

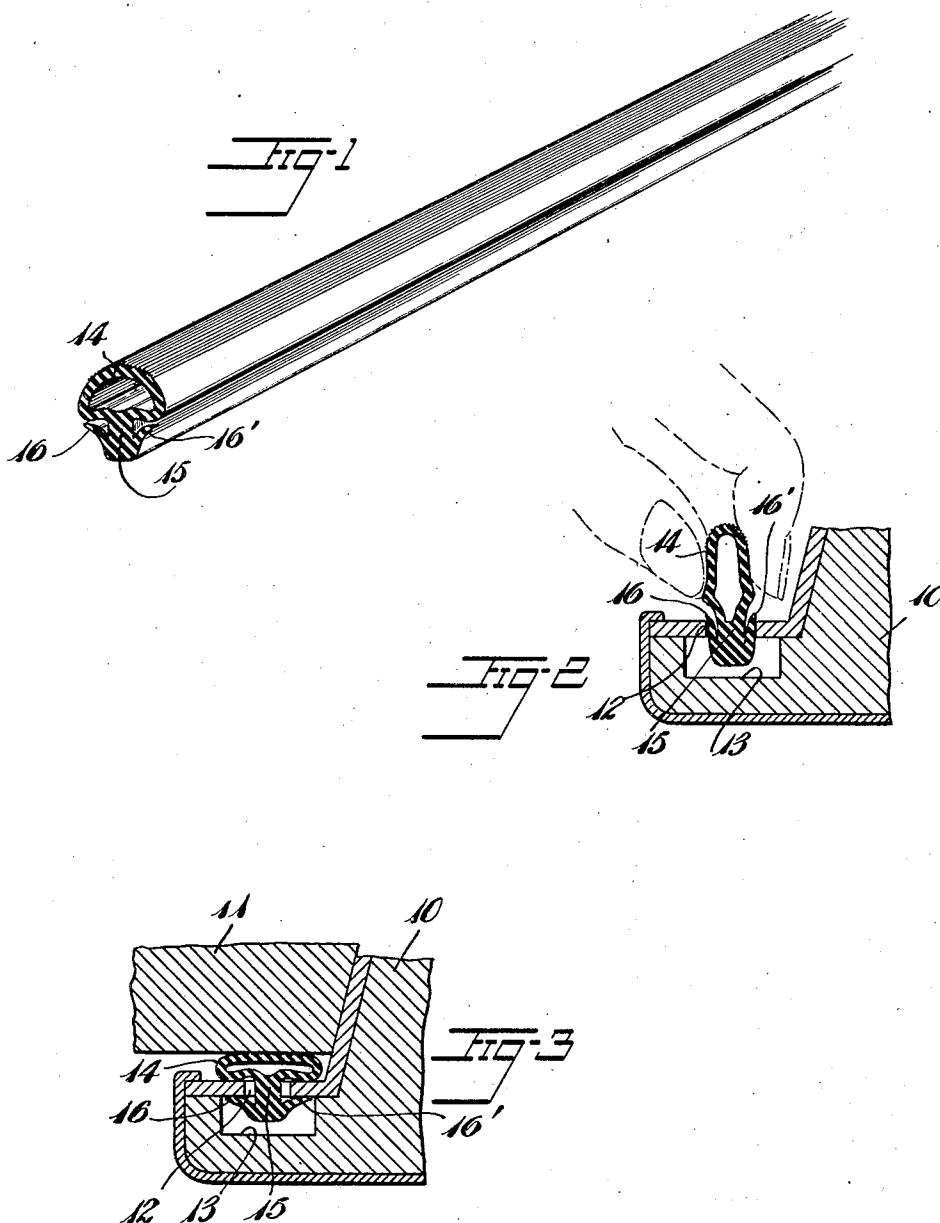
April 23, 1935.

