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PACKAGE FOR ROLLED ARTICLES

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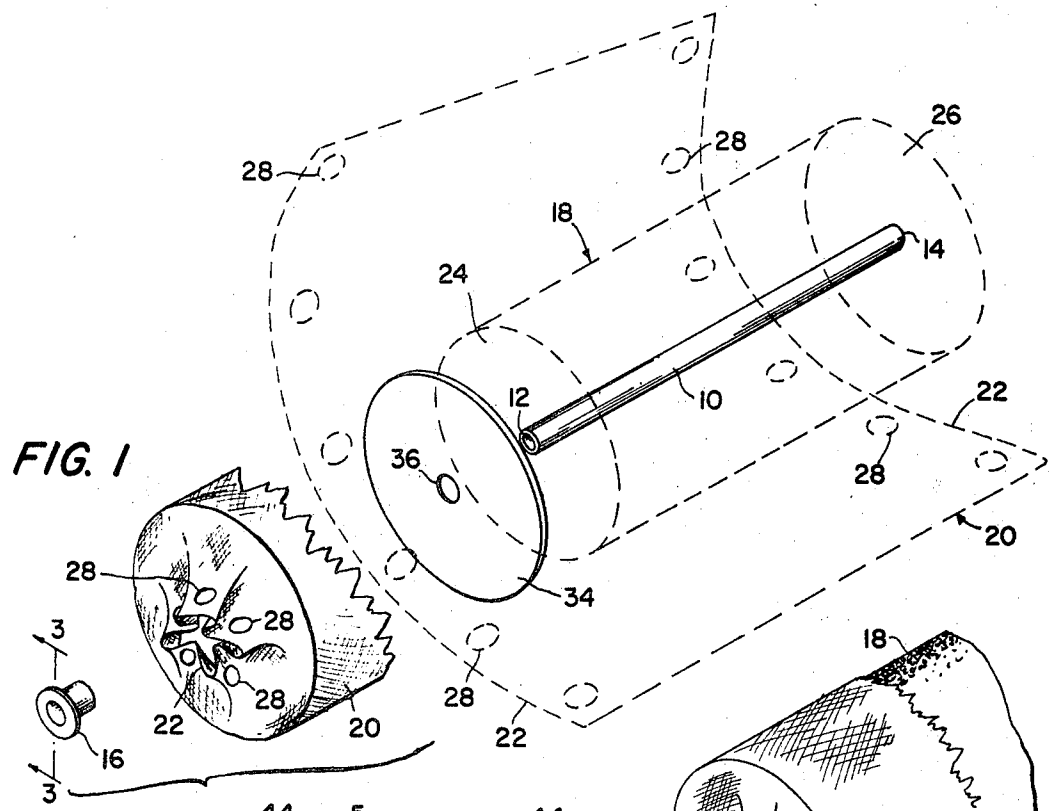


