

(No Model.)

C. SAVILLE.
WEATHER STRIP.

No. 565,038.

Patented Aug. 4, 1896.

Fig. 1

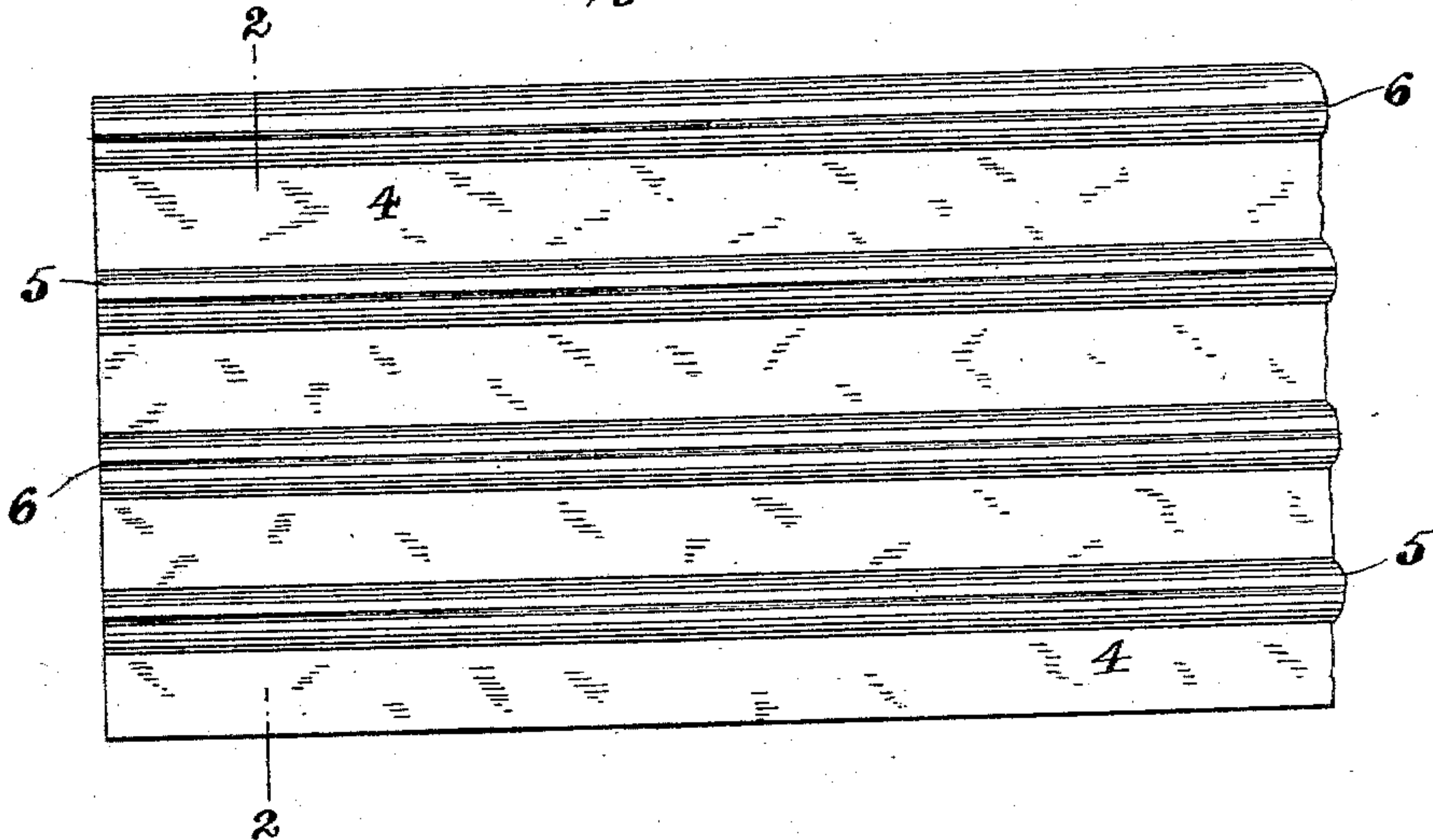


Fig. 2

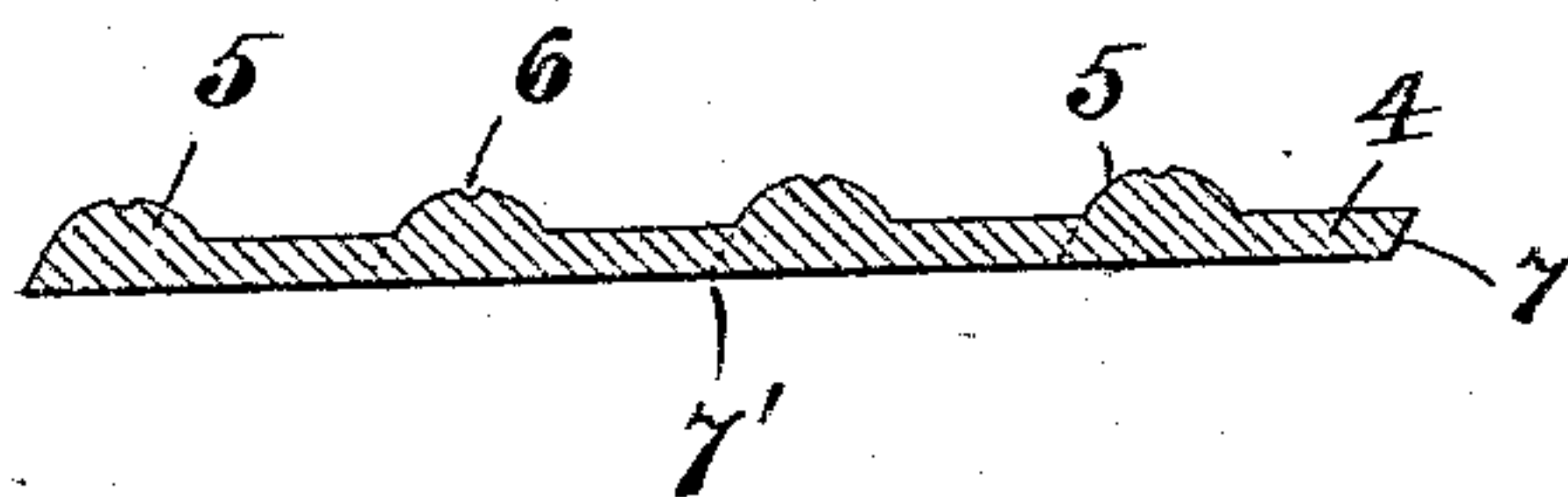


Fig. 3



Witnesses:

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UNITED STATES PATENT OFFICE.

CLIFFORD SAVILLE, OF NEW YORK, N. Y., ASSIGNOR TO WILLIAM RIGBY,
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WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 565,038, dated August 4, 1896.

Application filed May 4, 1894. Serial No. 510,104. (No model.)

To all whom it may concern:

Be it known that I, CLIFFORD SAVILLE, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Weather-Strips, of which the following is a specification.

My invention has reference to weather-strips, and the object of my present improvement is to devise a weather-strip made wholly of vulcanized rubber and having certain characteristics which render it specially effective for the uses intended, and which shall possess all the advantages of the "metallic" weather-strip, so called, (which comprises a flexible strip or cushion of rubber provided with a backing of metal through which the nails are driven to secure the weather-strip in place around the window or door, the said metallic backing firmly holding the rubber strip or cushion in proper relation to the window or door frame, and the edge of the rubber cushion or strip embraced by the metal being generally provided with a reinforcing means adapted to prevent the separation of the metal and rubber,) without the disadvantages due to its rigid condition and liability of its becoming unfit for use by the separation of the rubber from the metal in shipping and handling the same.

My improved weather-strip is shown in the accompanying drawings, wherein like parts are designated in the several views by like numerals of reference, the said drawings forming a part of this specification.

In the drawings, Figure 1 is a plan view of a sheet comprising a number of lengths of weather-strip made according to my invention, the weather-strip being produced in this form to economize its manufacture. Fig. 2 is a cross-section on the line 2 2 of Fig. 1, and Fig. 3 is an end elevation of a strip embodying my invention.

Referring to the drawings, 4 indicates that part of the weather-strip adapted to cover or bear against the opening or joint to be protected, and which corresponds to the flexible rubber element of the metallic weather-strip referred to, and 5 indicates the attaching portion through which the nails are driven and

which corresponds to the metal backing of the old type of weather-strip. The parts 4 and 5 will be made of any desirable dimensions.

