

INTRODUCTION TO THRILLING TWILLS CD

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IMPORTANT NOTE:

This CD requires that you have Fiberworks PCW4, or other weaving software capable of opening WIF files. You must also have Adobe Acrobat Reader 3.0 or higher.

Copying files from the disc and then changing them, will not harm the contents of the disc, as you cannot edit the disc. Copying the entire CD to your computer may disrupt the links between the index and the weaving design files. It is also quite large and will take a lot of space on your computer. You may copy an individual file to your computer to use them. You may print the Index pages (many, many pages!) to keep a hard copy.

SCHEMATIC LAYOUT OF THE CD

THRILLING TWILLS CD

- └─> **00-WELCOME** folder (2 files)
 - └─> **Welcome.txt**, a text file
 - └─> **Welcome.PDF**, an Adobe Acrobat file (this one)
- └─> **01-INDEX** folder
 - └─> **_catalog.pdf**, an Acrobat file, with links to all index pages
 - └─> **Index** pages (103 PDF) with links to the designs in the design folders
- └─> **103 Design** folders
 - └─> Individual designs (containing DTX, WIF and GIF files)

The index may not work with all weaving software; you will need to navigate the CD to find the designs you want.

INTRODUCTION:

This disc is designed to make finding the designs very easy. There are four kinds of files on this disc:

- ▶ The catalog and the index pages are PDF files, readable with Adobe Acrobat Reader 3 or higher.
- ▶ There are two kinds of design files:
 - DTX: Fiberworks native file format.
 - WIF: Weaving designs files for most modern weaving programs.
- ▶ The last file type is a GIF. These are small graphic files to preview the various designs, either as thumbnails in some windows systems or in a graphics programs. They are used to make the graphic of the designs in the index.

When the CD is in the CD ROM drive the icon below will show in My Computer.



Click or double click on CD ROM drive to open. You will see about 100 folders with large icons, small icons or tiny icons. Detail information about the folder may be visible depending on your operating system and setup.

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INDEX FOLDER:



Open the **01-Index** folder and look for **_catalog.pdf**. The PDF file icon has a grey ground with a black squiggle and a red bar across it.

Click or double click to open, or open Adobe Acrobat first, go to File>Open and navigate to the CD-ROM and then open the **01-Index folder\ _catalog.pdf** file using the menus.

The catalog page is a navigation aid all the index pages. It is a list of all the names of the 103 indexes and link to the PDF files. Each index page shows twills on a specific number of shafts and one type. For instance, the 9 shaft steep twill listing has links to an index containing 33 steep twill designs on 9 shafts.

If you want, you may open the index file directly. To look at the 9 shaft steep twill file without using the catalog, open the **01-Index folder**, scroll to the **9M Steep.pdf** file, and click or double click to open. Then scroll through the index and choose a design to open.

09sM006.dtx
09sM006.wif



This page will have graphics of each of the designs in the folder. Above each graphic is the name of the design in two formats.

The name in magenta is a **DTX** file, the native **Fiberworks** PCW4 format. The name in green is a **WIF** (Weaving Interchange Format) file for use with other weaving software and also PCW. Each page also contains brief instructions and a link **back to catalog** in blue at the top of each page.

OPENING A DESIGN WITH FIBERWORKS:

If you do not own Fiberworks, go to [Open a WIF](#) file below.

Good practice: Open your weaving software before you begin to open designs and proceed to A. This may not be necessary, but it won't hurt.

Open the **_catalog** file in Adobe Acrobat Reader. Click on the icon of the hand in the toolbar (6th icon) to activate the Hand Tool. Move this over the name of the type of twill you want to open, and click. The chosen index will open.

- A. With one of the PDF Index files open, again choose the Hand Tool. Move this over the magenta name of the design you want to open.
- B. When the hand turns into a pointing finger, click once
- C. A dialog will pop up. It says:
Acrobat is about to launch this application:
C:\Program Files\Fiberworks\pcw.exe. Allow this action (yes) or
all actions to all applications (all)?
- D. Click on **All**. **Yes** works for only one file at a time.
The path name and program name may be different on your system. It may say something like: C:\your folder\pcw.exe
- E. The design should open in Fiberworks PCW4.

To open another design, return to the index file of your choice and repeat above. You

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may open a large number (10-50 easily) at one time, if your computer has lots of RAM memory. You may also open a WIF file with Fiberworks if you want, but there is no advantage to this. After the first one, you can open either the red or the green file name easily.

WIF files may or may not open in PCW but instead may try to open in Kodak Image Viewer. See [Warning](#) below.

WIF COMPATIBLE WEAVING SOFTWARE:

NOTE: If you use WIF files, the weaving software must first be open and you may have to open at least one WIF file by using the menus. Clicking from the design Index will not work with all weaving software. In that case, you must use the menus in the program to open the WIF files. See file registry later.

