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Hendrickson

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[54] **METHOD OF CUTTING CLOTH FOR MAKING CLOTHES FROM PATTERNS AND APPARATUS THEREFOR**

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[52] **U.S. Cl.** **83/13,** 33/11, 83/451, 83/565, 83/701

[51] **Int. Cl.** **B26d 3/00,** A41h 3/06

[58] **Field of Search**.....83/14, 13, 29, 56, 83/565, 451, 701; 33/11, 12, 4, 5

[56] **References Cited**

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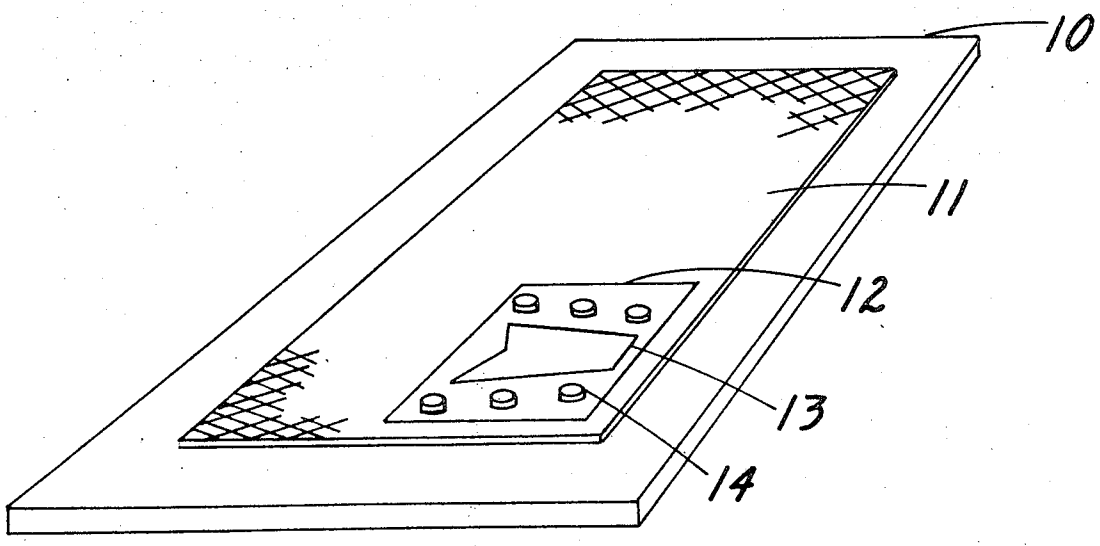
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[57] **ABSTRACT**

A method of cutting cloth with a rotary blade cutter for making clothes. A blank piece of cloth is positioned atop a support base and a paper pattern is then positioned atop the blank piece of cloth. The blank piece of cloth and paper pattern are secured to the fiberboard by flat headed push pins. A rotary blade cutter is then forced against the base and through the pattern and cloth. The rotary blade cutter is forced around the outline of the pattern. A finger receiver and shield are integrally formed in the cutter.

