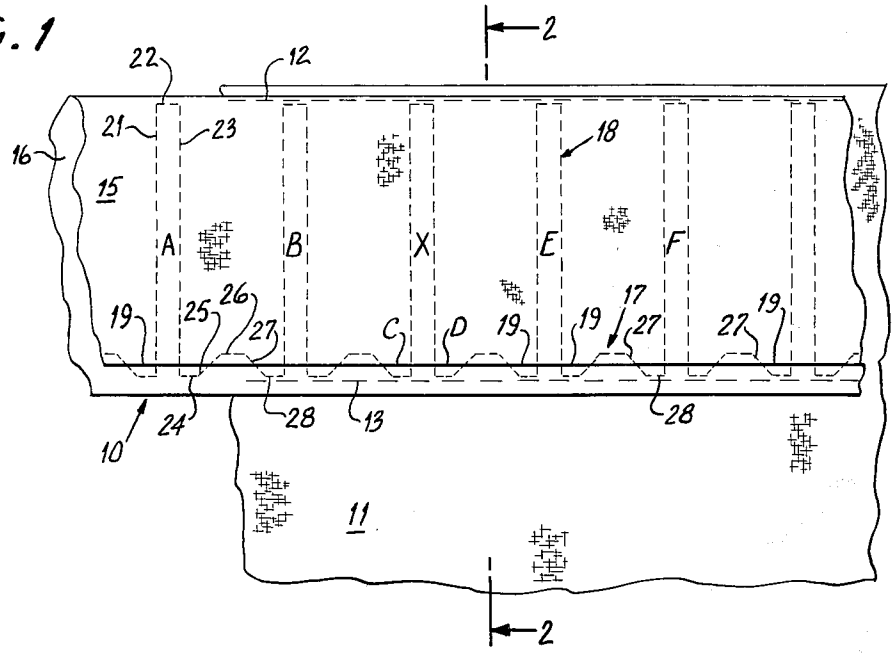
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PLEAT PIN AND TAPE

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FIG. 1



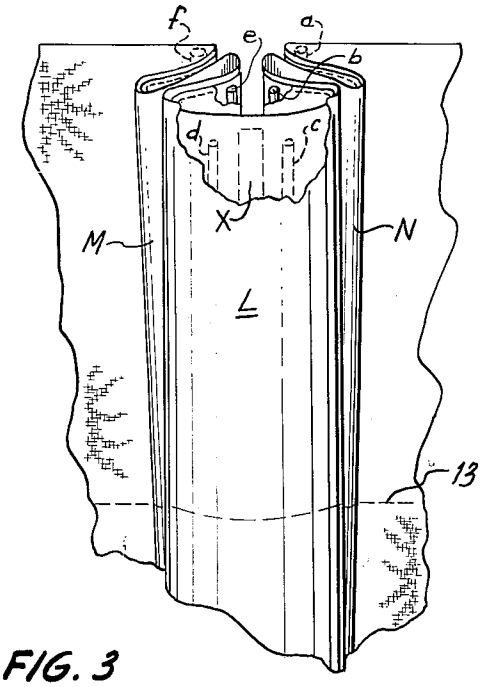


FIG. 3

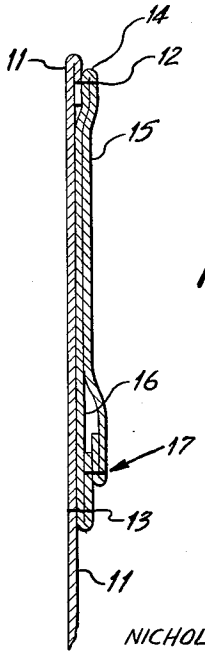


FIG. 2

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FIG. 4

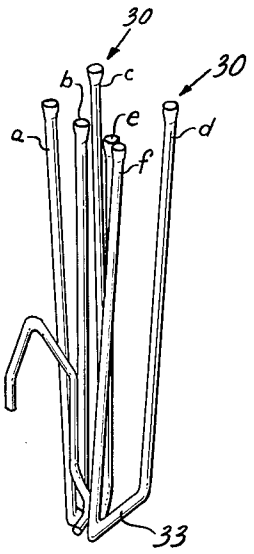
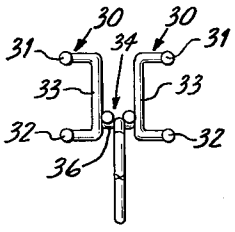