These instructions are intended as guidelines. Exact procedures will depend on:

- ▶ The version of Windows you have
- ▶ The settings in Windows
- ▶ The weaving software that you own

Good practice: Open your weaving software before you begin to open designs, then proceed to A

- A. With one of the PDF Index files open, click on the **Hand Tool** in the tool bar. Move the hand over the design names you want to open, one of the green names. Click once to open the design, when the hand tool turns from the open hand to a pointy finger.
- B. A dialog will pop up. It will say:
Acrobat is about to launch this application:
C:\your weaving folder\your weaving software.exe
Allow this action (yes) or all actions to all applications (all)?
The path name and program name will be different on your system.
- C. Click on **All** if you want to open more than one design from that page. **Yes** works for only one file at a time. The design may open in your weaving software.
- D. Some weaving software may not be able to open a file from Adobe Acrobat Reader links at all.

In that case, open your weaving software. Go to File>Open>CD drive>design folder of your choice>design file of your choice. Make sure that **Files of Type** in the Open dialog is set to WIF files or all files. Click on a WIF file and Open.

****IMPORTANT WARNINGS ABOUT WIF FILES****

You must have a recent weaving program installed on your computer. This software must be able to open WIF (Weaving Interchange Format) files. WIF files were developed in 1997; most recent software will have the ability to open WIF files, but not all.

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Another complication may arise. Opening a WIF file by clicking may give a warning “Can’t Open this file. It may be corrupted”. This happens because the wrong program is attempting to open the weaving file. There is **nothing** wrong with the file.

WIF is also the extension used by Kodak Imaging Files. This software is installed on many Windows systems. WIF files are registered to Kodak Imaging by default, resulting in the warning.

You may change the registration of the WIF file so that the WIF file is associated with your weaving program. If you are in doubt on how to do this, get help. It is not the clearest thing to explain, nor the easiest thing to attempt.

NAMING OF DESIGNS

Each design index is named with the number of shafts that will be found in that index. Most of them will contain one type of twill such as divided twill, advancing twill, etc.

The design names are coded with numbers and letters. The first two numbers are the number of shafts used in the design. The lower case letter **s** represents shafts. The uppercase letter represents the type of twill (see below). The next three numbers are the identification of the specific design. The dot is the demarcation between the name and the extension or file type. The disc contains only two weaving file types: the Fiberworks native file called *.DTX and Weaving Interchange Format file or *.WIF

The letter code in the file name is:

- **A**, straight twill
- **B**, warp point twill, or warp reversing twill
- **C**, weft reversing twill, weft point twill
- **D**, diamond twill, either in X or diamond form
- **E**, divided twill, where the lines of the twills change direction about the diagonal
- **F**, fancy twill, anything that defies a naming convention
- **G**, M’s and W’s, also known as hin und wieder, complex point twills
- **H**, satin and sateen, both regular and irregular and multi tied satins
- **K**, advancing twills usually of the 1,2,3,4,5 type, but others are also included
- **L**, network twills, most on a 1/3 twill network
- **M**, steep twills
- **N**, checks and crepes
- **P**, blocks and twill blocks

These last two are often combined in one folder. Not all the types are present for each number of shafts.

THINGS TO KNOW

The images in the indexes are drawups. These graphic files were generated from the WIF files with a Java utility, **Wif2Tiff.jar** by Jane Eisenstein. Jane wrote several modifications that made this particular job easy. The utility and Jane were of tremendous. **Thank you Jane!** Wif2Tiff is available at <http://www.softweave.com/html/Wif2Tiff.html>

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The drafts as shown in your weaving software may be drawdowns or drawups, depending on the destination software. Fiberworks at the present time (November 2002) makes only drawdowns.

The images represent the structure of the cloth. Many were designed with tieup and treadling, but a fair proportion have liftplan (pegplan, chain, lags). None were designed with multipedal treadling or skeleton tieup, since not all software supports that feature.

None were designed with colours in mind. Fiberworks PCW uses a white warp and a blue weft by default. The destination software may be set to open designs in structure view, colour view, thread by thread interlacement view, or some other default condition. The magnification is also under the control of the destination software. Views cannot be controlled by the design files on this CD, but remain under control of the weaving software.

Some designs, especially some advancing twills may have very long floats. This may or may not be a problem depending on the use and set of the actual weaving.

Any design may be used as a PROFILE draft if the pattern needs to be enlarged or the floats need to be controlled.

A few designs appear in more than one folder. Some designs in one folder may appear identical, but should not be. Different threading, treadlings and tieups, may give identical designs. If you find one that is a duplicate, please report it to me at <info@fiberworks-pcw.com>. It could be an incorrect link or it could be an actual duplicate design. I will attempt to correct it in future editions of the CD.