3 Claims, 3 Drawing Figures



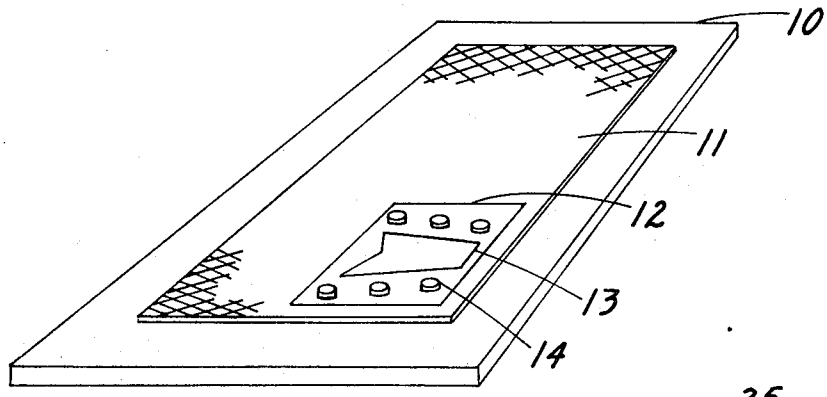


Fig. 1

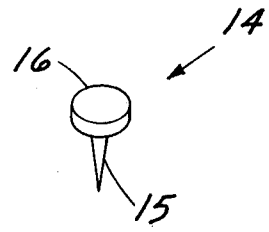


Fig. 2

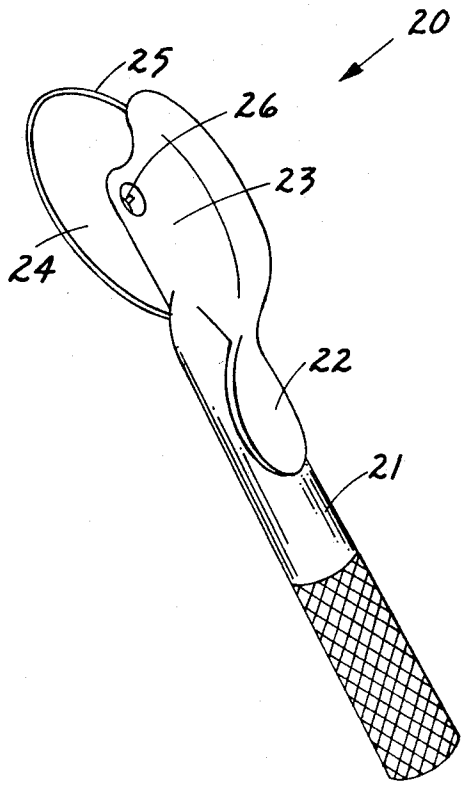


Fig. 3

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METHOD OF CUTTING CLOTH FOR MAKING CLOTHES FROM PATTERNS AND APPARATUS THEREFOR

BACKGROUND OF THE INVENTION

1. Field of the Invention

This invention is in the field of methods and apparatus for cutting cloth.

2. Description of the Prior Art

When manually making clothes, it is a practice to pin commercially available paper patterns to cloth with straight pins. The shank of the pins is first inserted through the pattern and through the cloth and then back through the cloth and pattern. Scissors are then used to cut the pattern and cloth to the desired configuration as outlined on the paper pattern. In many cases, electric scissors are used to cut the paper pattern and cloth. The electric scissors as well as manual scissors are very difficult to use when cutting out notches and curves in cloth. Disclosed herein is a method of cutting the cloth and paper pattern with a rotary blade cutter which is easier to use in cutting out the various notches and curves. In addition, the paper pattern and cloth are pinned to a fiberboard thereby eliminating the tiresome task of securing the cloth to the paper pattern with straight pins as previously outlined.

SUMMARY OF THE INVENTION

One embodiment of this invention is a method of cutting cloth for making clothes from patterns comprising the steps of: positioning a blank piece of cloth adjacent to a support base, positioning a paper pattern atop the blank piece of cloth; securing the paper pattern and blank piece of cloth to the support base; and, forcing a rotary blade cutter against the support base and around the outline of the pattern so as to cut the paper pattern and blank piece of cloth.

Another embodiment of the present invention is a rotary blade cutter for cutting cloth for making clothes comprising: an elongated plastic handle having an index finger receiver formed thereon; a high carboned steel circular cutting blade; a shield extending over the top portion of the cutting blade and positioned adjacent the finger receiver and being integrally joined to the handle; and, a pivot member rotatably connecting the cutting wheel to the handle.

It is an object of the present invention to provide a new and improved method of cutting cloth for making clothes.

It is a further object of the present invention to provide a method of cutting the cloth with a rotary blade cutter.

Yet another object of the present invention is a new and improved rotary blade cutter.

Related objects and advantages of the present invention will be apparent from the following description.

BRIEF DESCRIPTION OF THE DRAWING

FIG. 1 is a perspective view of a fiberboard having a piece of cloth and paper pattern secured thereto.

FIG. 2 is a side view of one of the pins **14** shown in FIG. 1.

FIG. 3 is a perspective view of a rotary blade cutter utilized in the method incorporating the present invention.

