack; but by first sizing a thick coating of some flexible varnish may be used, and hence a greater quantity of flock be held by the same.

In some cases I propose leaving an edge of the strip unvarnished, so as not to hold the flock. When this strip is used the raw edge will make a better joint, the packing along

such line being more flexible, smoother, and fitting closer to the wood than the rough flock. A strip thus prepared I have shown in Fig. 2 and designated by D.

In preparing packing as above it may be treated with size, varnish, and flock, upon one or both sides, as desired.

Among other advantages may be mentioned the following: The size and varnish effectually prevent all smell of the rubber. This is a great desideratum in heated chambers.

If plain rubber packing were used as weather-strips the odor from the same would be obnoxious; but by the use of size and varnish this is remedied.

The flock upon the surface where it is nailed to the wood effectually prevents rain, dust, or snow from entering a compartment where my weather-strip is used, since, being fibrous, it necessarily stops up any crack that might occur between the nails or fastenings.

The flock may be of any color, and hence adapted to suit the colors of apartments.

Strips thus prepared may be washed without either injuring the color or the texture of the flock, as the size and varnish render the flock water-proof.

In some instances paint may be substituted for the varnish, though I prefer, generally, the varnish.

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

1. As an article of manufacture, a weather-strip of rubber packing sized, varnished, and coated upon its surface with flock, and with or without its wearing-edge so treated, substantially as set forth.

2. The combination, with a weather-strip of rubber packing, of a coating of size and paint or varnish to suppress the odor of the rubber, as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

SAMUEL ROEBUCK.

Witnesses:

WM. H. ROWE,  
JAMES J. SHEEHY.