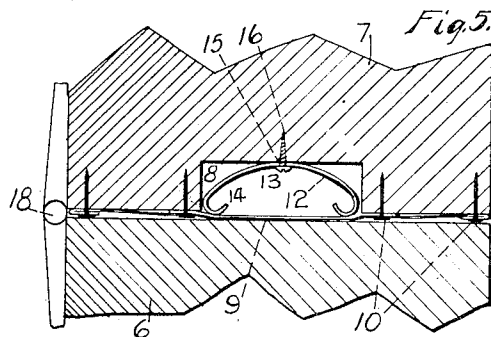
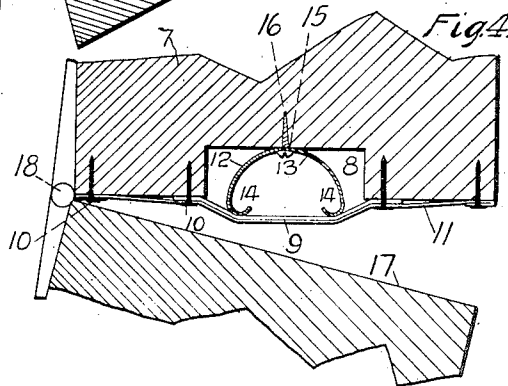
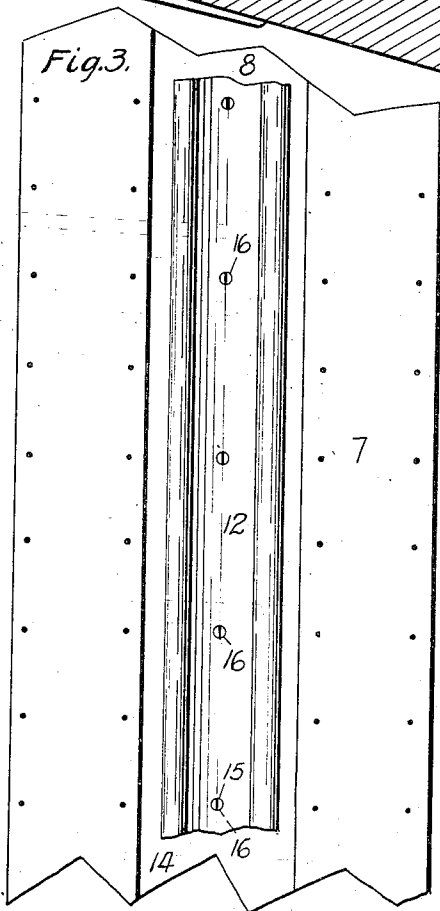
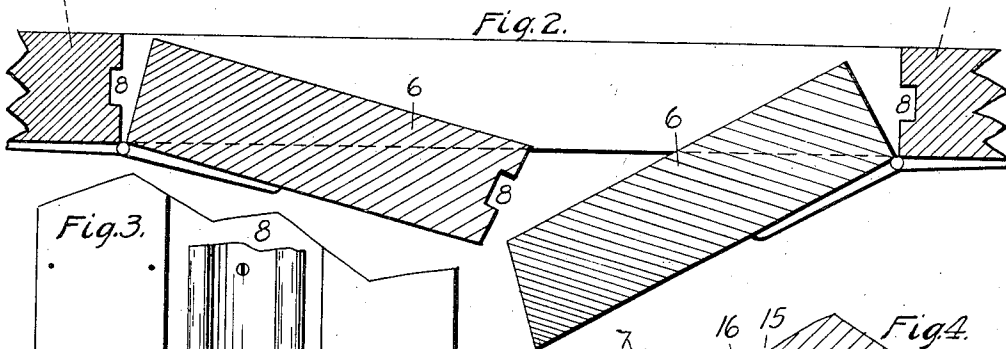
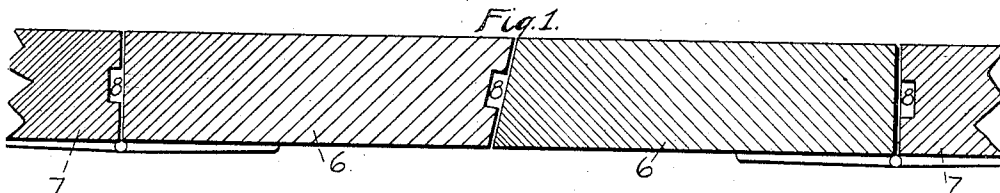


H. F. SCHWARTZENBERG.
 MEANS FOR SEALING THE EDGES OF REFRIGERATOR DOORS.
 APPLICATION FILED NOV. 9, 1912.

1,126,885.

