Jan. 29, 1957 R. L. BROCKMEIER ET AL 2,779,044

RUFFLE MOP

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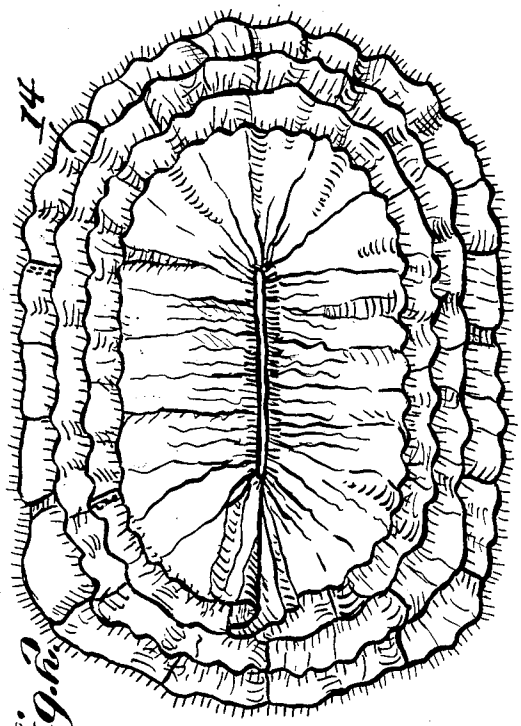


Fig. 2.

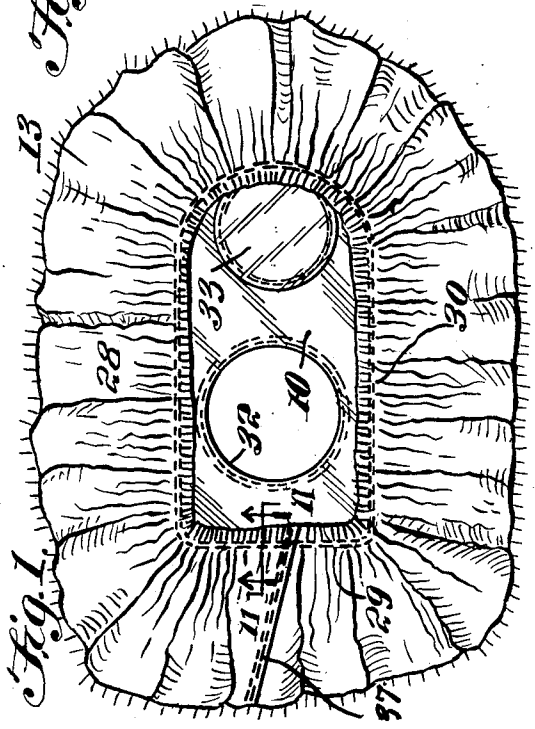


Fig. 1.

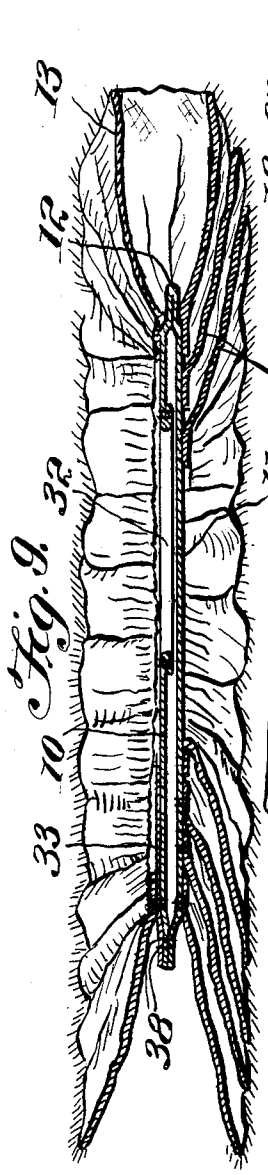


Fig. 9.

