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**Document Filed Electronically**

IN THE UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF NEW JERSEY

STANDARD TEXTILE CO., INC.,	:	
	:	Civil Action No.
Plaintiff,	:	
v.	:	
	:	
SOBEL WESTEX and SOBEL WESTEX, INC.,	:	
	:	
Defendants.	:	
	:	x

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**COMPLAINT AND DEMAND FOR TRIAL BY JURY**

Plaintiff Standard Textile Co., Inc., by its attorneys, for its Complaint, alleges as follows:

**PARTIES**

1. Plaintiff Standard Textile Co., Inc. ("Standard Textile") is an Alabama corporation having a principal place of business at One Knollcrest Drive, Cincinnati, Ohio 45237.

2. On information and belief, defendant Sobel Westex is a Nevada corporation having its principal place of business at 2670 S. Western Avenue, Las Vegas, Nevada 89109, and does substantial and continuous business in the State of New Jersey, including through sales of the products accused to infringe the patent as set out below.

3. On information and belief, defendant Sobel Westex, Inc. is a branch or subsidiary of Sobel Westex, or is otherwise under the complete control of Sobel Westex, and has a place of

business at 212 Cambria Avenue, #C, Pleasantville, New Jersey 08232, and does substantial and continuous business in the State of New Jersey, including through sales of the products accused to infringe the patent as set out below. Sobel Westex and Sobel Westex, Inc. are hereinafter referred to collectively as "Sobel."

### **JURISDICTION**

1. This is an action for patent infringement arising under the patent laws of the United States, Title 35, United States Code. Federal question jurisdiction is conferred pursuant to U.S.C. § 1331 and 1338(a).

### **CLAIM FOR RELIEF** **Infringement Of United States Patent No. 7,726,348**

2. The allegations of paragraphs 1-4 are incorporated by reference as though fully set forth herein.

3. On June 1, 2010, United States Patent No. 7,726,348, entitled "Woven Sheeting With Spun Yarns and Synthetic Filament Yarns" was duly and legally issued to Standard Textile (hereinafter "the '348 Patent"), and since that date Standard Textile has been the owner of the '348 Patent. A copy of the '348 Patent is attached hereto as Exhibit 1.

4. On information and belief, Sobel has infringed, and currently is infringing, one or more claims of the '348 Patent through the offer for sale, sale, and/or importation into the United States, and including in this judicial district, of certain bed sheeting ("accused products"), including but not limited to, sheets and/or pillowcases sold by Sobel under the name "Dolce Notte" to the Tropicana Atlantic City.

5. On information and belief, the accused products are webs of woven bed sheeting, including warp ends and fill picks woven together, at least two of the fill picks being, respectively, a spun yarn and a synthetic filament yarn, the warp ends and fill picks defining a

hand for use of the woven bed sheeting comfortably on or against the skin, such that the accused products infringe at least claim 14 of the '348 Patent.

6. On information and belief, the accused products are webs of woven bed sheeting, including warp ends and fill picks, the fill picks being of alternating spun yarns and synthetic filament yarns, the warp ends and fill picks defining a hand for use of the woven bed sheeting comfortably on or against the skin, such that the accused products infringe at least claim 50 of the '348 Patent.

7. On information and belief, a first plurality of the fill picks of the accused products are spun yarns, and a second plurality of the fill picks of the accused products are synthetic filament yarns, such that the accused products also infringe at least claim 19 of the '348 Patent.

8. On information and belief, the first and second plurality of the fill picks of the accused products are woven in a repeating, alternating fashion, such that accused products also infringe at least claims 25 and 26 of the '348 Patent.

9. On information and belief, the fill pick spun yarns of the accused products are natural and/or synthetic, such that the accused products also infringe one or more of at least claims 15 through 17 and 20 through 22 of the '348 Patent.

10. On information and belief, the fill pick synthetic filament yarn of the accused products are multi-filament, such that the accused products also infringe at least claims 18 and 23 of the '348 Patent.

11. On information and belief, the acts of infringement complained of herein are being carried out willfully and with full knowledge by Sobel of the '348 Patent.

12. As a result of the actions of Sobel, Standard Textile has suffered, and continues to suffer, substantial injury, including irreparable injury, and Standard Textile has been damaged

and will continue to be damaged, including through the loss of sales and profits that Standard Textile would have made but for the infringement by Sobel, unless Sobel is enjoined by this Court.

WHEREFORE, Standard Textile prays:

A. That this Court enter a decree holding that Sobel Westex and Sobel Westex, Inc. have infringed United States Patent No. 7,726,348.

B. That Sobel Westex and Sobel Westex, Inc., and their agents, employees, successors, and assigns, and any and all persons or entities acting at, through, under, or in active concert or participation with or under authority of or from them, be enjoined and restrained, preliminarily during the course of this proceeding and thereafter permanently, from making, using, offering for sale, selling, and/or importing into the United States any product that infringes United States Patent No. 7,726,348.

C. That Sobel Westex and Sobel Westex, Inc. be directed to destroy all products in their inventory that have been found to infringe United States Patent No. 7,726,348.

D. That Sobel Westex and Sobel Westex, Inc. be directed to recall all products that have been sold that infringe United States Patent No. 7,726,348.

