

Sept. 11, 1928.

1,683,941

E. J. WIRFS

GASKET

Filed Oct. 12, 1925

Fig. 1.

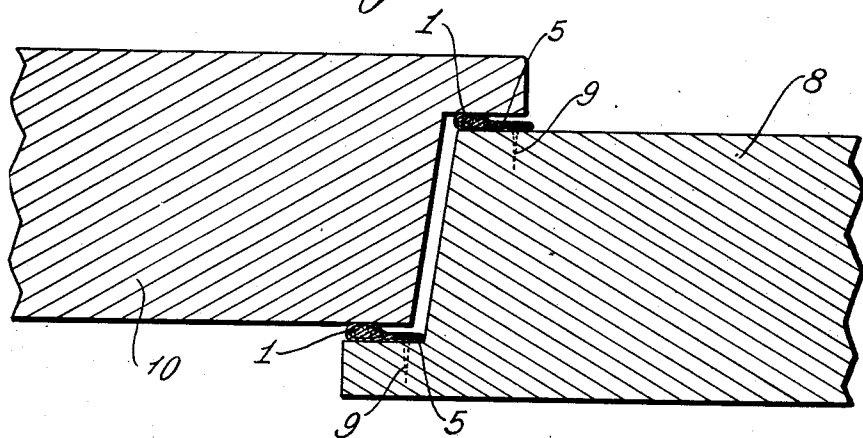


Fig. 2.

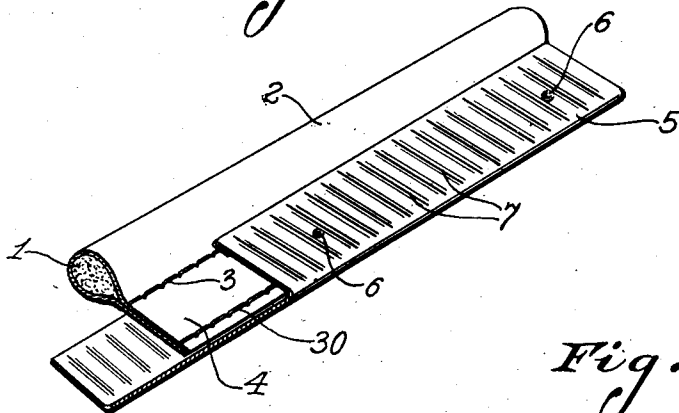


Fig. 4.

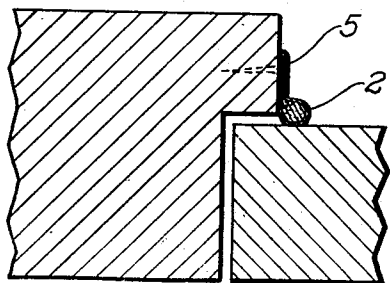
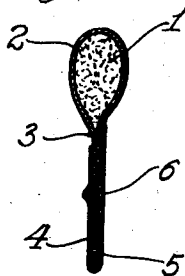


Fig. 3.



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# UNITED STATES PATENT OFFICE.

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## GASKET.

Application filed October 12, 1925. Serial No. 62,176.

This invention pertains to gaskets such as are used for sealing the doors of refrigerators and the like.

One of the objects of this invention is to provide a gasket in the form of a strip which may be applied around the door openings of refrigerators and the like, and which will provide a permanent and pliable packing for sealing the door opening against the passage of air therethrough.

Another object is to provide such a packing strip which will retain its shape and its pliability.

Another object is to provide a metal bound strip which will be flexible so that it may be wound upon reels.

Further objects will appear from the following description taken in connection with the accompanying drawing in which:

Figure 1 is a sectional view of part of a refrigerator door illustrating the application of packing embodying this invention.

Figure 2 is a perspective view of a gasket or packing strip embodying this invention.

Figure 3 is a cross section of the strip shown in Figure 2, and

Figure 4 is a view similar to Figure 1, but showing another application of this invention.