FIG. 1

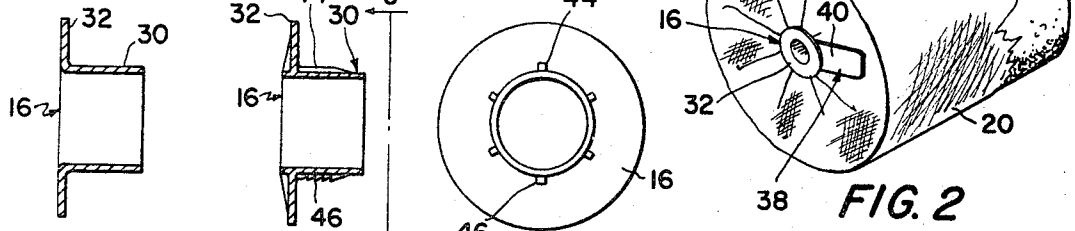


FIG. 2

FIG. 3

FIG. 4

FIG. 5

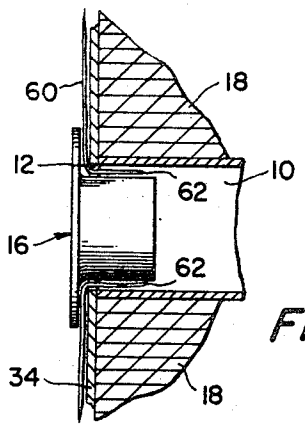


FIG. 7

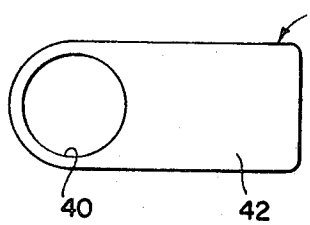


FIG. 6

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PACKAGE FOR ROLLED ARTICLES

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ABSTRACT OF THE DISCLOSURE

A package and method for making same for wrapping rolled articles such as, for example, carpets, drapery materials, or the like, comprising hollow core means around which the article is rolled, a cover such as a burlap or paper cover around the rolled carpet or other article, gathered on each end thereof and provided with holes through which end plugs are fitted into the ends of the hollow core, or with the ends of the cover material stuffed between the end plugs and the hollow core. The end plugs may be provided with flanges at their outer ends and with friction holding means, and tag means with a hole may also be provided to be held against the package by means of one of the end plugs.

This invention relates to a novel packaging and covering means for rolled articles such as carpeting, drapery material, and the like, and to the method of making such package. Certain rolled materials, especially heavy materials such as carpets, are usually packaged for shipment by rolling same and then covering with burlap, or heavy paper, which is then sewn, fastened by adhesive, or tied around the roll. In order to protect the edge of the material such as the carpet, upholstery material, cloth or other material to be packaged, a selvage or other binding is provided on the material which must then later be cut off before the material is used.

It is an object of this invention to provide packaging means and a method for packing rolled materials which will provide a more secure package and better protection for the goods to be packaged.

It is a further object of this invention to provide a novel packaging means and method therefor which will permit the wrapping of rolled articles with precut edges without selvage, and protect such edges until the article is ready for use.

Further objects and advantages of the invention will appear in the specification hereinbelow. The invention is illustrated in the accompanying drawings in which:

FIG. 1 is an exploded perspective view with parts cut away and certain parts shown in dotted line;

FIG. 2 is a perspective view with parts cut away;

FIG. 3 is a sectional view of a part of the invention along the lines 3—3 in FIG. 1;

FIG. 4 is a sectional view similar to FIG. 3 showing another form of the part of the invention shown in FIG. 3;

FIG. 5 is an end elevation of the part shown in FIG. 4 as seen from the lines 5—5 in FIG. 4;

FIG. 6 is a plan view of a tag means which may be used as a part of the invention; and

FIG. 7 is a medial sectional view of a portion of an alternate form of package in which the covering material is made of paper with the ends packed into the core means and held between the core means and the plug of the invention.

Similar numerals refer to similar parts throughout the several views.

The invention comprises a core means **10** which may be in the form of a hollow cardboard core. Core means **10** may also be made of any other material, hollow or solid,

so long as there are recesses provided at ends **12** and **14** within which to fit plugs **16** as will be more fully set forth hereinbelow.

The core means **10** should be substantially as long as the width of the material to be rolled into the package. For example, the material used as an illustration in this invention would be a carpet material approximately 4'6" to 5' in width and 100 feet in length. A roll of such material, approximately 4½ to 5 feet long and 2 to 3 feet in diameter, is represented in dotted line by reference numeral **18** as being rolled around core means **10**. Reference numeral **20** indicates a covering material such as burlap or heavy paper wrapped around the rolled carpet **18**. The covering or covering means **20** is shown unwrapped in dotted line in FIG. 1 and wrapped in solid line in FIG. 1. The cover should be of sufficient length to be wrapped at least once around the roll **18** and of sufficient width so that the cover edges **22** may be gathered around the ends **24** and **26** of the rolled carpet **18**. In addition, there should be at least one or more holes or openings **28** along edges **22** so that when the edges **22** are gathered around the ends of the roll, the holes **28** may be gathered in to register with one another and with the open or recessed ends of core means **10**. Then plug means **16** may be placed through holes **28** and fitted into ends **12** and **14** respectively to hold the package together. Plug means **16** are made of plastic or any other material which is adapted to be friction fitted into core means **10**. Plug means **16** should have a body portion comprising shaft means **30** and flange means **32**. It has been found that in making a package for a carpet as described herein, a core means **10** approximately 3" in diameter and a plug means **16** with a shaft **30** having an outside diameter adapted to fit within the interior diameter of the core means **10** are suitable. The size of the core means **10** and the plug means **16** may, of course, be varied with relation to the type of material to be packaged with due consideration being given to the weight and size as well as the thickness of the material.