E. That Sobel Westex and Sobel Westex, Inc. be directed to notify all entities to whom they have sold any product that has been found to infringe United States Patent No. 7,726,348 of the judgment entered in this action and that the product sold to such entity is an infringement of United States Patent No. 7,726,348.

F. That a judgment be entered that Sobel Westex and Sobel Westex, Inc. be required to pay over to Standard Textile all damages sustained by Standard Textile due to the acts of

infringement complained of herein, and that such damages be trebled pursuant to 35 U.S.C. § 284 for the willful acts of infringement complained of herein

G. That this is an exceptional and willful case and that Standard Textile be awarded the cost of this action and reasonable attorneys fees pursuant to 35 U.S.C. § 285.

H. That Sobel Westex and Sobel Westex, Inc. be ordered to file with this court and serve on Standard Textile within thirty (30) days after entry of final judgment of this case a report in writing under oath setting forth in detail the manner and form in which Sobel Westex and Sobel Westex, Inc. have complied with the final judgment.

I. For such other and further relief as the nature of the case may require and as may be deemed just and equitable.

**JURY DEMAND**

Pursuant to Fed. R. Civ. P. 38(b), plaintiff hereby demands a trial by a jury on all issues so triable.

Respectfully submitted,

LERNER, DAVID, LITTENBERG,  
KRUMHOLZ & MENTLIK, LLP  
*Attorneys for Plaintiff Standard Textile Co.,  
Inc.*

Dated: May 25, 2011

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**CERTIFICATION PURSUANT TO LOCAL CIVIL RULE 11.2**

The undersigned hereby certifies, pursuant to Local Civil Rule 11.2, that with respect to the matter in controversy herein, neither plaintiff nor plaintiff's attorney is aware of any other action pending in any court, or of any pending arbitration or administrative proceeding, to which this matter is subject.

LERNER, DAVID, LITTENBERG,  
KRUMHOLZ & MENTLIK, LLP  
*Attorneys for Plaintiff Standard Textile Co.,  
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Dated: May 25,, 2011

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# **EXHIBIT 1**



US007726348B2

(12) **United States Patent**  
**Heiman**

(10) **Patent No.:** **US 7,726,348 B2**  
(45) **Date of Patent:** **Jun. 1, 2010**

(54) **WOVEN SHEETING WITH SPUN YARNS AND SYNTHETIC FILAMENT YARNS**

(75) Inventor: **Gary L. Heiman**, Cincinnati, OH (US)

(73) Assignee: **Standard Textile Co., Inc.**, Cincinnati, OH (US)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 653 days.

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(21) Appl. No.: **11/278,155**

(Continued)

(22) Filed: **Mar. 31, 2006**

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(65) **Prior Publication Data**  
US 2006/0180229 A1 Aug. 17, 2006

GB 2287966 10/1995

**Related U.S. Application Data**

(Continued)

(63) Continuation of application No. 10/251,163, filed on Sep. 20, 2002.

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(30) **Foreign Application Priority Data**  
Sep. 20, 2002 (EP) ..... 02257405

Textile Network Concepts, Inc. (TNC), web site (two pages) "Listings of Spun Yarns and Filaments", (copyright 1998).

(Continued)

(51) **Int. Cl.**  
*D03D 1/00* (2006.01)  
*D03D 15/00* (2006.01)  
*D03D 23/00* (2006.01)

Primary Examiner—Bobby H Muromoto, Jr.

(74) *Attorney, Agent, or Firm*—Wood, Herron & Evans, LLP

(52) **U.S. Cl.** ..... 139/383 R; 139/420 R; 139/426 R; 139/426 TW; 139/420 A

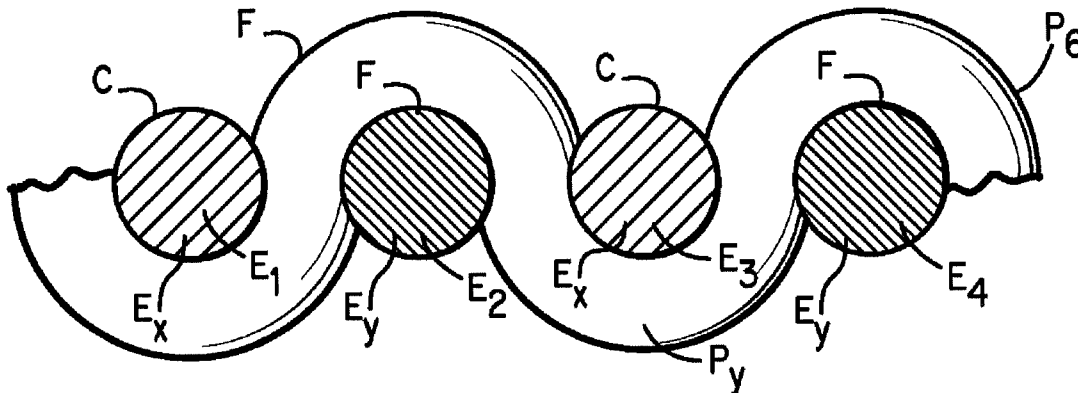
(57) **ABSTRACT**

(58) **Field of Classification Search** ..... 139/420 R, 139/426 R, 426 TW, 420 A  
See application file for complete search history.