DESCRIPTION OF THE PREFERRED EMBODIMENT

For the purposes of promoting an understanding of the principles of the invention, reference will now be made to the embodiment illustrated in the drawing and specific language will be used to describe the same. It will nevertheless be understood that no limitation of the scope of the invention is thereby intended, such alterations and further modifications in the illustrated device, and such further applications of the principles of the invention as illustrated therein being contemplated as would normally occur to one skilled in the art to which the invention relates.

Referring now more particularly to FIG. 1, there is shown a support base **10** for receiving the blank piece of cloth **11** and paper pattern **12**. A variety of materials may be utilized for support base **10**; however, excellent results have been obtained by using fiberboard for the support base. Such fiberboard is commercially available from the Upson Company of Lockport, New York, under the designation of "UPSON BOARD." One of these boards utilized had a thickness of approximately three-sixteenths inch.

The method of cutting cloth for making clothes from patterns includes the step of positioning the blank piece of cloth **11** adjacent the support base **10**. Next, the paper pattern **12** is positioned atop the blank piece of cloth and secured thereto by pins **14**. Paper pattern **12** has outline **13** marked thereon. Outline **13** would be of a variety of different shapes and sizes such as is required for the various pieces of cloth required to constitute an article of clothing. The securing step of the present method includes forcing the shanks **15** (FIG. 2) of push pins **14** through paper pattern **12** and cloth **11** into support base **10** until the heads **16** of pins **14** contact paper pattern **12**.

FIG. 3 shows a rotary blade cutter **20** having cutting wheel **24** rotatably mounted to handle **21** by a pin **26** or other such suitable pivot member. Handle **21** has an index finger receiver **22** so as to allow sufficient force to be applied to the cutting wheel. A shield **23** is integrally connected to handle **21** extending around the top portion of cutting wheel **24** so as to prevent accidental injury in case the index finger would slip from receiver **22**. Shield **23** is positioned adjacent finger receiver **22**. The peripheral edge **25** of wheel **24** is sharpened so as to facilitate the cutting of the cloth and paper pattern. The cutter is shown on an enlarged scale relative to the items shown in FIG. 1 and in actuality would be smaller than support base **10**. The method includes the additional step of forcing the rotary blade cutter **20** against the support base **10** and around the outline **13** of the paper pattern **12** so as to cut the paper pattern and the blank piece of cloth. It is understood that as the various pieces of cloth are cut, additional blank pieces of cloth and paper patterns would be secured to the support base until all of the pieces of cloth are cut to the desired shape.

The rotary blade cutter may be made from a variety of materials. For example, the handle may be produced from plastic or wood whereas the cutting blade should be produced from a high carboned steel. A steel rivet may be used to rotatably mount the cutting wheel to the handle. In addition, a steel bar may extend through the handle to provide additional structural strength.

The invention disclosed herein is also disclosed in a Disclosure Document, Ser. No. 004,561, filed with the U.S. Patent Office on Mar. 17, 1971. The aforementioned Disclosure Document is entitled "Disclosure Document for Method of Cutting Cloth for Making Clothes from Patterns" and was filed by me under the Disclosure Document Program outlined in Vol. 883 of the Official Gazette of the United States Patent Office, No. 1, Page 3.

While the invention has been illustrated and described in detail in the drawing and foregoing description, the same is to be considered as illustrative and not restrictive in character, it being understood that only the preferred embodiment has been shown and described and that all changes and modifications that come within the spirit of the invention are desired to be protected.

The invention claimed is:

1. A method of cutting cloth for making clothes from patterns comprising the steps of:

positioning a blank piece of cloth adjacent to a support base;

positioning a paper pattern atop said blank piece of cloth;

securing said paper pattern and said blank piece of cloth to said support base; and,

forcing a rotary blade cutter against said support base and around the outline of the pattern so as to cut said paper pattern and said blank piece of cloth.

2. The method of cutting of claim 1 wherein:

said securing step includes forcing shanks of push pins through said paper pattern and said blank piece of cloth into said support base until the heads of said pins contact said paper pattern.

3. The method of cutting of claim 2 wherein:

said support base is fiberboard.

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