FIG. 5



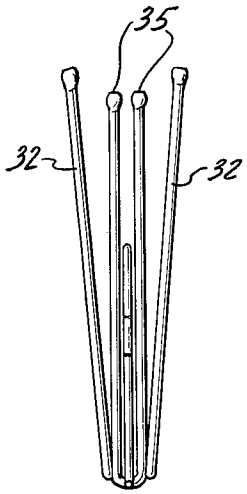
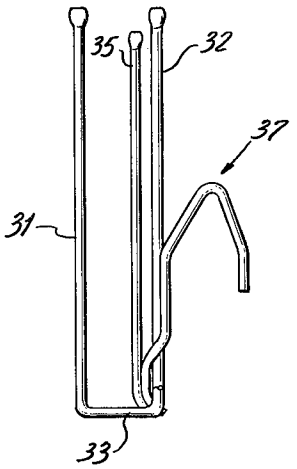


FIG. 6

FIG. 7



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PLEAT PIN AND TAPE

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1 Claim. (Cl. 160—348)

This invention relates to a novel pleat pin used in the drapery art and to said novel pin in combination with a novel drapery tape.

It is an object of this invention to provide a six prong pleat pin.

It is a further object to provide a pleat pin for making box pleats.

It is a further object to provide a drapery tape useable in combination with the pin to form a box pleat.

These and other objects of this invention will become apparent upon reading the following descriptive disclosure taken in conjunction with the accompanying drawing in which:

Fig. 1 is a front view of a portion of the tape showing in a break-a-way manner a piece of drapery sewn to a part of the tape,

Fig. 2 is a section view taken on line 2—2 of Fig. 1,

Fig. 3 is a front view of a box pleat made with the six prong pin showing the location of the pin prongs,

Fig. 4 is a perspective view of the six prong pin,

Fig. 5 is a top view of the pin,

Fig. 6 is a rear view of the pin, and

Fig. 7 is a side view of the pin with one of the pin prongs broken away to show the manner of affixing the hanger loop.

Turning to the drawing, the tape **10** is sewn to the drape **11** by top stitches **12** and bottom stitches **13**.

As shown in Figs. 1 and 2, the tape **10** consists of a longitudinal web folded longitudinally along a top fold line **14**. The folded tape thus consists of a front panel **15** and a rear panel **16**. The bottom edges of both panel **15** and panel **16** are turned inwardly toward one another and sewn together by stitch line **17**.

As shown in the drawing the back panel **16** extends below the front panel **15**. Furthermore, the stitch line **17** is of unique configuration in that it forms finger-like prong receiving pockets **18** having prong receiving openings **19** on each side of a single pocket **18**.

Thus the tape **10** is unique in that it is adapted to receive pin prongs within each pocket **18** formed by stitches on three sides or the pin prongs may be inserted on each exterior side of the pockets **18**.

As shown in Fig. 1, the stitch line **17** undulates between adjacent pockets **18**. Thus stitch line **17** (Fig. 1) rises to form a vertical leg **21** which continues at its top as stitch portion **22** and then communicates with leg **23**. Thus stitch lines **21**, **22** and **23** form a finger pocket **18**.

Line **23** at its base connects with horizontal stitch line **24** disposed entirely in back panel **16**. Stitch line **24** (Fig. 1) connects with inclined line **25** joining in part back panel **16** to front panel **15**. Stitch line **25** connects to the top of inclined stitch line **24** and is disposed through both panels **15** and **16** joining them together along its entire length.