Sheeting (10) is woven with warp ends ( $E_n$ ) and fill picks ( $P_n$ ), at least one of which ( $E_x$  and/or  $P_x$ ) is a spun yarn (C) and at least one of which ( $E_y$  and/or  $P_y$ , with  $x \neq y$ ) is a synthetic filament yarn (F), or a first plurality of which ( $ES_1$  and/or  $PS_1$ ) are each spun yarns (C) and a second plurality of which ( $ES_2$  and/or  $PS_2$ ) are each synthetic filament yarns (F).

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50 Claims, 2 Drawing Sheets





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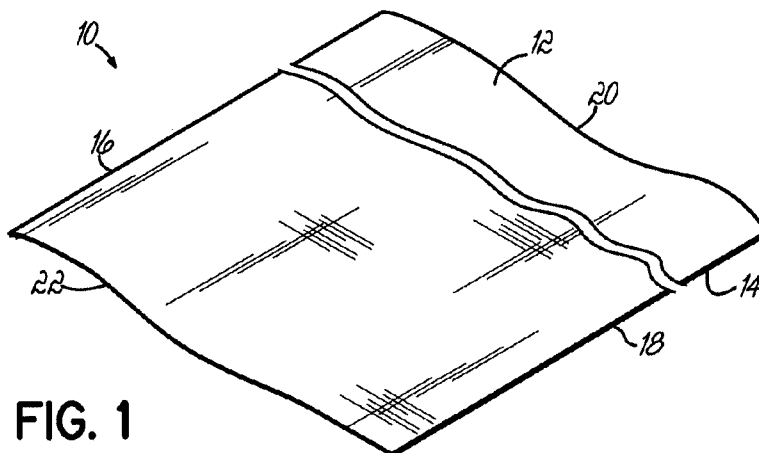