In accordance with this invention an elongated body of yielding packing material 1, such as loose yarn or rope in one or more strands is enclosed in a covering of flexible, pliable material such as rubberized cloth which is also water proof. The packing is folded into the middle of the covering strip which is closed therearound so as to form a tubular enclosing portion 2. The enclosing strip is then sewed along the packing with a line of stitches 3 so as to completely enclose the packing and to retain the same in the tubular portion 2. The remainder of the enclosing strip forms a free edge 4 outside of the line of stitching 3, and secured by stitches 30. This forms a flexible and pliable packing strip, the tubular portion 2 with its enclosed packing forming a soft pad which may be compressed between engaging surfaces so as to seal the space therebetween.

In order to rigidly support this packing strip and to provide a durable and permanent binding for the same as well as to provide for securely fastening the strip to its support, a metal binding 5 is applied by folding a strip of metal over the free edge 4 of the enclosing

strip as shown in Figure 2. After the binding has been folded over the free edge punctures or indentations 6 are formed in the binding so as to secure the same to the free edge 4 and also to provide nailing holes through which the strip may be tacked to its support.

As it is convenient to roll a strip of this kind on a reel for handling the same, it is desirable to render the binding 5 more or less flexible in order to permit such reeling. Accordingly, the binding strip 5 is indented or corrugated as indicated at 7. By passing a knurling or indenting tool along the binding a series of indentations is formed therealong which renders the strip flexible and capable of being wound upon a reel. At the same time, the strip may be straightened out to lie flat along a straight surface.

It will be seen, therefore, that this invention provides an improved packing for refrigerator doors and the like. The packing 1 enclosed in the tubular portion 2 provides a soft padding, while the stitches 3 retain the packing 1 in the fold of the covering strip and prevent the same from creeping out toward the free edge 4. This stitching also provides that the free edge 4 remains flat so that it may be retained within the binding 5 without distorting said binding. The indentations 7 permit the strip to bend so as to provide for winding upon a reel.

In Figure 1 the packing is shown fixed to the wall 8 of a refrigerator by means of tacks 9 passing through the perforations 6. The strip is tacked along the edge at the door opening so as to be engaged by the door 10 at one or more surfaces when the door is closed. The tubular portion 2 then forms a pad which is compressed between the engaging surfaces of the door and the wall. In Fig. 4 the gasket is used under edgewise pressure.

It is obvious that various changes may be made in the details of construction without departing from the spirit of this invention; it is, therefore, to be understood that this invention is not to be limited to the specific details shown and described.

Having thus described the invention, what is claimed is:

1. A gasket comprising, a roll of soft fibrous material, an envelope of flexible water-proof fabric enclosing said roll and having its free edges extended to provide a tacking

lap, an inside line of stitches passing through the fabric plies along said roll and adapted to confine the same in order to provide a tight but yielding packing, and a flexible metal strip united with and extending along over said tacking lap and said line of stitches adapted to reinforce the same, said strip extending transversely of the lap on the underside, to the confining line of stitches so as to permit free movement of said roll when the gasket is in place.

2. A gasket comprising, a roll of soft fibrous material, an envelope of flexible waterproof fabric enclosing said roll and having its free edges extended to provide a tacking lap, an inside line of stitches passing through the fabric plies along said roll and adapted to confine the same in order to provide a tight but yielding packing, and a flexible metal strip folded over and united with said tacking lap so as to reinforce the same and close the outer edge thereof, said strip extending transversely of the lap on the underside, to the confining line of stitches so as to permit free movement of said roll when the gasket is in place.

3. A gasket comprising, a roll of soft

fibrous material, an envelope of flexible waterproof fabric enclosing said roll and having its free edges extended to provide a tacking lap, an inside line of stitches passing through the fabric plies along said roll and adapted to confine the same in order to provide a tight but yielding packing, and a metal strip united with and adapted to reinforce said tacking lap, said strip being corrugated so as to permit rolling of the gasket and adapted to stiffen the tacking lap.

4. A gasket comprising, a roll of soft fibrous material, an envelope of flexible waterproof fabric enclosing said roll and having its free edges extended to provide a tacking lap, an inside line of stitches passing through the fabric plies along said roll and adapted to confine the same in order to provide a tight but yielding packing, and a flexible metal strip folded over and united with said tacking lap so as to reinforce the same and close the outer edge thereof, said strip being corrugated so as to permit rolling of the gasket and adapted to stiffen the tacking lap.

In testimony whereof I affix my signature this 18th day of September, 1925.

EDWARD J. WIRFS.