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PACKING

Filed April 6, 1928

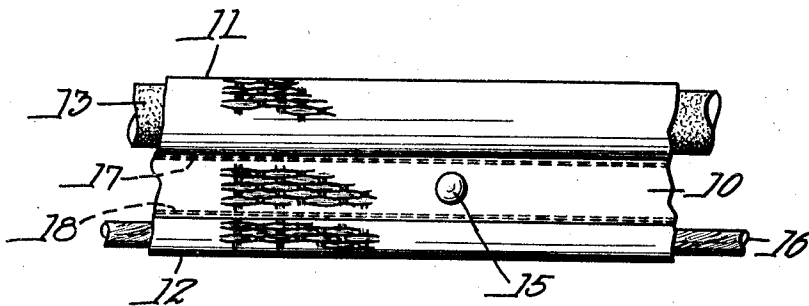


Fig. 1.

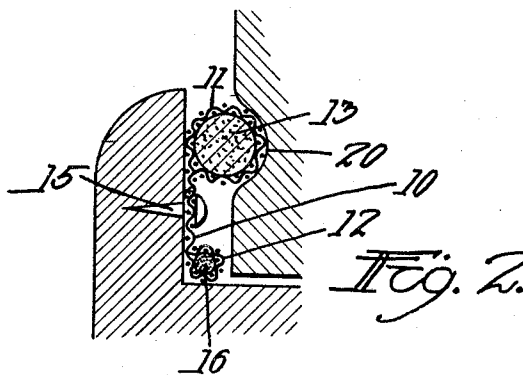


Fig. 2.

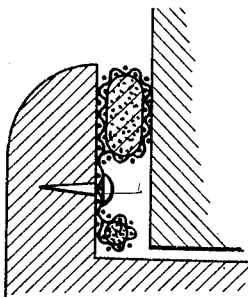


Fig. 3.

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PACKING

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This invention relates to a strip packing suitable for use around refrigerator doors and in fact, other doors where it is desired to keep out moisture and air.

5 The principal objects of the invention are to provide a construction in the form of a woven webbing having, along one edge, a very materially thickened and yielding portion for resting in the grooves, with which
10 usually the door casings are provided, and permitting the exertion of considerable pressure upon it without breaking down or destroying the material of which it is made; to provide a durable construction and to provide
15 it with means whereby it can be secured along a flat surface by a series of headed fastenings and with means for preventing these fastenings from tearing out at the edge of the woven fabric.

20 Other objects and advantages of the invention will appear hereinafter.

Reference is to be had to the accompanying drawings in which

25 Fig. 1 is a face view of a piece of packing constructed in accordance with this invention and showing a fastening device;

Fig. 2 is a sectional view of the packing showing it in position in a door;

30 Fig. 3 is a cross sectional view of another piece of packing which constitutes a modification, showing it as woven.

There are several places in which the proper packing for placing between a door and its casing and the like has been difficult to obtain and particularly the packing of refrigerator doors has been the source of much trouble. This invention is designed to provide a better packing for this and analagous purposes than has been designed heretofore.

40 For this purpose I weave a webbing on a narrow fabric loom, which in one operation of weaving comes out in the form of the packing that I desire. This packing comprises a central web 10 and, preferably, two
45 tubular portions 11 and 12. The tubular portion 11 has woven therein and constituting a part of the webbing, a continuous piece of soft rubber 13, preferably in the form of a cylinder or rod and of a thickness several
50 times as great as the thickness of the central

web 10. This preferably is round in cross section and the webbing surrounds it tightly and covers it on all sides. This rod is adapted to be received in a groove 20 on the casing and door, if applied to such a casing, and to
55 be flat against the door. It thoroughly insulates the interior and prevents the passage of moisture and air as will be seen later. This constitutes a very material feature of the packing.

60 The webbing 10 is employed for receiving headed fastening devices as nails, staples, or tacks 15. These fastening devices are inserted through this strip of webbing 10 along a line
65 near the center thereof and secure the webbing in position. The yielding element 13 prevents the heads of the nails engaging the casing, even after long use.

70 In Figs. 1 and 2 a second thickened edge is provided along the tape by weaving into the opposite edge of the fabric a cord 16 of any desired character which increases the thickness of the fabric at that edge. This
75 cord 16 acts to prevent the nails or tacks pulling out of the ordinary selvage edge of the fabric.

80 In the process of weaving, the fabric is line stitched along two lines 17 and 18 to cause the web 10 to remain flat clear up to the circumference of the two tubular selvages of the web. It comes from the loom with the
85 two cords centrally located, but is forced out of this position when applied, the thickened edges then lying on one side of the fabric.

90 The whole article after coming out of the loom in the form above indicated is treated or coated with latex or other water-proof material. The latex is practically pure rubber and fills the pores of the woven fabric and prevents the passage of water and air
95 through the packing. Any material having those properties and which is non-adhesive can be used for this purpose. The rubber rod 13 affords a yielding element for receiving the pressure of the door when closed,
100 which will retain its original shape after long use.

It is found in practice that this packing is particularly desirable in the case of refrigerator doors and that it is very durable and

efficient for the purpose of preventing the passage of air and moisture and that it is put on easily and will stay in place for a long time, particularly when made in the way illustrated in the preferred form shown.

Although I have illustrated and described only two forms of the invention, I am aware of the fact that other modifications can be made therein by any person skilled in the art without departing from the scope of the invention as expressed in the claims. Therefore, I do not wish to be limited in these respects, but what I do claim is:—

1. As an article of manufacture, a packing for reception between two surfaces, one of which is flat and which are spaced apart, consisting of a piece of narrow fabric woven with a flat single ply central web and a tubular enlargement along each edge constituting the two selvages of the fabric, one enlargement being of larger diameter than the other and both formed entirely on one side of the fabric so that it can be attached to the flat surface, a soft rubber core filling the larger enlargement and a core filling the smaller one, and both enlargements being located directly between said surfaces.

2. As an article of manufacture, a packing for reception between two surfaces, consisting of a piece of narrow fabric woven with a flat central web and a tubular enlargement along each edge constituting the two selvages of the fabric, both formed entirely on one side of the fabric, a soft rubber core filling the larger enlargement and a core filling the smaller one.

In testimony whereof I have hereunto affixed my signature.

GEORGE B. CUTTING.

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