FIG. 1

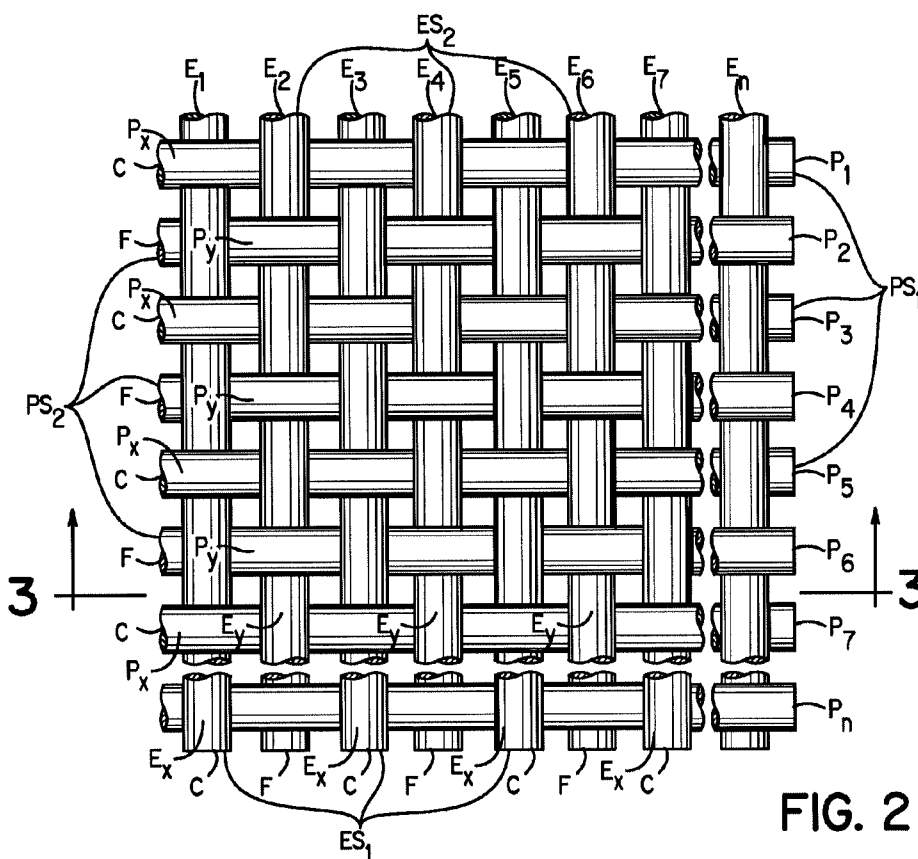


FIG. 2

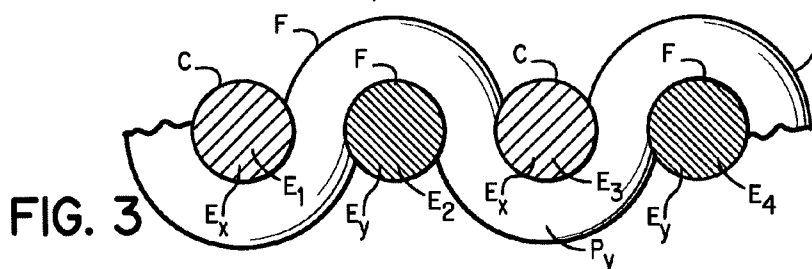


FIG. 3

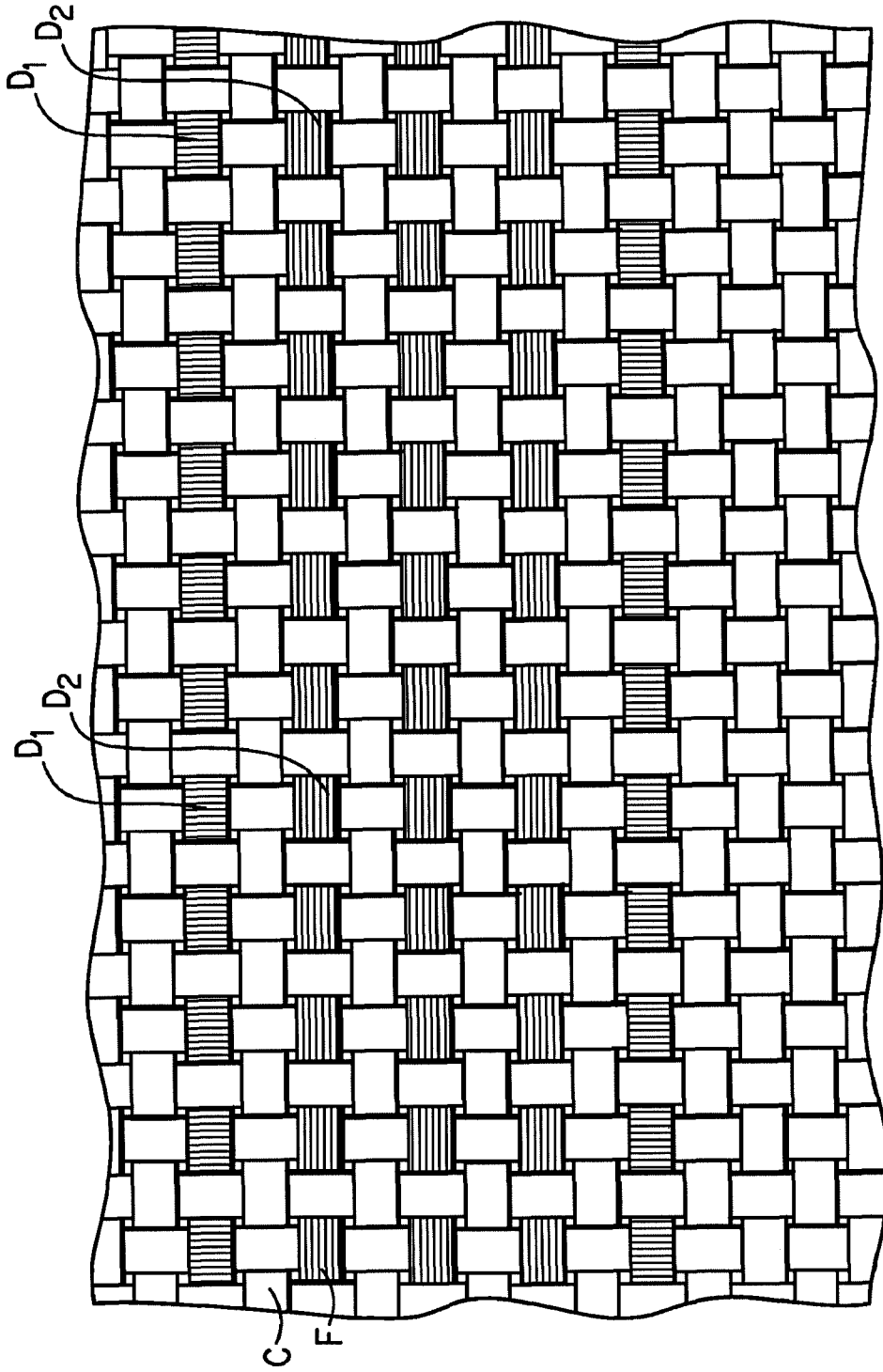


FIG. 4

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**WOVEN SHEETING WITH SPUN YARNS AND  
SYNTHETIC FILAMENT YARNS**

## RELATED APPLICATION

This application is a continuation of U.S. patent application Ser. No. 10/251,163, filed Sep. 20, 2002 entitled "Woven Sheeting With Spun Yarns and Synthetic Filament Yarns", which is expressly incorporated herein by reference.

## BACKGROUND OF THE INVENTION

## I. Field of the Invention

The present invention relates to woven sheeting having warp ends and fill picks, and, more particularly, to such woven sheeting made from spun yarns and synthetic filament yarns.

## II. Description of Prior Art

Fabrics for use on or against the skin, such as sheets, pillow cases, undershirts, sleeves, gowns, shirts, and the like may be cut and formed from sheeting comprised of warp end yarns and fill pick yarns woven into a web as is conventional. Selection of yarn for such sheeting often involves a compromise between hand or "feel" and durability. For example, where the yarns are all-natural, 100% cotton, the resultant sheet has a hand that is desirably comfortable and pleasing to the user. However, 100% cotton fabrics do not wear well or readily survive the sometimes harsh laundering procedures to which they may be exposed, especially in commercial or industrial applications such as encountered in connection with hospitals, rest homes, clinics, hotels and the like. In this regard, such fabrics must be able to withstand about 100 to 150 institutional laundry cycles of high temperature or caustic washing, drying, ironing and possibly even steam sterilization.