The right side of stitch line **26** connects to a descendingly inclined stitch line **27** which connects at its base with stitch **28** disposed entirely in the back panel **16**.

Therefore the unstitched edge openings **20** of front panel **15** disposed on each side of each pocket **18** are capable of receiving a drapery pin prong as will be hereinafter described.

Turning to the pin shown in Figs. 4–7, each drapery pin consists of two identical side U-shaped elements **30**, each element **30** having a front prong **31** and a like rear prong **32** connected at their base by an integral bridge **33**.

As shown in Fig. 5, the two side members **30** are connected to a middle or intermediate U-shaped element or member **34**. Element **34** consists of a pair of identical prongs **35** joined together by a suitable short bridge **36**.

The side or lateral elements **30** are joined to the intermediate element **34** by conventional solder or welding. As shown in Figs. 6 and 7 the prongs **35** are preferably of shorter length than lateral prongs **31** and **32** but they may be of equal length if so desired.

A conventional hanger loop **37** is soldered to the base or bridge **36** of element **34**, thereby permitting the pins to be secured to a drapery pole.

An important feature of this pleat pin is that the plane of the bridge elements **33** are in parallel relationship to the plane of the hanger loop **37**.

In order to describe the formation of the box pleat of Fig. 3, the pleat pin prongs have also been given letter indicia *a* to *f* inclusive (Fig. 4).

In forming the box pleat of Fig. 3 the pin prong *a* (Fig. 4) is inserted into finger pocket A; next prong *b* is inserted into finger pocket B; next prong *c* is inserted under edge **19** into the non-finger pocket C located to the left (Fig. 1) of finger pocket X; next prong *d* is inserted into the non-finger pocket D located to the right of finger pocket X; next prong *e* is inserted into the finger pocket E and lastly prong *d* is inserted into the finger pocket D. The result is the novel box pleat of Fig. 3 having a front panel L and side panels M and N disposed respectively on each side.

The tape of this invention may be a stitchless or woven tape having three contiguous woven-in prong receiving finger pockets disposed in suitable spaced-apart relationship from the next group of three contiguous woven-in finger pockets. In short the woven tape consists of a plurality of groups of three contiguous woven-in prong receiving pockets suitably spaced-apart from the next group of three woven-in finger pockets.

In inserting the pleat pin of this invention into the woven tape described above, five consecutive groups of three pockets are used. Thus prong *a* is inserted in the middle or center pocket of the first group of three pockets, prong *b* is inserted in the center of the next or second group of three contiguous pockets, prongs *c* and *d* are inserted in the respective exterior pockets of the third group of three pockets leaving vacant the middle pocket of this group, prong *e* is inserted in the middle pocket of the fourth group of three woven-in contiguous pockets and prong *f* is inserted in the middle pocket of the fifth group of three contiguous pockets. The result is a box pleat like that shown in Fig. 3.

I claim:

In an integral continuous folded drapery tape having a fold forming a front panel having a horizontal edge and a rear panel having a portion extending beyond said edge of said front panel, said front panel and said rear panel being sewn together by a continuous stitch line, said stitch line having a plurality of spaced-apart horizontal sections disposed entirely in said extending portion of said rear panel parallel to and below said edge of said front panel, and vertical pocket forming stitch line sections disposed through both said front and said rear panel in perpendicular relationship to and respectively between said horizontal stitch line sections, said vertical

stitch line sections extending substantially to said fold, the improvement comprising a center segment of each of said horizontal stitch line sections extending upwardly to provide a portion disposed through said front and said rear panel and adjacent the horizontal edges of said front panel, whereby said horizontal stitch line section is provided with two additional pockets, said additional pockets being disposed one each side of and contiguous to said vertical pocket forming stitch line sections.

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