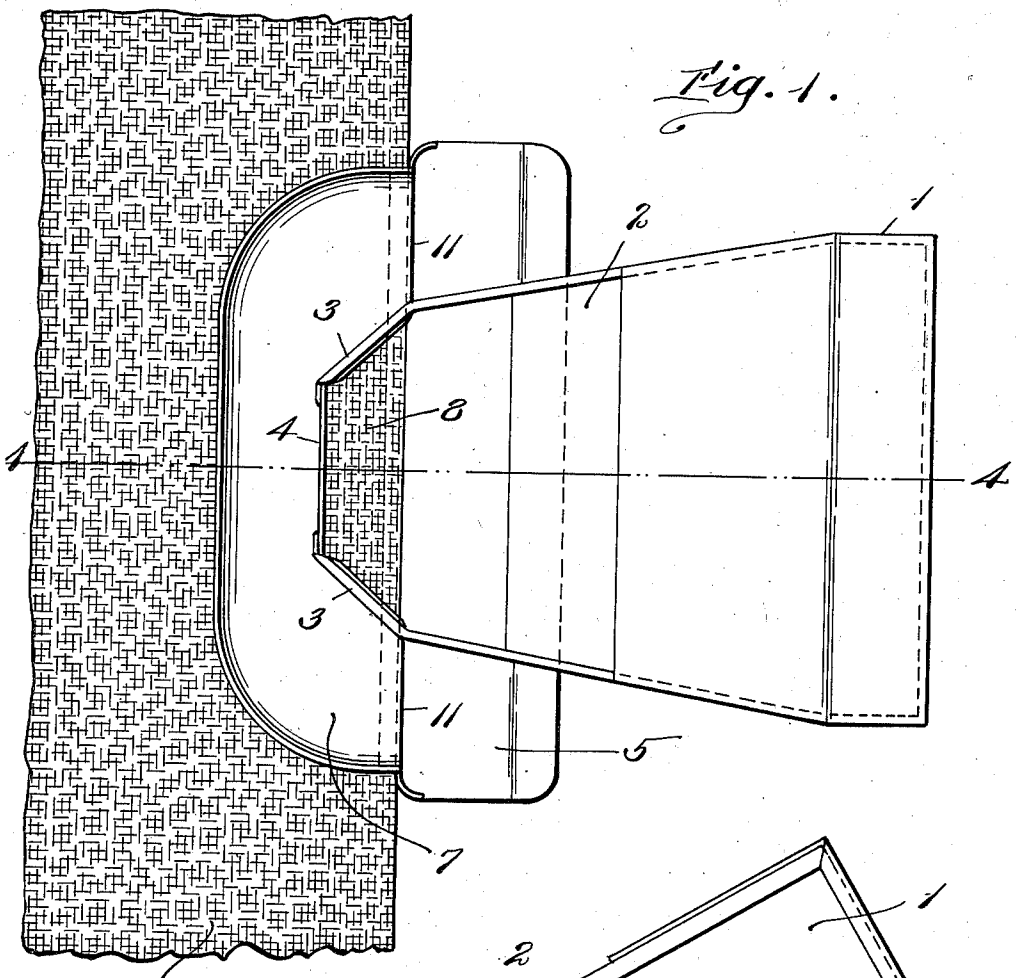
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EDGE SEALER FOR FABRICS

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Fig. 1.



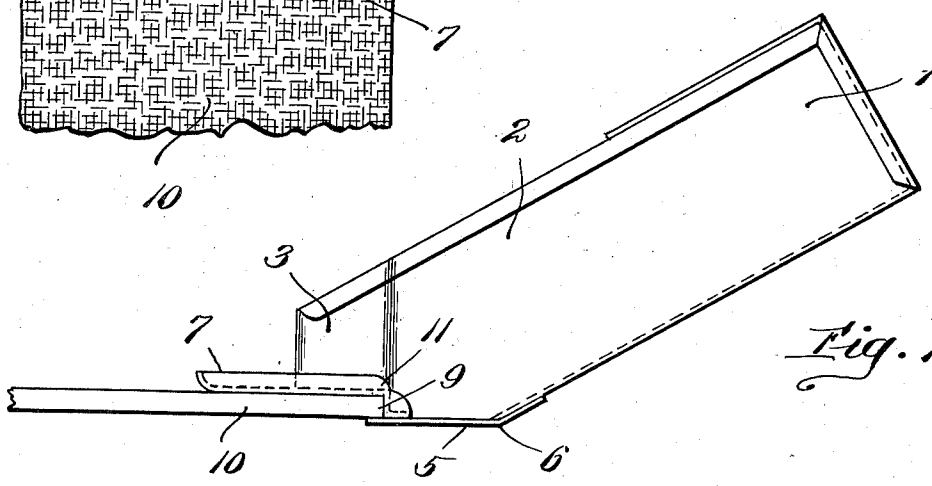




Fig. 2.