If you are using Windows ME, XP Home, 2000 Pro or XP Pro, you may view the files as thumbnails. Go to one of the 103 design files, open it and go to the view menu. Click on Thumbnails. You should then see 3 files with the same name, a WIF file, a DTX file and a GIF file. The GIF file is a graphic and will appear as an image. These images are not as good as the ones in the Index files, but they give you an idea of what the designs look like.

Happy Virtual Weaving!

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References:

- ABEL, Isabel. The Snavelly Patterns: Multiple Harness Patterns From the Early 1700's. Self. 1979.
- BEST, Eleanor. Weaves: A Design Handbook. Bestudio. 1986.
- BOESEL, Ingrid. Expanded Advancing Twills. Weaver's, 1993, Issue 22 #2, pg 16.
Short Exploration of Skip Twills. CAD EX, Complex Weavers, July 1992
Flames; a scarf. Design Collection #15, 1991
Short Exploration of Network Drafting. CAD EX, Complex Weavers, Mar 1991
Design your own Steep Twill. Bulletin, 1989, V32:1 pg 12.
- BRESS, Helene. The Weaving Book. Scribner's and Sons. 1981 ISBN: 0-684-15664-4
- BURNHAM, Dorothy. Warp and Weft: A Dictionary of Textile Terms. Scribner. 1980. ISBN: 0-684-17332-8
- EATOUGH, Judie and Wanda SHELP. Complex Weavers Greatest Hits. Complex Weavers. ISBN: 0-9705436-0-3
- EMERY, Irene. The Primary Structure of Fabrics. Textile Museum. 1966. ISBN: 0-8230-4394-0
- EVANS, Jane. A Joy Forever: Latvian Weaving. Dos Tejedoras. 1991. ISBN: 0-932394-16-7
- GOERNER, Doris. Woven Structure and Design, Part I. Wira Technologies. 1986. ISBN: 0-900820-17-9
- HODGE, William. Corkscrew Twills Revisited. Bulletin, 1985. V29:1 pg 1.
- HODGE, William and Robert WYLIE. Handweaving Technology, Feather Weave. Bulletin, 1985. V29:1 pg 14.
- INOUE, Bonnie. Exploring Multishaft Designs. Weavingdance Press, 2000. ISBN: 0-9678489-0-3
- KIRBY, Mary. Designing on the Loom. Select Books 1955. ISBN: 910458-11-1
- LANDIS, Lucille. Twills and Twill Derivatives. Lucille Landis, USA. 1977
- LAUGHLIN, Mary Elizabeth. More Than Four. Laughlin Ent., CA, USA. 1976. ISBN: 0-933604-01-7
- MASSON, Olivier and Francoise ROUSSEL. Shaft Weaving and Design. En Bref, English edition. 1988. ISBN: 2-9801045-0-X
- OELSNER, G. H. A Handbook of Weaves. Dover Publications. 1875, 1915, 1952. ISBN: 0-486-23169-0
- RYALL, Pierre, Weaving Techniques for the Multiple-Harness Loom. Van Nostrand Reinhold. 1979. ISBN: 0-442-27085-2
- SCHLEIN, Alice. Network Drafting: An Introduction. Bridgewater Press, 1994. ISBN: 0-9644474-0-1
- SELANDER, Malin. Weave a Weave. LTs forlag. 1986. Good twill gamp. ISBN: 91-36-02508-9
- SHELP, Wanda and Carolyn WORSTENBERG. Eight Shafts: A Place To Begin. Shelp. 1991.
- STRICKLER, Carol, ed. A Weaver's Book of 8 Shaft Patterns. Interweave. 1991. ISBN: 0-934026-67-X
- SUTTON, Ann. The Structure of Weaving. Lark Books. 1982. Good explanations. ISBN: 0-937274-08-9
- SUTTON, Ann, Editor. Falcot's Weave Compendium. Diedre McDonald Books. 1990. ISBN: 0-947792-51-1
- TIDBALL, Harriet. The Handloom Weaves. ShuttleCraft Guild Monograph #33.
- VAN DER HOOGT, Madelyn. The Complete Book of Drafting. ShuttleCraft Books, 1992. ISBN: 0-916658-51-0
- WATSON, William. Watson's Textile Design and Colour. Newnes-Butterworth, 1912. Revised by Grosicki. 1975.
- WERTENBERGER, Kathryn. 8,12...20: an Introduction to Multi-shaft Weaving. Interweave, 1988.
- WEAVER'S. Iss: 6, 7, 12. Articles by Alice Schlein and Clothilde Barrett on Network Twills. Most other Issues have useful stuff in them.
- WINDEKNECHT, Margaret. Point Twill with Color-and-Weave. Self. 1989. ISBN: 0-9618797-1-8
- WOOD, Irene. 16 Harness Patterns, The Fanciest Twills of All. Robin & Russ. 1984.
- WORST, Edward. Foot Treadle Loom Weaving. Cloudburst Press. 1924, 1976
- ZIELINSKI, S.A. Encyclopaedia of Handweaving. Ryerson Press. 1959.