The part 4 of the strip which is to protect the joint or opening will be formed only of such thickness as is necessary to insure its performing the function intended, and the thickness may vary according to the variations in the widths of said protecting parts. The supporting part 5 of the strip is made rounding or convex, as shown, whereby the requisite body is secured without undue width. This shape of the supporting part 5 provides the necessary purchase for the attaching-nails and besides renders the structure attractive when in place. On the top of the supporting part 5 it is provided centrally with a slight longitudinal indentation 6, which serves as a guide for the insertion of the nails.

The bearing edge 7 of the protecting portion 4 of the strip is beveled inwardly in order that when the weather-strip is nailed in place the said edge may cushion more snugly against the window or door than it would if made square.

For economy of manufacture my improved weather-strip will be made in sheets of such widths and lengths as may be convenient, one of such sheets being shown in Fig. 1 of the annexed drawings. The process of manufacturing articles of rubber of this nature is so well understood that no description is here given of the same. When made in sheets, the several weather-strips will be severed from one another on the dotted lines indicated at 7' in the cross-section, Fig. 2, thus leaving the edges of the protecting portion 4 beveled inwardly and the edges of the convex supporting portions 5 conforming to the slope of that side of the same.

I am aware of the patent of W. Miller, No. 99,932, dated February 15, 1870, and do not claim anything therein shown and described. My invention differs from that of Miller in that the flat protecting portion of the strip is formed with a beveled cushioning edge, and the convex portion is provided in the process of manufacture with a longitudinal indentation.

Having thus described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

As a new article of manufacture, a weather-
strip consisting wholly of flexible vulcanized
5 rubber and comprising a flat portion 4 hav-
ing an inwardly-beveled cushioning edge, as
7, and a supporting portion 5 which is round-
ing or convex and is provided in its top sur-
face with a central longitudinal indentation.
10 or nail-guide, as 6, the whole forming an in-

tegral structure of rubber, substantially as
set forth.

Signed at New York, in the county of New
York and State of New York, this 1st day of
May, A. D. 1894.

CLIFFORD SAVILLE.

Witnesses:

WILLIAM RIGBY,
J. E. M. BOWEN.