Similarly, where the web is woven from all synthetic filament yarns, a very durable product is formed, but it suffers from a low hand (i.e., rough feel) that detracts from the web's utility for use on or against the skin.

Various approaches to achieve a balance between durability and hand have been proposed. By way of example, woven sheeting comprised of yarns which are intimately blended spun fibers (which may be all natural or a blend of natural or synthetic) have an acceptable hand, but may not have the desired durability and can be limited by the nature of the spun fiber. In some cases, spun fiber strands and filament strands are twisted into yarns to provide greater durability. While the durability is increased, the twisted yarns have some drawbacks including that they may adversely affect the hand of the resultant web. Others have proposed to use separate, alternating adjacent ends or picks of natural yarns of different character, such as cotton and silk (U.S. Pat. No. 776,275) or mohair and silk (U.S. Pat. No. 1,139,705) in a given weave direction. The latter also suggested use of artificial silk which is believed to have been a reference to rayon or similar cellulosic (i.e., cotton) material, and so was still a natural yarn. These silk-based approaches are not believed to provide a cost-effective and desired balance of hand and durability necessary for fabrics used on or against the skin.

A useful balance of both hand and durability for such sheeting has been achieved by utilizing yarns made from a blend of natural and synthetic material as warp ends, with the weft or fill pick yarns being all natural materials (U.S. Pat. Nos. 4,578,306; 4,679,326 and 4,742,183, all owned by the assignee hereof), or by utilizing yarns of spun cotton staples for the warp ends and polyester filament yarns for the fill (U.S. Pat. No. 5,495,874, also owned by the assignee hereof).

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While the approach of these patents have garnered some success, further improvements are desirable.

## SUMMARY OF THE INVENTION

I have developed an alternate construction for woven sheeting which is believed to provide a hand that closely resembles the desirable hand typically associated with woven sheeting consisting entirely of intimately blended spun fiber products, yet has better strength like that offered by incorporation of synthetic filament yarn. To this end, and in accordance with certain principles of the present invention, separate spun yarns and synthetic filament yarns are provided in at least one, if not both, of the weaving directions. A woven sheeting in accordance with the principles of the present invention thus includes at least two warp ends which are, respectively, a spun yarn and a synthetic filament yarn, and/or at least two fill picks which are, respectively, a spun yarn and a synthetic filament yarn to thus provide separate spun yarns and synthetic filament yarns in the same weaving direction(s).

In accordance with a further aspect of the present invention, a first plurality of warp ends may be spun yarns and a second plurality of warp ends may be synthetic filament yarns. Alternatively, a first plurality of fill picks may be spun yarns with a second plurality being synthetic filament yarns. Further, both the warp and weft directions may have such first and second pluralities of spun yarns and synthetic filament yarns, in the same or differing amounts. The spun yarns and synthetic filament yarns, in any event, may be woven in a seemingly random spacing spread throughout the sheet or in a predetermined pattern(s) or sub-pattern(s) along the length or width thereof.

Several or all of the spun yarns may advantageously be all natural or a blend of natural and synthetic so as to provide the desired hand or feel, but could also be all synthetic. The synthetic filament yarns are advantageously multi-filament.

The use of separate spun yarns and synthetic filament yarns in the warp and/or the weft (i.e., the fill) offer a woven sheet with a good balance of hand and durability while providing other and significant advantages. In this regard, the woven sheeting of the present invention offers a uniformity of surface or "hand" that more closely resembles the hand or "feel" typically associated with intimately blended spun fiber products, yet retains the inherent enhancement of strength offered by the incorporation of synthetic filament yarn. The woven sheeting of the present invention further offers the design ability to fabricate sheeting of specifically desired fiber blend levels absent the necessity to procure or spin weaving yarns of a specific blended content; enhances the tensile strength and durability of the woven sheeting as compared to some prior sheeting such as those woven exclusively with spun staple yarns, or those addressed in aforementioned U.S. Pat. Nos. 5,495,874, 4,578,306, 4,679,326 and 4,742,183 wherein the synthetic filament yarns and the spun yarns are confined to singular and mutually exclusive weaving directions; and provides for shrinkage properties that more closely approximate those typically associated with intimately blended sheeting utilizing exclusively spun yarns, and can serve to diminish the disparity between warp and weft shrinkage values typical to woven constructions which utilize synthetic filament yarns and spun yarns in mutually exclusive weaving directions, to name a few of the advantages of the present invention.

In accordance with a further aspect of the present invention, some of the synthetic filament yarns may be dyed with single or multiple colors to offer the design ability to fabricate

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sheeting of certain patterns and/or variegated colors without the necessity for dyeing and/or printing of the fabric subsequent to the weaving process.

In accordance with a yet further aspect of the present invention, an inherent design may be provided, and/or the blend levels and characteristics of the woven sheet varied, in accordance with a repeating pattern(s) or subset pattern(s) of the alternating spun yarns and synthetic filament yarns.

By virtue of the foregoing, there is thus provided woven sheeting having numerous advantages over prior woven sheeting. These and other objectives and advantages of the present invention shall be made apparent from the accompanying drawings and description thereof.

