United States Patent [19]

Johnson

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[54] **PATTERN ADJUSTMENT**

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[52] **U.S. Cl.**..... **33/17 R,** 40/142 A, 269/8, 294/65.5, 335/285

[51] **Int. Cl.**..... **A41h 43/00**

[58] **Field of Search**..... 33/180 R, 11, DIG. 1, 17 R; 335/285; 269/8; 248/206 A; 294/65.5; 40/142 A; 24/73 MS

[56] **References Cited**

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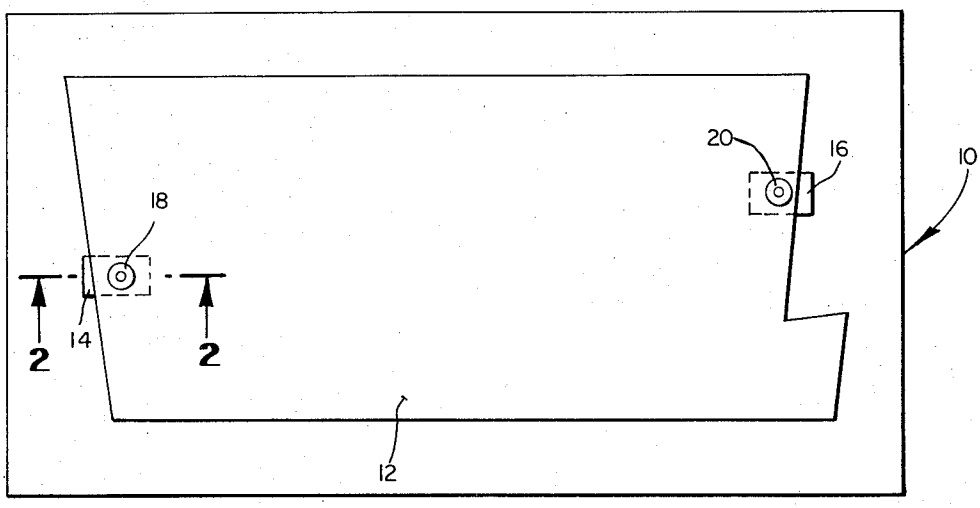
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Assistant Examiner—John W. Shepperd
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[57] **ABSTRACT**

A ferrous metal weight and a magnetic plate are placed on opposite sides of a thin sheet of paper, forming a pattern. They are juxtaposed so that they are attracted to one another and grip the pattern. When laid out upon a cloth, the weight and plate position the pattern with respect to the cloth to be cut. A plurality of such weights and plates are used to hold the pattern in position.

1 Claim, 4 Drawing Figures



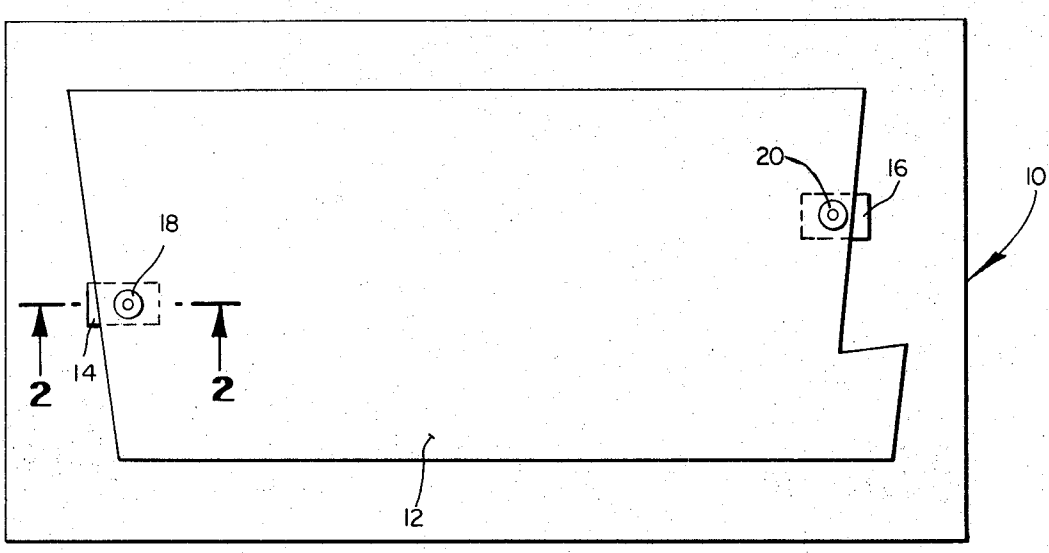


Fig. 1

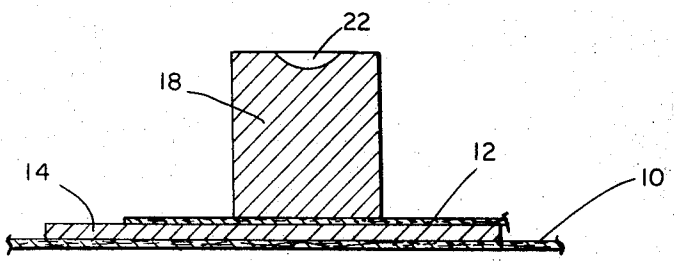


Fig. 2

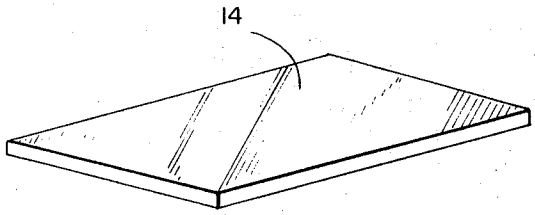


Fig. 3

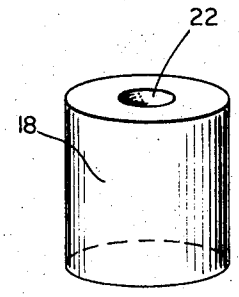


Fig. 4

PATTERN ADJUSTMENT

CROSS-REFERENCE TO RELATED APPLICATION

The disclosure of my prior copending application Ser. No. 167,086, filed July 28, 1971, is incorporated herein by reference.