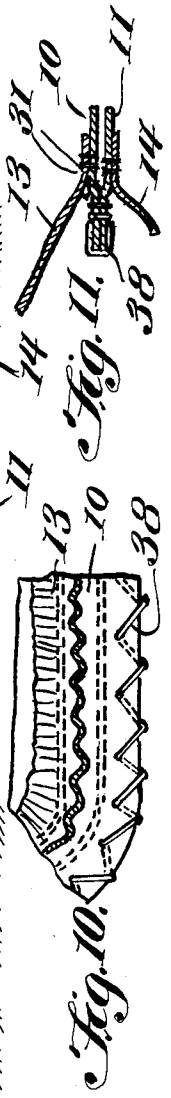


Fig. 11.

Fig. 10.

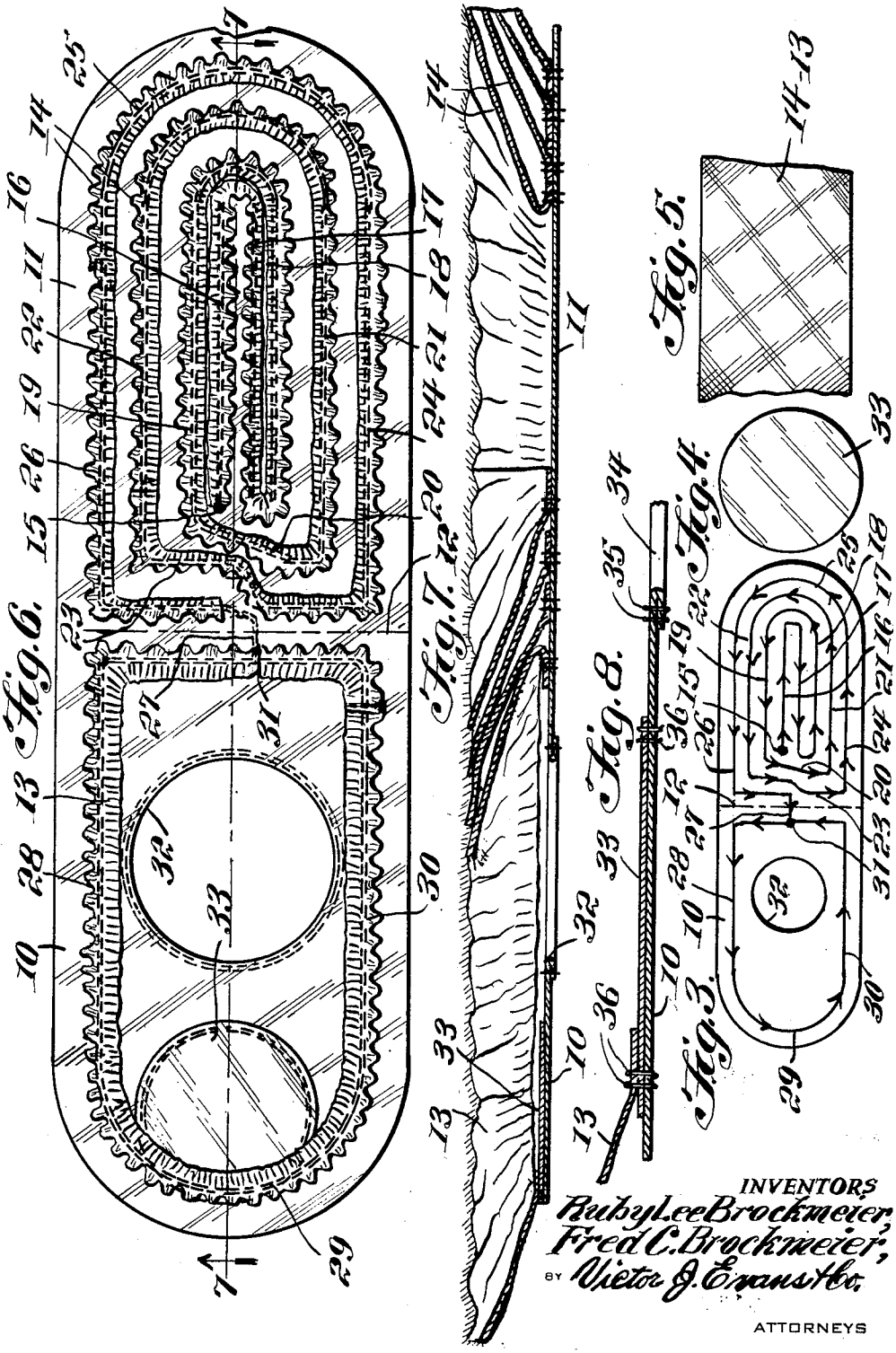
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RUFFLE MOP