#### BRIEF DESCRIPTION OF THE DRAWINGS

The accompanying drawings, which are incorporated in and constitute a part of this specification, illustrate embodiments of the invention and, together with a general description of the invention given above, and the detailed description of the embodiments given below, serve to explain the principles of the invention.

FIG. 1 is an isometric view of a woven sheeting in accordance with the principles of the present invention;

FIG. 2 is an enlarged, fragmentary top plan view, not to scale, of the woven sheeting of FIG. 1;

FIG. 3 is a partial, cross-sectional view taken along line 3-3 of FIG. 2; and

FIG. 4 is an enlarged, fragmentary top plan view, not to scale, of an alternative embodiment of a woven sheeting in accordance with the principles of the present invention.

#### DETAILED DESCRIPTION OF THE INVENTION

With reference to FIGS. 1-3 there is shown an embodiment of a woven sheeting 10 in accordance with the principles of the present invention and utilizing separate spun yarns C and synthetic filament yarns F in both the warp and the fill weaving directions, it being understood that the separate yarns C and F could be utilized in only one of the warp weaving direction or the fill weaving direction, with the other weaving direction being comprised of other yarns such as all spun yarns C, synthetic filament yarns F, or twist yarns (not shown), or combinations thereof as desired. Sheet 10 is plain woven in conventional fashion so as to have a plurality of warp ends  $E_1, E_2, \dots, E_n$  and fill picks  $P_1, P_2, \dots, P_n$  defining the top 12 and bottom 14 surfaces of sheeting 10 extending between left 16 and right 18 selvages and top or trailing 20 and bottom or leading 22 ends thereof. Each warp end  $E_n$  and each fill pick  $P_n$  is defined by a yarn the characteristics of which are selected in accordance with the principles of the present invention.

To this end, the fill picks  $P_n$  are selected such that at least one of the fill picks  $P_x$  is spun yarn C and at least one other of the fill picks  $P_y$  ( $x \neq y$ ) is a synthetic filament yarn F, and the warp ends  $E_n$  are selected such that at least one of the warp ends  $E_x$  is a spun yarn C and at least another of the warp ends  $E_y$  (when  $x \neq y$ ) is a synthetic filament yarn F. Advantageously, each of the warp ends  $E_n$  of a first plurality or set of ends  $ES_1$  (made up of several ends  $E_x$ ) and/or each of the fill picks  $P_n$  of a first plurality or set of picks  $PS_1$  (made up of several picks  $P_x$ ) is a spun yarn C. Additionally, or alternatively, each of the ends  $E_n$  of a second plurality or set of ends  $ES_2$  (made up of several ends  $E_y$ ) and/or each of the picks  $P_n$  of a second plurality or set of picks  $PS_2$  (made up of several picks  $P_y$ ) are synthetic filament yarns F. While the ends and/or picks making up the sets  $ES_1, ES_2, PS_1$  and/or  $PS_2$  may be distributed

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among the plurality of the respective ends  $E_n$  and/or picks  $P_n$  as desired, it may be advantageous to sequence the yarns in a pattern(s) such that they alternate. By way of example, all of the odd ends  $E_n$  and/or picks  $P_n$  (where  $n$  is an odd number) may comprise set  $ES_1$  and/or  $PS_1$ , and all of the even ends  $E_n$  or even picks  $P_n$  (where  $n$  is an even number) may comprise set  $ES_2$  or  $PS_2$  so as to define a  $1C \times 1F$  repeating pattern. This type of alternating pattern is shown in FIG. 2 with set  $ES_1$  including ends  $E_1, E_3$  and  $E_5$ ; set  $ES_2$  including ends  $E_2, E_4$  and  $E_6$ ; set  $PS_1$  including picks  $P_1, P_3$  and  $P_5$ ; and set  $PS_2$  including picks  $P_2, P_4$  and  $P_6$ . Other patterns are possible by grouping ends or picks together such as  $1C \times 2F, 1C \times 3F, 1C \times 4F, 2C \times 1F, 2C \times 2F, 2C \times 3F, 2C \times 4F, 3C \times 1F, 3C \times 2F, 3C \times 3F, 3C \times 4F, 4C \times 1F, 4C \times 2F, 4C \times 3F$ , and  $4C \times 4F$ , just to name a few. Other patterns will be readily recognized by those skilled in the art and may include subsets of the above patterns (e.g.,  $1C \times 2F$  followed by  $4C \times 3F$ , etc.) such that the different patterns appear over the length or width of sheeting 10. Further, the pattern(s) and/or subset pattern(s) may be the same or different in each of the weave directions.