Patented Feb. 2, 1915.



WITNESSES

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UNITED STATES PATENT OFFICE.

HARRY F. SCHWARTZENBERG, OF CHICAGO, ILLINOIS, ASSIGNOR TO WILLIAM H. MINER, OF CHICAGO, ILLINOIS.

MEANS FOR SEALING THE EDGES OF REFRIGERATOR-DOORS.

1,126,885.

Specification of Letters Patent.

Patented Feb. 2, 1915.

Application filed November 9, 1912. Serial No. 730,523.

To all whom it may concern:

Be it known that I, HARRY F. SCHWARTZENBERG, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Means for Sealing the Edges of Refrigerator-Doors, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to improvements in means for sealing the edges of refrigerator doors.

The object of my invention is to provide a simple and efficient means for sealing refrigerator doors, and one of reliable operation.

In the accompanying drawings forming a part of this specification Figure 1 is a horizontal section of a pair of refrigerator doors and the adjacent door posts, (partly broken away), showing the doors and posts prepared to receive my means of sealing, the doors being in closed position. Fig. 2 is a similar view showing the doors in partially open position. Fig. 3 is an enlarged view showing in front elevation a portion of the surrounding door-frame with my means of sealing in position therein. Fig. 4 is a partial horizontal section of a door, door-post and my sealing device with the door in open position. Fig. 5 is a partial horizontal section of a door, door-post and my sealing device with the door in closed position.

In the drawings 6, 6 are hinged doors, 7, 7 the wall of the door-frame surrounding the door. The vertical upright portions of this wall are more properly termed the posts, the horizontal lower portion the threshold, and the horizontal upper portion the lintel. As my invention is equally applicable to the entire surrounding wall of the door I term the whole or any portion thereof herein "the surrounding wall of the door-frame."

8 is a longitudinal channel to receive the backing strip for the packing, 9 is the yield-link packing, secured to the member 7 and extending across the groove or channel 8 therein, and is secured thereto by wire brads 10 in connection with the flexible facing strip 11.

12 is the backing strip, and consists of a

single trough like spring made of suitable material, preferably spring steel, and consisting of the curved member 13 having the longitudinal edges thereof 14 turned inwardly. The said backing strip 13 is adapted to be secured within the groove 8, and is provided with the perforations 15 to receive the screws 16, which secure the spring within the groove 8 substantially along the longitudinal center thereof. The curved edges 14, 14 of the spring 12 provide two lines of contact between the edge 17 of the door and the backing strip or spring 12. When the door is in open position, as illustrated in Fig. 4 of the drawings, the spring 12 presses the yielding packing outwardly, and upon the closing of the door the packing is pressed first against the edge 17 of the door by the edge of the spring 12 nearest the door hinge 18, as this side of the spring yields with the closing of the door until the edge 17 of the door contacts with the edge of the spring farthest removed from the door hinges. The packing between the two edges of the spring remains somewhat slack, and the said packing is pressed firmly against the meeting edge of the door at the two edges of the spring, thus forming two lines of pressure of the packing against the edge of the door and forming an air space within the trough of the spring and also between the two contacting edges thereof.

I claim:—

In a refrigerator door sealing device, the combination with a door and an adjacent member having meeting edges when the door is in closed position, one of said edges being provided with a groove extending longitudinally thereof, a flexible facing strip bridging said groove, and means for pressing said strip yielding outwardly along two spaced parallel lines, said means including a spring member substantially semicircular in cross section, the edges thereof being rounded and engaging the inner sides of said strip, said spring member being flattened when the door is closed, said rounded edges being thereby forced farther apart.

HARRY F. SCHWARTZENBERG.

Witnesses:

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