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4 Claims. (Cl. 15—228)

This invention relates to a cloth mop generally referred to as a floor mop, and in particular a mop formed of heavy cotton drilling, unbleached muslin, cotton outing flannel, or other soft fabrics, and wherein the material is cut on a true bias to prevent raveling and wherein the layers of material are stitched together, on a particular pattern which provides progressive ruffles extended from the center to the edges and also a reinforced back to facilitate attaching the mop to a handle or the like.

The purpose of this invention is to provide a mop that may be used wet, dry, or saturated with oil, which provides an efficient dust catcher, and does not leave lint, and which may readily be washed and dried.

Various types of cloth and rag mops have been provided however, because of the loose construction of the materials, the life of a mop of this type is limited and it is difficult to assemble the layers of material so that a free or fluffy contacting surface is provided. With this thought in mind this invention contemplates a mop formed with a sheet of backing, a continuous strip of material secured thereto to provide a plurality of layers of the material with the layers progressing outwardly in overlapped relation to each other from a comparatively small area at the center to a larger area at the periphery and wherein with the material is cut on a true bias and the edges adapted to be fringed with successive washings, a mop having loosely assembled ruffles is provided that may readily be washed and dried and that is adapted to be used wet, dry or saturated with oil.

The object of this invention is, therefore, to provide means for forming a mop with heavy cotton drilling, cotton outing flannel, unbleached muslin or other soft fabrics wherein a plurality of fluffy ruffles are provided.

Another object of the invention is to provide an improved cloth mop wherein a plurality of layers of material are assembled and stitched on a definite pattern so that ruffles of gradually increasing sizes extend from a reinforced backing member.

A further object of the invention is to provide an improved mop formed of gradually enlarging ruffles which is of a simple and economical construction.

With these and other objects and advantages in view the invention embodies a cloth mop constructed with a plurality of progressively enlarging ruffles attached to a back member whereby the ruffles are loosely connected and, being cut on a true bias, do not ravel so that lint is not distributed by the mop and so that an efficient mop is provided.

Other features and advantages of the invention will appear from the following description taken in connection with the drawings wherein:

Figure 1 is a plan view of the improved ruffle mop.

Figure 2 is a view looking toward the under surface of the mop.

Figure 3 is a reduced detail showing the backing member to which the ruffles of the mop are attached, illustrating the lines of stitching required to attach the said ruffle layers to the back.

Figure 4 is a reduced detail showing a circular member cut from an opening in the backing member, said circular member being used as a reinforcing element for reinforcing the back as shown in Fig. 1.

Figure 5 is a detail showing a portion of one of the ruffles illustrating the thread of the material and showing that the material of which the ruffles are formed is cut on the true bias.

Figure 6 is an enlarged plan view showing the ruffles attached to the backing member in a position substantially at right angles to the backing member.

Figure 7 is a longitudinal section taken on line 7—7 of Fig. 6 also showing the parts in extended position.

Figure 8 is a detail showing the construction of one section of the backing member and illustrating an opening from which the circular member shown in Fig. 4 is cut, and also showing the said reinforcing member stitched to the backing member at the opposite end.

Figure 9 is an enlarged longitudinal section through the mop showing the parts assembled and illustrating the ruffles extended from a lower backing member and also from the edge of the upper backing member.

Figure 10 is a detail illustrating the stitches used to secure the upper section of the backing member to the lower section thereof.