While sheeting 10 is shown as comprising separate spun yarns C and synthetic filament yarns F in both the warp and weft weaving directions, the use of such separate yarns in only one of the directions is similarly contemplated. Thus, in the warp direction, warp ends  $E_n$  may be as described above with the warp end(s)  $E_x$  being spun yarn C and the warp end(s)  $E_y$  being synthetic yarn F, but in the weft direction, the fill picks  $P_n$  may be any desired yarns such as all spun yarns C (like those used in the warp direction or different, as desired), all synthetic filament yarns F (like those used in the warp direction or different, as desired), twisted yarns (not shown), or a combination thereof. The warp ends  $E_n$  may also be located in a pattern(s) or subset pattern(s) as above-described. Alternatively, in the fill direction, fill picks  $P_n$  may be separate spun yarns C and synthetic filament yarns F as described above with the fill pick(s)  $P_x$  being spun yarn C and the fill pick(s)  $P_y$  being synthetic yarn F, but in the weft direction, the warp ends  $E_n$  may be any desired yarns such as all spun yarns C (like those used in the warp direction or different, as desired), all synthetic filament yarns F (like those used in the warp direction or different, as desired), twisted yarns (not shown), or a combination thereof. The fill picks  $P_n$  may also be formed in a pattern(s) or subset pattern(s) as described above.

The spun yarns C as used in the warp end(s)  $E_x$  or fill pick(s)  $P_x$  may be of all natural material, such as 100% cotton, may be a blend of synthetic and natural material, and/or may be of all synthetic material depending upon the desired hand or feel of the sheeting 10 and the level of natural-to-synthetic desired in the sheet 10. The level of a natural-to-synthetic may also be easily varied depending upon the number of ends  $E_n$  and/or picks  $P_n$  in the sets  $ES_1, PS_1, ES_2$ , and/or  $PS_2$  which utilize spun yarns C and synthetic filament yarns F as above described and/or the pattern(s) or subset pattern(s) thereof. The synthetic filament yarns F may, by way of example and not limitation, be multi-filament synthetic yarns such as 100% polyester multi-filament yarn. Moreover, the synthetic filament yarns F may be used with any combination of natural, blended or synthetic spun yarns C.

While not being limited thereto, an advantageous range of counts for the spun yarns C is between 16/1 to 50/1 (whether natural, blended or synthetic) and from 70 to 200 denier for the synthetic filament yarns F. The sheeting 10 could run in various threads per inch construction such as from about 90 to about 250 threads per square inch. By way of example, one woven sheeting 10 may be 20/1 100% cotton spun yarn for all warp ends  $E_n$ , and a combination of 30/1 100% polyester spun

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yarn C and 150 denier/48 filament 100% polyester multi-filament yarns F for fill picks  $P_x$  and  $P_y$ , respectively, woven in a 69x50 (119) threads per square inch construction.

For additional variations, and with reference to FIG. 4, selected ones of the synthetic yarns F for warp end(s)  $E_x$  and/or fill pick(s)  $P_x$  may be dyed with single or multiple colors as at  $D_1$  and/or  $D_2$  to offer the design ability to fabricate sheeting of certain patterns and/or variegated colors without the necessity for dyeing and/or printing of the fabric subsequent to the weaving process.

The use of separate spun and synthetic filament yarns in the warp and/or the weft directions offers a woven sheet with a good balance of hand and durability while providing other and significant advantages. In this regard, the woven sheeting of the present invention offers a uniformity of surface or hand that more closely resembles the hand typically associated with intimately blended spun fiber products, yet retains the inherent enhancement of strength offered by the incorporation of synthetic filament yarn. The woven sheeting of the present invention further offers the design ability to fabricate sheeting of specifically desired fiber blend levels absent the necessity to procure or spin weaving yarns of a specific blended content; enhances the tensile strength and durability of the woven sheeting as compared to some prior sheeting such as those woven exclusively with spun staple yarn, or those addressed in aforementioned U.S. Pat. Nos. 5,495,874, 4,578,306, 4,679,326 and 4,742,183 wherein the synthetic filament yarns and the spun yarns are confined to singular and mutually exclusive weaving directions; and provides for shrinkage properties that more closely approximate those typically associated with intimately blended sheeting utilizing exclusively spun yarns, and can serve to diminish the disparity between the warp and weft shrinkage values typical to woven constructions which utilize synthetic filament yarns and spun yarns in mutually exclusive weaving directions, to name a few of the advantages of the present invention.

While the present invention has been illustrated by the description of embodiments thereof and specific examples, and while the embodiments have been described in considerable detail, it is not intended to restrict or in any way limit the scope of the appended claims to such detail. Additional advantages and modifications will readily appear to those skilled in the art. For example, the spun yarns C in a given weaving direction need not all be the same, nor need the synthetic filament yarns F in a given weaving direction be all the same. Moreover, while multi-filament synthetic yarns F are advantageous, a sufficiently thin or texturized, but durable, monofilament yarn which will not deleteriously affect the hand may be used, if available. Also, while "alternating" is typically understood to refer to a repeating back and forth pattern by adjacent rows, that term is not used in such a limiting sense in describing the invention herein and may include a sheeting in which there is a switch between spun yarns C and synthetic yarns F at least once along the length thereof or to include multiple switches between such yarns in one or more repeating patterns. Additionally, while ends  $E_n$  and picks  $P_n$  are shown equally spaced and with an equal density, it will be appreciated that there may be a greater density of warp ends  $E_n$  than fill picks  $P_n$ . The invention in its broader aspects is therefore not limited to the specific details, representative apparatus and methods and illustrative examples shown and described. Accordingly, departures may be made from such details without departing from the scope or spirit of applicant's general inventive concept.