G. H. SCHANZ

1,998,791

SEALING STRIP

Filed June 27, 1934



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UNITED STATES PATENT OFFICE

1,998,791

SEALING STRIP

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Application June 27, 1934, Serial No. 732,636

4 Claims. (Cl. 20—69)

This invention relates to sealing strips such as are used to seal refrigerator doors or other closure members.

The principal objects of the invention are to provide efficient sealing of the closure member, and to facilitate placing and removal of the strip.

Other objects will appear from the following description and the accompanying drawing.

On the drawing:

Fig. 1 is a perspective view of a preferred form of the sealing strip.

Fig. 2 is a view in section showing a portion of the closure member and illustrating the method of applying the strip, the sealing strip being shown in section.

Fig. 3 is a view in section showing the closure member and its jamb with the sealing strip in engagement therewith where the closure member is closed.

Referring to the drawing, the numerals 10 and 11 designate respectively the closure member and the jamb. The closure member comprises a body portion adapted to enter the jamb and a flange adapted to extend thereover when the closure member is in closed position. The flange is formed to provide a slot 12 extending along the flange and about the opening to be closed. An enlarged recess 13 is formed back of the slot 12 to define with the slot a T-shaped channel in which the sealing strip may engage.

The sealing strip comprises a compressible cushion portion 14, preferably hollow and D-shaped in cross-section. An integral web 15 projects from the tubular portion along the back thereof and terminates in a pair of rearwardly extending retaining lips 16, 16', which normally stand away from the web 15 so as to engage the margins defining the T-shaped recess when the sealing strip is in place, but capable of being deflected toward the web when the sealing strip is being inserted. The sealing strip is formed of vulcanized rubber and conveniently may be formed by the extrusion method.

When the sealing strip is to be placed in position it is forced through the narrow slot 12 as illustrated in Fig. 2, the cushion portion being flattened sidewise to facilitate placing of the strip. When the lips 16, 16' have passed into the channel 13, the cushion portion is released and assumes the position shown in Fig. 3.

The retaining lips 16, 16', when the strip is in place, constantly press against the under face of slotted member and effectively seal the slot all along the extent of the strip.

I claim:

1. A sealing strip for sealing the joint between a pair of relatively movable members, said strip comprising a cushion adapted to lie along the joint and to be compressed between the members, a web attached to said cushion continuously along its extent to enter a slot provided in one of the members, and resilient lip means attached to said web and adapted by deflection to pass through the slot and therebeyond to regain its normal attitude thereby retaining the strip in said slot.

2. A sealing strip for sealing the joint between a pair of relatively movable members, said strip comprising a cushion adapted to lie along the joint and to be compressed between the members, a web attached to said cushion continuously along its extent to enter a slot provided in one of the members, and a pair of resilient retaining lips attached to said web only at its margin remote from said cushion and adapted to lie along said web when the web is pressed through the slot and therebeyond to regain their normal attitude to engage the slot throughout the extent of the strip.

3. A sealing strip for sealing the joint between a pair of relatively movable members, said strip comprising a hollow rubber cushion adapted to lie along the joint and to be compressed between the members, a web integral with said cushion and extending therealong to enter a slot in one of the members, and resilient means hingedly attached to said web within the slot for retaining the strip in the slot.

4. A sealing strip for sealing the joint between a pair of relatively movable members, said strip comprising a hollow rubber cushion adapted to lie along the joint and to be compressed between the members, a web integral with said cushion and extending therealong to engage a slot in one of the members, and a pair of resilient sealing lips hingedly attached to said web and adapted to seal the slot throughout the extent of the strip.

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DISCLAIMER

1,998,791.—*George H. Schanz*, Akron, Ohio. SEALING STRIP. Patent dated April 23, 1935. Disclaimer filed August 11, 1937, by the assignee, *The B. F. Goodrich Company*.

Hereby enters this disclaimer to claims 1, 3, and 4 of said Patent No. 1,998,791.
[*Official Gazette September 7, 1937.*]