

No. 887,249.

PATENTED MAY 12, 1908.

I. L. HALL.
WEATHER STRIP.
APPLICATION FILED JULY 16, 1908.

Fig. 1.

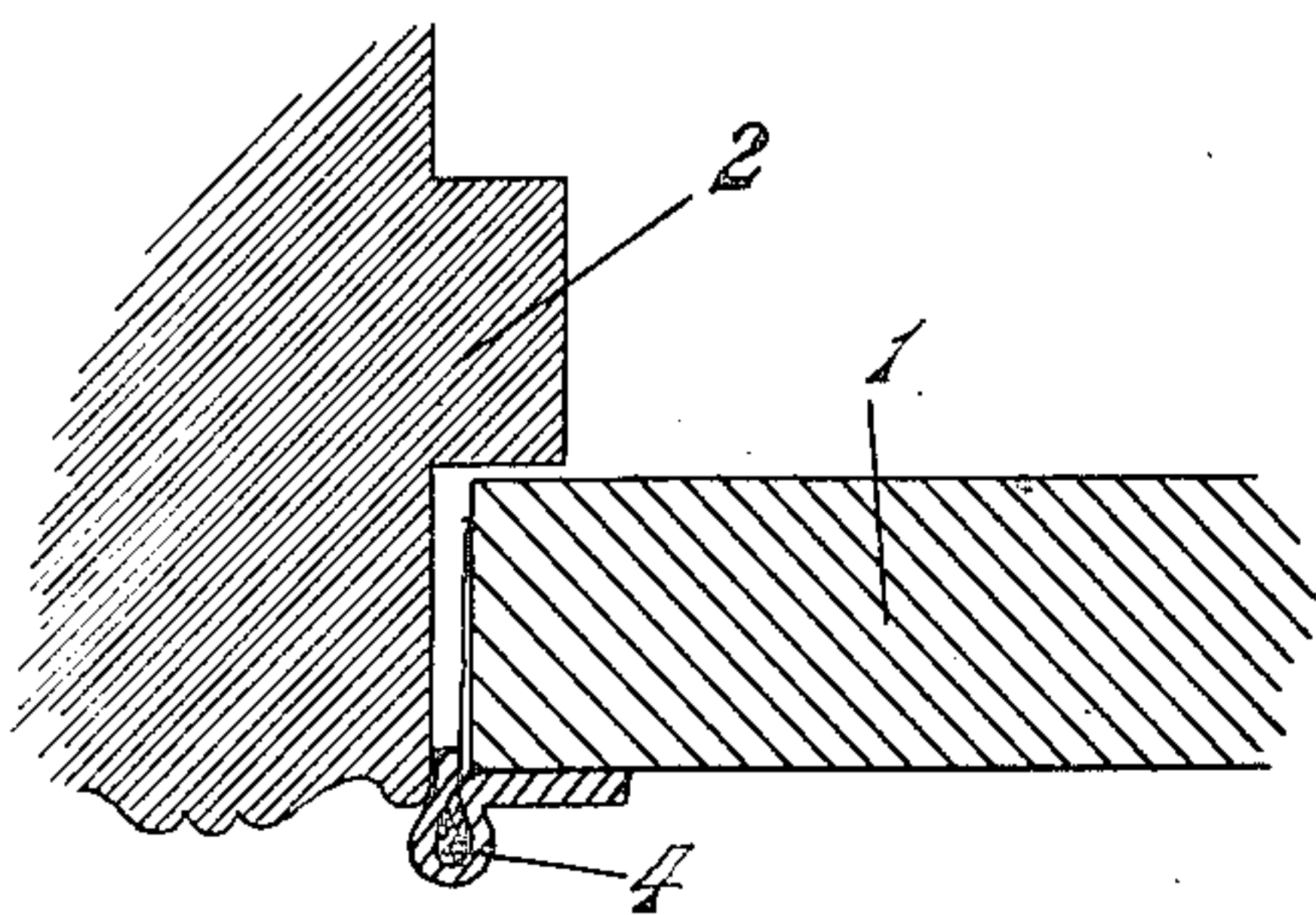