The cover **20** may be burlap, or heavy paper, as described or any other material suitable to the packaging of the goods to be packaged. I have found that a reinforced fiberglass paper sandwich material is admirably suitable for a package made in accordance with the invention.

I may also provide inner end covers **34** to cover both ends **24** and **26** of the rolled material **18**. Inner end cover means **34** are preferably made of cardboard or any other suitable material in circular or disk form, and having a central opening **36** adapted to register with end openings **12** and **14** respectively of the core means **10**. The inner end cover means **34** would be placed against an end of the rolled package **18** before gathering and wrapping edges **22** of the cover **20**, and the plug means **16** would be placed through opening **36** after being placed through holes or openings **28** while being fitted into an end such as end **12** of the core means **10**.

In FIG. 6 of the drawings, I show a tag means **38** having a hole or opening **40**. The tag means **38** may be incorporated into the package by slipping opening **40** over shaft **30** of plug means **16** so that the tag means **38** is fitted to the shaft **30** when the plug means **16** is applied through holes **28**. Tag means **38** is shown in such position in a completed package in FIG. 2 of the drawings, being held in place by flange **32** of plug **16**. Any information needed in connection with the rolled and wrapped article can be printed on face **42** of tag means **38**. This provides a neat and readily locatable legible tag for the package which will not roll or shift around as would a tag placed on by a wire or a cord.

In FIGS. 4 and 5 of the drawings, I show an alternate form of plug which is provided with raised portions **44** and **46** around the shaft **30**. The purpose of these por-

tions **44** and **46** is to act as friction holding means to hold the plug **16** more securely within the openings or recesses **12** or **14** of the core means **10**. Raised portion **44** is depicted as a plain inclined portion and raised portion **46** is provided with serrated teeth. A plug **16** may be provided with either of these raised portions or a combination of both, or a raised portion in any other form which will provide for greater friction to hold plug **16** to core means **10**. The plug **16** may also be provided with a taper to facilitate insertion.

In FIG. 7 of the drawings, I show an alternate form of invention in which the ends **62** of a cover **60** are gathered and stuffed into an end **12** of a hollow core means **10**. Plug **16** is then inserted holding the stuffed gathered ends **62** between the inside of hollow core means **10** and the plug **16**. In this form of invention, the end covers **34** as well as the tag **38** may also be used in the same manner as set forth hereinabove.

Wherefore I claim:

1. Means for wrapping rolled articles comprising core means on which the rollable article is wrapped, cover means with which to cover the rolled article when wrapped, and plug means comprising flange means; wherein the said cover means is wrapped around said rolled article and gathered over the ends of the rolled article and is fastened with said plug means, at said ends, said cover means comprising a plurality of overlapping holes at each portion fastened by said plug means, said plug means being fitted into said core means through the plurality of said holes at each of said portions of said cover means, with said flange means outside said holes.

2. The package as defined in claim **1** which also comprises at least one inner end cover placed in end facing relationship to the rolled material and having an opening corresponding to the position of said core means and said holes in said cover means through which said plug means is positioned while fitted in said core means.

3. The package as defined in claim **1** which includes at least one tag having a hole positioned around said plug means and within said flange means.

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