Figure 11 is a cross section taken on line 11—11 of Fig. 1 illustrating the stitching connecting the lower backing member to the upper backing member.

Referring now to the drawings wherein like reference characters denote corresponding parts the improved floor or ruffle mop of this invention is formed with a backing sheet having an upper section **10**, a lower section **11** with a fold line **12** between the sections and, as illustrated in Fig. 9, the upper section **10** is provided with a continuous ruffle **13** and a continuous ruffle **14** is stitched to and extends from the lower section.

As illustrated in Fig. 3 the stitches holding the ruffle to the lower section **11** start at the point **15**, extending along the line **16**, returning on a line **17**, extending backwardly on a line **18**, forwardly on a line **19**, across one end on a line **20**, backward again on a line **21**, forwardly on a line **22**, across the end again on a line **23**, backwardly again on a line **24**, around the outer end on an arcuate line **25** and forwardly on a line **26**, the end of which extends across on a line **27** on the upper section **10**, which stitching extends along a line **28**, around the end on an arcuate line **29** and back on a line **30** to the point **31**.

The ruffle **14** follows the lines of stitching as shown in Fig. 6 whereby the continuous ruffle is formed by the stitching on the lower section of the backing and the ruffle **13** is formed on the upper section **10**.

A circular opening **32** is cut in the upper section **10** and a disc **33** which is removed from the opening, is stitched to the end of the section **10** thereby providing reinforcing for the arcuate end of the said upper section, as shown in Fig. 6. The material of the upper section **10** is folded under and stitched as indicated by the hem **34** and stitching **35**, as shown in Fig. 8, and the disc **33** is secured to the backing **10** with stitches **36** which also extend through the ruffle **13**, as shown.

The ends of the ruffle **13** are stitched together at the point **37**, in Fig. 1 and the edges of the upper and lower sections **10** and **11** are stitched together by stitching **38** as shown in Figs. 10 and 11.

The parts are formed with the backing member extended outwardly as illustrated in Figs. 3 and 6 and after the reinforcing disc and ruffles are secured to the back member, the member is folded on the line **12** and the edges stitched together with the stitches **38** as disclosed.

First the strip of material forming the ruffles is cut on the true bias and with the edges ruffed or fringed by successive washings a fringe is provided continuously on

the edges of the ruffles. The thread of the material being cut on the true bias as shown in Fig. 5, the material will not ravel and the mop may be used wet, or dry or used for applying oil, and the assembled parts of the mop may readily be washed and dried.

It will be understood that modifications may be made in the design and arrangement of the parts without departing from the spirit of the invention.

What is claimed is:

1. A ruffle mop including a strip of material adapted to form a ruffle and adapted to be secured to an elongated backing member having an upper section and a lower section for use as a mop, said ruffle being secured to the lower section of said backing member by stitching on a line positioned midway between the width of the backing member and extending longitudinally of said backing member with the stitching extended continuously back and forth on substantially parallel lines to form rows spaced from the center of the backing member, with the last row of stitching extended across the backing member from a point substantially midway between the ends of said backing member, around the edge of said backing member and back to the said point midway between the ends of said backing member, across the point midway between the ends of said backing member and around the edge of the upper section of the said backing member and back to the center thereof.

2. In a ruffle mop, the combination which comprises an elongated layer of material providing a backing member, said layer of material having arcuate ends, said layer of material being folded at the center providing upper and lower backing members, the upper backing member

having an opening therethrough, a continuous ruffle formed with material cut on a true bias stitched to the upper backing member on a line spaced from the edge thereof and a continuous ruffle formed in layers and with the layers stitched to the lower backing member, on spaced parallel longitudinally disposed lines and on lines extended adjacent the fold at the center of the backing member and around the outer arcuate ends thereof.

3. A ruffle mop as described in claim 2 wherein the edges of the upper and lower backing members are stitched together.

4. A ruffle mop as described in claim 2 wherein the edges of the ruffles are fringed.

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