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Fig. 3.

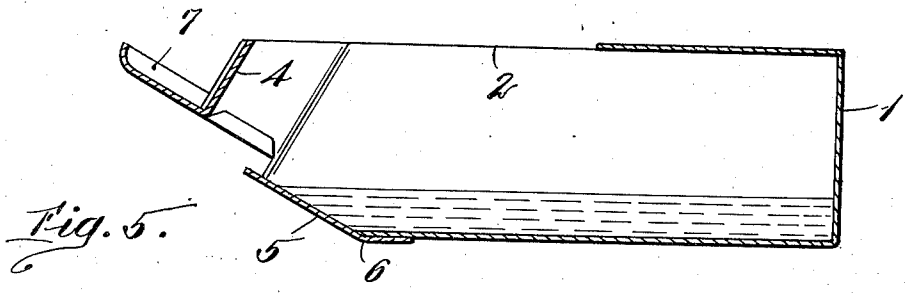
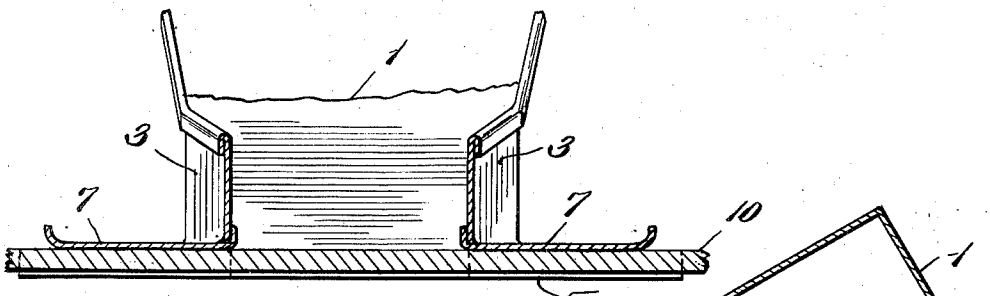



Fig. 5.



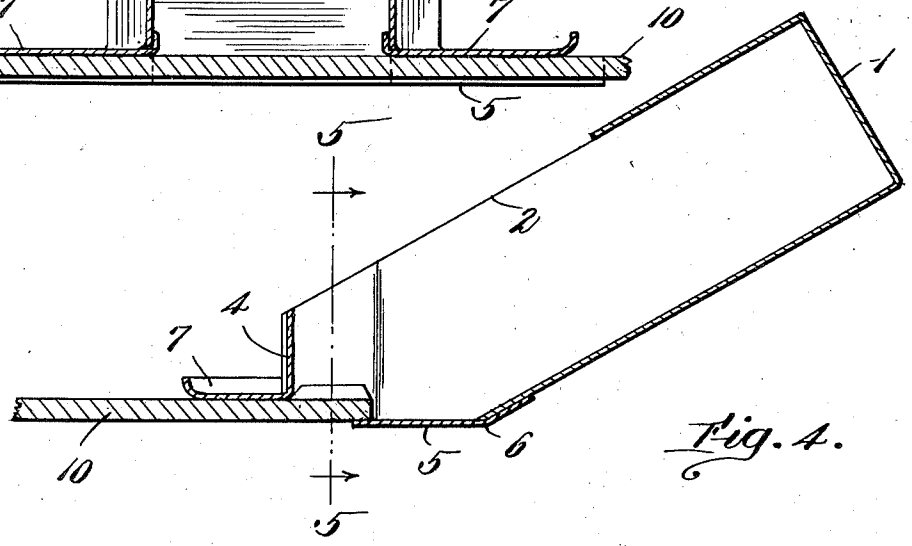




Fig. 4.