Having described the invention, what is claimed is:

1. A web comprising woven bed sheeting including warp ends and fill picks woven together, at least two of the warp

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ends being, respectively, a spun yarn and a synthetic filament yarn, the warp ends and fill picks defining a hand for use of the woven bed sheeting comfortably on or against the skin.

2. The web of claim 1, the spun yarn being natural.

3. The web of claim 1, the spun yarn being a blend of synthetic and natural.

4. The web of claim 1, the spun yarn being synthetic.

5. The web of claim 1, the synthetic filament yarn being multi-filament.

6. The web of claim 1, a first plurality of the warp ends being spun yarns and a second plurality of the warp ends being synthetic filament yarns.

7. The web of claim 6, the spun yarns each being natural.

8. The web of claim 6, the spun yarns each being a blend of synthetic and natural.

9. The web of claim 6, the spun yarns being synthetic.

10. The web of claim 6, the synthetic filament yarns each being multi-filament.

11. The web of claim 6, at least selected ones of the second plurality of the warp end synthetic filament yarns being dyed.

12. The web of claim 6, the first and second plurality of warp ends being woven in an alternating fashion.

13. The web of claim 12, the first and second plurality of warp ends being woven in a repeating alternating fashion.

14. A web comprising woven bed sheeting including warp ends and fill picks woven together, at least two of the fill picks being, respectively, a spun yarn and a synthetic filament yarn, the warp ends and fill picks defining a hand for use of the woven bed sheeting comfortably on or against the skin.

15. The web of claim 14, the spun yarn being natural.

16. The web of claim 14, the spun yarn being a blend of synthetic and natural.

17. The web of claim 14, the spun yarn being synthetic.

18. The web of claim 14, the synthetic filament yarn being multi-filament.

19. The web of claim 14, a first plurality of the fill picks being spun yarns and a second plurality of the fill picks being synthetic filament yarns.

20. The web of claim 19, the spun yarns each being natural.

21. The web of claim 19, the spun yarns each being a blend of synthetic and natural.

22. The web of claim 19, the spun yarns being synthetic.

23. The web of claim 19, the synthetic filament yarns each being multi filament.

24. The web of claim 19, at least selected ones of the second plurality of the warp end synthetic filament yarns being dyed.

25. The web of claim 19, the first and second plurality of fill picks being woven in an alternating fashion.

26. The web of claim 25, the first and second plurality of fill picks being woven in a repeating alternating fashion.

27. A web comprising woven bed sheeting including warp ends and fill picks woven together, at least two of the warp ends being, respectively, a spun yarn and a synthetic filament yarn, and at least two of the fill picks being, respectively, a spun yarn and a synthetic filament yarn, the warp ends and fill picks defining a hand for use of the woven bed sheeting comfortably on or against the skin.

28. The web of claim 27, the warp end spun yarn being natural.

29. The web of claim 27, the warp end spun yarn being a blend of synthetic and natural.

30. The web of claim 27, the warp end spun yarn being synthetic.

31. The web of claim 27, the warp end synthetic filament yarn being multi-filament.

32. The web of claim 27, the fill pick spun yarn being natural.

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33. The web of claim 27, the fill pick spun yarn being a blend of synthetic and natural.

34. The web of claim 27, the fill pick spun yarn being synthetic.

35. The web of claim 27, the fill pick synthetic filament yarn being multi-filament.

36. The web of claim 27, a first plurality of the warp ends being spun yarns and a second plurality of the warp ends being synthetic filament yarns, and a first plurality of the fill ends being spun yarns and a second plurality of the fill ends being synthetic filament yarns.

37. The web of claim 36, the spun yarns each being natural.

38. The web of claim 36, the spun yarns each being a blend of synthetic and natural.

39. The web of claim 36, the spun yarns each being synthetic.

40. The web of claim 36, the synthetic filament yarns each being multi filament.

41. The web of claim 36, at least selected ones of the second plurality of the warp end synthetic filament yarns being dyed.

42. The web of claim 36, at least selected ones of the second plurality of the fill pick synthetic filament yarns being dyed.

43. The web of claim 36, the first and second plurality of warp ends being woven in an alternating fashion.

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44. The web of claim 43, the first and second plurality of warp ends being woven in a repeating alternating fashion.

45. The web of claim 43, the first and second plurality of fill picks being woven in a repeating alternating fashion.

46. The web of claim 36, the first and second plurality of fill picks being woven in a repeating alternating fashion.

47. The web of claim 46, the first and second plurality of fill picks being woven in a repeating alternating fashion.

48. A web comprising woven bed sheeting including warp ends and fill picks, the warp ends being of alternating spun yarns and synthetic filament yarns, and the fill picks being of alternating spun yarns and synthetic filament yarns, the warp ends and fill picks defining a hand for use of the woven bed sheeting comfortably on or against the skin.

49. A web comprising woven bed sheeting including warp ends and fill picks, the warp ends being of alternating spun yarns and synthetic filament yarns, the warp ends and fill picks defining a hand for use of the woven bed sheeting comfortably on or against the skin.

50. A web comprising woven bed sheeting including warp ends and fill picks, the fill picks being of alternating spun yarns and synthetic filament yarns, the warp ends and fill picks defining a hand for use of the woven bed sheeting comfortably on or against the skin.

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