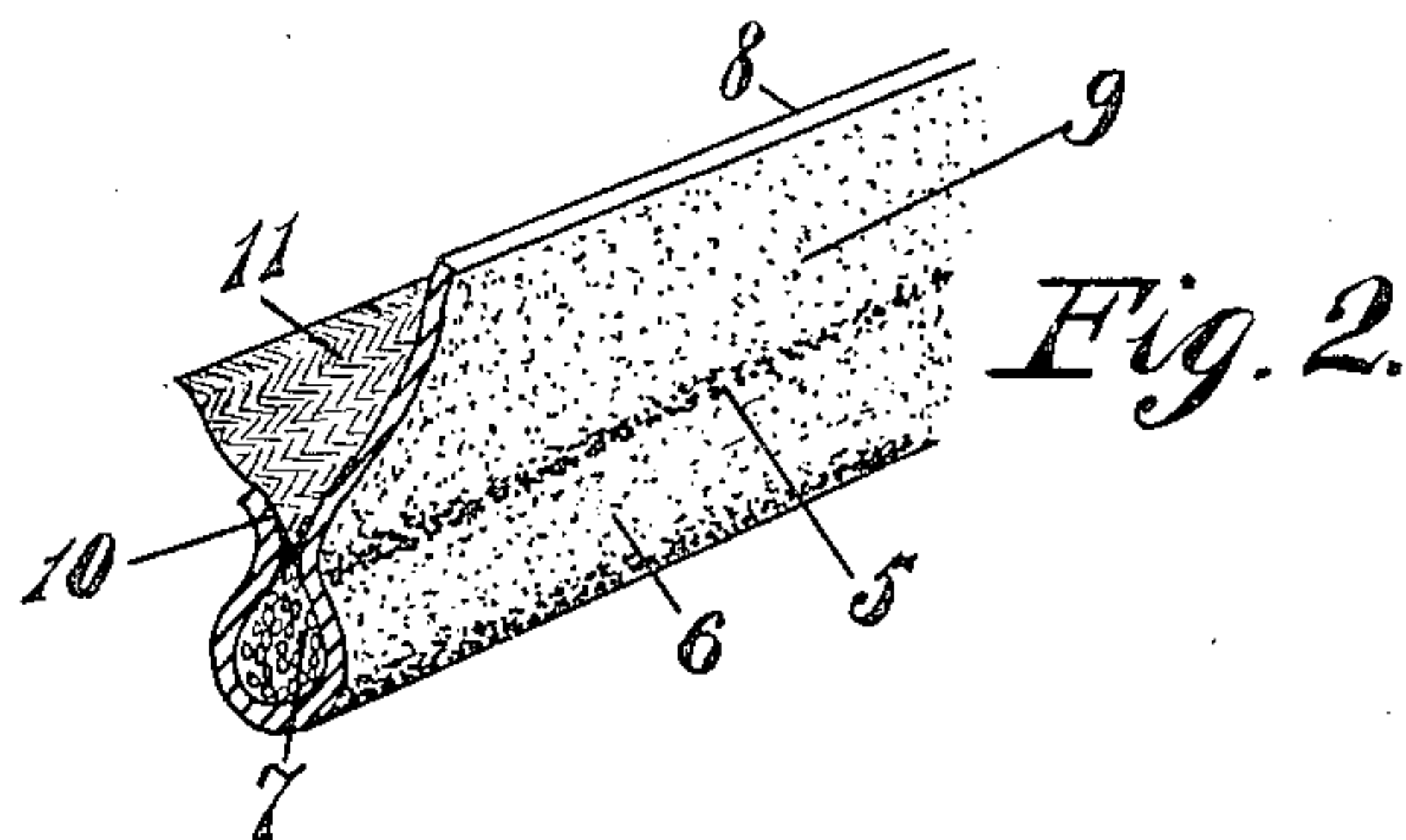
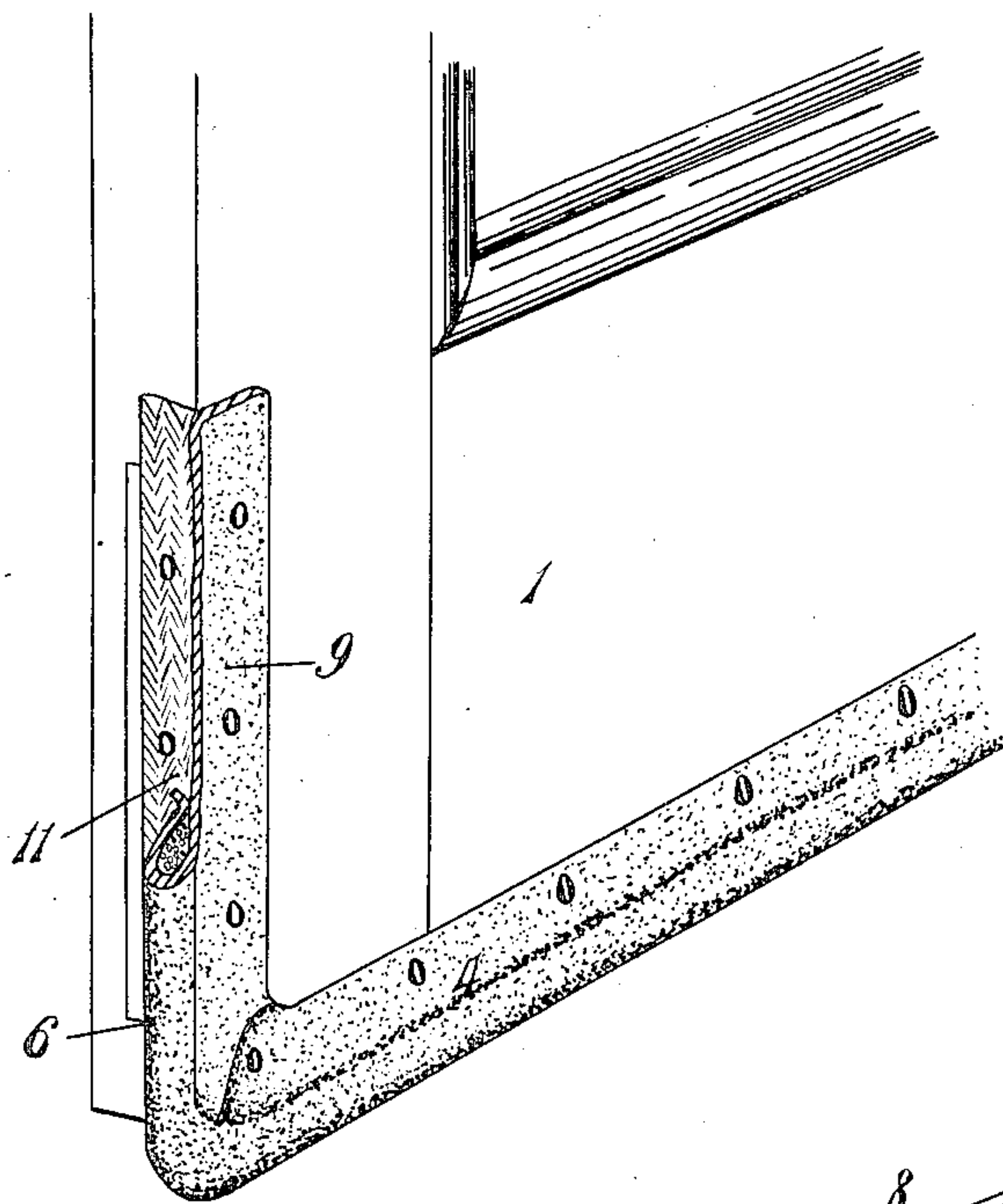


Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

IRVING LINCOLN HALL, OF MONTREAL, QUEBEC, CANADA, ASSIGNOR OF ONE-HALF TO
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WEATHER-STRIP.

No. 887,249.

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To all whom it may concern:

Be it known that I, IRVING LINCOLN HALL, of the city of Montreal, in the Province of Quebec and Dominion of Canada, have invented certain new and useful Improvements in Weather-Strips for Doors, Windows, and the Like, of which the following is a full, clear, and exact description.

My invention relates to weather strips for doors, windows, and the like, and its object is to provide an efficient and inexpensive device which may be readily attached to said doors or windows to prevent cold air, snow, or dust from entering around the cracks thereof.

The device consists essentially of a strip of felt, or other suitable material, stitched into the form of a tube, which tube is filled with a fibrous material such as jute. In the preferred form of my invention, the felt is bent around the filling so that one edge of the strip extends beyond the line of stitching in a broad flap, while the other end remains close to the line of stitching. When the tube is being sewed, a strip of thin, closely woven material, such as canvas or rubberized tape, is inserted between the meeting portions of the felt so as to form a second flap of approximately the same width as the felt flap.

In the drawings which illustrate my invention:—Figure 1 is a perspective view showing the method of attaching the weather strip to the frame of a door. Fig. 2 is a perspective view of the preferred form of the device. Fig. 3 is a horizontal section of a door showing the weather strip attached to the door frame to close the vertical crack.

Referring to the drawings, 1 designates a door and 2 the door jamb. The weather strip consists of a strip of preferably chemically prepared felt, stitched as at 5 to form a tube 6. This tube is filled with a rope of jute or other suitable fibrous material 7. One edge 8 of the felt strip extends beyond the line of stitching 5 forming a wide flap 9, while the other edge 10 is maintained close to the line of stitching. A strip of canvas or rubberized tape 11 is inserted between the two portions of felt so that one edge of the strip 11 is caught in the stitching 5, while the remainder projects outwardly in the form of a flap of approximately the same width as the flap 9. The flap 11 is preferably made of comparatively thin material of closely woven texture in order that it may lie flat

along the edge of a door or window and not interfere with proper closing of the same.

The application of my device consists in tacking the flap 11 to the edge of a door and allowing the flap 9, which may also be tacked if desired, to extend at right angles thereto thus allowing the filled tube to close the cracks, as illustrated. The weather strips may also be attached in the same manner to the door jamb. Where it is not convenient to attach the strips with the flaps at right angles, they may be folded together and attached with the rubberized strip on the outer side. It will be obvious that the closer texture of the rubberized strip will enable it to hold the tacks better than the felt. It will also be apparent that a weather strip constructed as herein described will be inexpensive, durable, and efficient. A further advantage is that the flexibility of such a strip enables it to be used in very small cracks. The elastic nature of the filling prevents the tube from becoming flattened by wear.

While I have shown the preferred form of the construction and application of my device, it will be obvious that several modifications may be made without effecting the utility of my invention.

Having thus described my invention so that the same may be readily understood by those skilled in the art to which it appertains, what I claim and desire to secure by Letters Patent is:—

1. A weather strip comprising a filled tube, an integral flap projecting therefrom, and a secondary flap of thinner fabric secured to said tube.

2. A weather strip comprising a filled tube having an integral flap projecting therefrom, and a secondary thinner flap stitched to said tube.

3. A device of the class described comprising a felt flap formed at one side into a tube, an elastic filling for said tube, and a separate thinner flap secured to said tube.

4. In a device of the class described, a felt strip formed into a tube at one side thereof, a filling for said tube, and a secondary thinner flap of closely woven texture secured to said tube.

5. A weather strip of the class described, formed by turning over one edge of a strip of fabric into a tube, filling said tube with elastic material, and attaching a secondary flap of thin closely woven material thereto.

6. A weather strip comprising a tube, an integral flap projecting from said tube, a secondary thinner flap secured to said tube adjacent the integral flap, and an elastic filling
5 for said tube.

7. A weather strip comprising a tube formed by stitching one edge of a strip of fabric to a portion of said fabric distant from the opposite edge thereof, an integral flap
10 projecting from said tube, a separate flap secured to the weather strip by the stitching of said tube, and an elastic filling for said tube, substantially as described.

8. A device of the class described comprising a strip of thick fabric one edge of which is
15 formed into a tube, the other edge remaining in the form of a flap, a filling for said tube, and a secondary flap of thinner material secured to said tube adjacent the first flap.

In witness whereof I have hereunto set my
20 hand in the presence of two witnesses.

IRVING LINCOLN HALL.

Witnesses:

E. R. MCKENZIE,
STUART R. W. ALLEN.