BACKGROUND OF THE INVENTION

This invention relates to a method and means for adjusting a pattern on a piece of cloth so that the cloth can be cut in accordance with the pattern.

In the prior art, the common way in which a pattern was afixed to a piece of cloth for cutting, was to use a plurality of straight pins which were forced through the pattern and cloth and then removed after the cloth was cut. Of course, one could place a book or other heavy object on the pattern and cloth, but this would make manipulation difficult during the cutting stages.

SUMMARY OF THE INVENTION

I have overcome the disadvantages of the prior art by providing a readily usable means and method of temporarily retaining and adjusting a pattern on a piece of cloth. In the preferred embodiment, my invention comprises a small flat magnetic plate having a relatively heavy small piece of metal associated therewith for retaining the pattern in position on the cloth. The preferred method of using this means comprises placing the magnetic plate on the underside of the pattern, placing the heavy magnetic body on the face of the pattern in position over the magnetic plate so that the two clamp the pattern between them, then adjusting the pattern on the cloth and allowing the magnetic and metallic elements to retain the pattern in position during cutting.

Accordingly, it is an object of my invention to provide a new means and method of adjusting a pattern on a cloth sheet. This and other objects of my invention will become apparent from the following description with reference to the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. **1** is a plan view of a pattern, sheet of cloth, magnetic plate and metallic element in accordance with the preferred embodiment of my invention;

FIG. **2** is a section on an enlarged scale of the embodiment shown in FIG. **1**, taken as indicated by the arrows **2—2**;

FIG. **3** is a prospective view of the magnetic plate shown in section in FIG. **2**; and

FIG. **4** is a prospective view of the metallic element shown in section in FIG. **2**.

DESCRIPTION OF THE PREFERRED EMBODIMENT

Although specific forms of the invention have been selected for illustration in the drawings, and the following description is drawn in specific terms for the purpose of describing these forms of the invention, this description is not intended to limit the scope of the invention which is defined in the appended claims.

Referring to the figures, in FIG. **1** a sheet of material designated generally **10** is spread out on a flat surface (not shown). On top of the sheet of material, there is a thin paper sheet forming a pattern **12.** Positioned beneath the sheet are a plurality of magnetic plates generally rectangular in shape and approximately one-sixteenth of an inch thick, being suitably dimensioned at 1 inch by 1 ½ inches; the plates being numbered **14** and **16.** Each of the plates are substantially flat as shown in FIGS. **2** and **3.** As shown, the plates are positioned between the pattern and the sheet of material to be cut.

On the face of the pattern I have placed a plurality of metallic objects made of a metal suitable for coaction with magnetic means to be attracted thereby. One such magnetically attractable metal object is associated with each of the magnetic plates as shown at **18** and **20** in FIG. **1.** It is positioned upon the face of the pattern so as to grip the pattern between the object and the magnetic plate when the two are attracted together, as shown in greater detail in FIG. **2.**

Although two sets of plates and objects have been shown in FIG. **1,** it will be understood that any number can be used in order to achieve the desirable end results of this invention, namely, retaining the pattern in its adjusted position on the cloth sheet **10.**

In order to move the metal object **18** from place to place, a small indentation **22** is formed in the top, as shown in greater detail in FIG. **4.** This indentation serves as a place to secure the end of the thumb of the person moving the object **18** while the forefinger wraps about the cylindrical surface. Thus, the metal object can be readily moved from place to place and indeed, is heavy enough that it will, while coacting with the magnetic plate, retain the pattern in its new location. It will be apreciated that a piece of ferrous metal of say, eleven-sixteenths of an inch in diameter and three-fourths of an inch in height, applied to a magnet one inch by one and one-half inches by one-sixteenth of an inch thick, would have this effect on the thin paper generally used for dress patterns and the like.

It will be understood that various changes in the details, materials and arrangement of parts which have been herein described and illustrated in order to explain the nature of this invention, may be made by those skilled in the art within the principle and scope of the invention as expressed in the following claims.

It will further be understood that the "Abstract of the Disclosure" set forth above is intended to provide a non-legal technical statement of the contents of the disclosure in compliance with the Rules of Practice of the United States Patent Office, and is not intended to limit the scope of the invention described and claimed herein.

What is claimed is:

1. A method of precisely adjusting thin paper sheet pattern pieces on substantially planar textile material, comprising the steps of: placing a plurality of distinct magnetic objects on one side of each of the pattern pieces to be adjusted; placing a like number of magnetically attractable objects on the other side of said pattern pieces; juxtaposing said magnetic objects and said magnetically attractable objects so that they are magnetically attracted and grip the pattern pieces therebetween, said magnetically attractable objects having gripping means thereon spaced remotely from the surface to be used to engage said pattern pieces; utilizing said gripping means to exert divergent forces within the planes of each pattern piece thereby causing each pattern piece to assume a fully extended substantially flat position while moving, rearranging, and exactly repositioning the pattern pieces to their desired location on the material, and then releasing said pattern pieces thereby allowing the weight of said magnetic objects and magnetically attractable objects to retain said pattern pieces in a precise location.

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