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# UNITED STATES PATENT OFFICE

2,080,397

## EDGE SEALER FOR FABRICS

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Application October 23, 1935, Serial No. 46,286

10 Claims. (Cl. 91—62.5)

This invention relates to edge sealers for fabrics, and while it is adapted for the sealing of the edges of various kinds of fabrics, it is more especially applicable to the edges of floor coverings such as carpets and rugs, and will be described in this connection.

When a carpet or rug is cut the thread structure is liable to disintegrate, that is, the threads, and especially those of the pile forming type are liable to ravel and one of the objects of the present invention is to provide a simple hand operated device for sealing the edges of carpets and rugs whether cut or uncut, by the application of an adhesive. The adhesive may be varied to suit the circumstances of use, but as one good form thereof pyroxylin may be employed.

The invention and novel features thereof will best be made clear from the following description and accompanying drawings of one good form thereof.

In the drawings:—

Fig. 1 is a plan view showing the sealer in operative position with respect to the edge of a carpet;

Fig. 2 is a side elevation of the sealer in operative position;

Fig. 3 is a longitudinal section of the sealer showing the latter in its inoperative position;

Fig. 4 is a section on the line 4—4 of Fig. 1; and

Fig. 5 is a section on the line 5—5 of Fig. 4.

The sealer is constituted as a container for the sealing material and has a delivery opening at one end while the edge of the carpet or rug is received within a groove or guide-way formed as part of the sealer, and in order that the sealing material may be evenly and smoothly distributed along the edge of the carpet or rug there is formed at each end of the groove or guide-way a spreader which extends at each side of the delivery opening of the sealer when the latter is in operative position, as indicated in Fig. 1, the result being that as the spreader is moved along the edge of the carpet or rug and delivers the sealing material thereto the sealing material will be spread or smoothed along the edge of the carpet or rug.

Carpets and rugs may be of the pile fabric type and be cut within the selvage limits of the carpet or rug to fit a reversely cut strip of carpet or rug and at such cut points the thread structure, especially the pile, is liable to ravel and the sealer of the present invention is especially advantageous in treating carpets or rugs along the cut portion thereof to prevent raveling.

More specifically stated the sealer comprises a container 1 preferably formed as shown, provided with a charging opening 2 which is normally open, as shown. Beyond the charging opening 2 the side walls of the sealer are turned towards each other as at 3 and spanning the opening between the portions 3 of the walls is a dam 4 which defines one portion of the delivery opening, as will more fully appear.

Secured to the lower wall of the container 1 is a member 5 which is turned or bent at 6 to extend towards the delivery end of the sealer, and secured to the delivery end of the sealer is a plate 7 which normally rests upon one side of the carpet or rug when the sealer is in operative position, as indicated in Figs. 1 and 2, the construction being such that between the end portion of the member 5 and the cut away portion of the plate 7 there is formed a delivery opening 8 through which the sealing material may pass when the sealer is in operative position, as indicated.

It is expedient in most cases that the member 5 which is formed as a plate shall extend beyond the sides of the sealer, as indicated in Fig. 1, and likewise the plate 7 is similarly extended.

As will be noted in Figs. 1, 2, and 3, the rear end of the plate member 5 and the front portion of the plate 7 form between them a groove or guide 9 to receive the edge portion of the carpet or rug 10 when the sealer is in place.

From the construction thus far described it will be apparent that when the sealer is in operative position, with the rug inverted as indicated in Figs. 1 and 2, the edge portion of the carpet or rug will be received in the groove or guide formed by the plates 5 and 7 and sealing material will be delivered through the opening 8 on to the edge portion of the carpet or rug and over a limited portion of the back surface thereof, as the sealer is moved along the edge or cut edge of the carpet or rug.

It is important that the sealed edge shall be smooth and to this end the groove or guide which receives the edge of the carpet or rug is carried beyond the delivery opening at each side thereof and one of the walls of the plates 5 or 7 (7 as shown) is extended to close the front wall of the guide or groove, as at 11. This condition is probably best shown in Fig. 2, the construction being such that at each side of the delivery opening of the container there is produced a presser which travels over the freshly laid sealing material and secures the desired result.

When the sealer is in operative position, as

indicated in Figs. 1 and 2, and is held by the manual operation of the operative, the sealer will be in an inclined position, with the plate 5 resting on the floor, so that the sealing material will flow through the delivery opening 8, but when the sealer is removed from operative position it will assume the position as indicated in Fig. 3, with the result that the flow of sealing material through the delivery opening will be interrupted.

The sealer of the present invention is a simple device, operated manually to deliver sealing material through the delivery opening on to the edge portion of a fabric such as a carpet or rug, whether cut or uncut, so that raveling of the thread structure is entirely obviated.

What is claimed is:—

1. An edge sealer for sealing the edge threads of floor coverings, such as carpets, comprising a container for holding the sealing material having an unobstructed delivery opening for delivering the sealing material to the carpet edge, and a carpet edge engaging portion communicating with the delivery opening so that as the sealer is pressed against and moved along the carpet edge the sealing material will be delivered to seal the edge threads against raveling.

2. An edge sealer for sealing the threads at the edge of floor coverings, such as carpets, comprising a container for holding the sealing material having an unobstructed delivery exit for delivering the sealing material to the carpet edge, and a carpet edge engaging portion constituted as a guide communicating with the delivery exit and extending beyond each side of the delivery exit so that as the sealer is pressed against and moved along the carpet edge the sealing material will be delivered thereto to seal the threads along the edge from raveling.

3. An edge sealer for sealing the edge threads of floor coverings, such as carpets, comprising a container for holding the sealing material having an unobstructed opening for delivering the sealing material directly to the carpet edge, and a carpet edge engaging portion constituted as a guide to embrace the carpet edge and communicating with the delivery opening so that as the sealer is engaged with and is moved along the carpet edge the sealing material will be deposited and spread along the edge and seal the threads from raveling.

4. An edge sealer for sealing the edge threads of floor coverings, such as carpets, comprising a container for holding the sealing material and having an unobstructed delivery opening, and a spreader for the sealing material at the end of the delivery opening that the sealing material may be laid smoothly along the carpet edge, a lip above a lip below said unobstructed opening, said lips embracing the carpet edge and forming a guide for the sealer when the carpet and sealer are placed in cooperative relation.

5. As an article of manufacture, an edge sealer for carpets and rugs having a pile tread surface, comprising a container for the sealing material, two lips at the delivery end of the container, one of which is adapted to extend beneath the carpet or rug and the other of which rests on top of the carpet or rug so that the two lips form a channel or guide between them for pile threads along the edge of the carpet or rug, and the container having an unobstructed delivery opening communicating with the channel between the two lips to deliver the sealing material directly to the pile threads along the edge of the carpet or rug.

6. As an article of manufacture, an edge sealer for carpets and rugs having a pile tread surface, comprising a container for the sealing material, two lips at the delivery end of the container, one of which is adapted to extend beneath the carpet or rug and the other of which rests on the carpet or rug so that the two lips form a channel or guide between them for the edge of the carpet or rug, and the container having an unobstructed delivery opening communicating with the channel between the two lips to deliver the sealing material direct to the pile threads along the edge of the carpet or rug and a spreader at the end of the delivery opening for laying the sealing material smoothly along the edge of the carpet or rug.

7. As an article of manufacture, an edge sealer for carpets and rugs, comprising a container for the sealing material and a delivery opening, a supporting element secured to and extending at an angle to the container adjacent the delivery opening, and forming one of the walls of the container.

8. As an article of manufacture, an edge sealer for carpets and rugs comprising an angular container for the sealing material having a normally open charging space and a delivery opening at one end of the container, a supporting element formed as one of the walls of the container and extending at an angle thereto so that when the container is in operative position with relation to a carpet or rug the sealing material will flow through the delivery opening on to the edge of a carpet or rug and when the container is removed from operative position and released the flow of the sealing material through the delivery opening will be automatically interrupted as the container assumes a flat position.

9. As an article of manufacture, an edge sealer for carpets and rugs comprising an angular container for the sealing material having an unobstructed exit opening at one end and two supports for the sealer at an angle to each other on one of which the container may rest when discharging the sealing material to the edge of a carpet or rug but when the sealer rests upon the other support the flow of the sealing material to the edge of a carpet or rug automatically ceases.

10. An edge sealer for sealing the edge threads of floor coverings, such as carpets, comprising a container for holding the sealing material having an unobstructed delivery opening for delivering the sealing material to the edge of the carpet and over a portion of the surface of the backing fabric adjacent the said edge, means limiting the extent of application of the material over the backing fabric inwardly from said edge, and carpet engaging means for wiping into the carpet the material so delivered to the edge and back surface of the carpet, as the sealer is moved along the carpet edge.

JEROME E. COOK.