

## New Book.

Double Harness (Drawloom) Weaving Loom requirements How to modify existing looms Design techniques Examples

Publication Date – July 2014 Price \$34.95

Order from: The Woolgatherers Ltd. http://www.woolgatherers.com



## When A Single Harness Simply Isn't Enough

Double Harness Techniques to Produce Complex Patterning by

## Sara von Tresckow

Double harness weaving techniques are ancient and beautiful. A weaver is able to place carefully crafted patterns anywhere on the surface of a textile in ways not always possible with loom controlled patterns on multi-shaft looms. Double harness techniques can be executed on both simple looms and elaborate drawlooms. Double harness weaving opens up many possibilities to form a wide array of creative structures and unique textiles. The purpose of this book is to fill a void. There has never been a comprehensive work in English that included several types of double harness looms and their operation. Rather than a collection of projects and patterns, this book is meant as a guide to either acquiring a drawloom or modifying an existing loom to do double harness patterns when desired. The section on designing is meant to provide weavers with tools to create interesting textiles on their own.

Sara von Tresckow has been weaving since the late 1970's, first in Germany, and since 1990 in Wisconsin. Her venture into drawloom weaving began in 2003. She and her husband Hans are owners of The Woolgatherers, Fond du Lac, Wisconsin - a complete fiber shop for spinners, weavers and fiber artists.

Sara teaches and weaves using the shop as a studio. Hans builds small looms, repairs spinning wheels and creates spinning stools well known for their comfortable nature.

Contents	Inserted Warp Rods or Half Heddle Rods and Sword
FORWARD 7	52
Basic Terms 9	Single Unit Draw Attachment 53
Drafting Conventions 10	Pattern Shaft Draw Attachment 54
Introduction 12	Installing the Double Harness Loom 55
Double Harness Weaving 12	Warping and Adjusting the Drawloom. 55
What is a harness? 12	Building a Double Harness Loom using Damask Pulleys
Requirements for Double Harness Techniques 14	61
I. WEAVING AND PATTERN GENERATION 17	Building a Pattern Shaft Drawloom 65
Color and Weave Patterning 17	Building and Warping a Single Unit Drawloom 74
Pickup Patterns 17	VII. DESIGNING FOR DOUBLE-HARNESS WEAVING
Tapestry – Pictorial Patterning 18	83
Knotted Pile – Pattern by Pixel 18	Decisions, Decisions 83
Loom Controlled Pattern - Multiple shafts/ Treadles or	What does a Draft Look Like? 83
Dobby 19	Weaving Software for Double Harness Weaving 83
Basic Weave Structures 19	How to Represent Designs for Double Harness Patterns
Jacquard Looms (Single Thread Control) 21	85 
Patterning with More Than a Single Harness 22	The X-Shaft 86
II. DOUBLE HARNESS PATTERNING – WHAT IS IT? 23	Drafts for Supplemental Weft Patterns 87
How is Pattern Created? 23	Designing for Supplemental Weft Fabrics 88
Can I Weave Curves? 23	Creating Float Designs 89
What About Pattern Placement? 24	Damask and Opphämta on One Warp 91
III. HISTORY OF DOUBLE HARNESS WEAVING 26	Des igning for Damasks 93
Development of European Drawloom 26	Block Designs for Drall Weaves with More than Three
Drawlooms of Today 29	Blocks 93
IV. MECHANICS OF DOUBLE HARNESS TECHNIQUES	Configuring Pattern Shafts 94
30	Allover Pattern Without Floats 96
Pattern Forming Devices 30	Design on Selected Areas 96
Damask Pulleys 30	Non-repeating Designs 96
Pattern Rods Within the Warp 30	And What about the Ground Structure? 97
Pattern Heddle Rods (Half Heddles) 31	Other Structure Ideas 102
True Pattern Shafts 31	Beiderwand (Tied Weaves) 102
Individually Weighted Harness Cords 32	Doubleweave 102
The Double Harness Shed 32	VIII. MISCELLANEOUS 105
Neutral Shafts 35	Color and Weave and Double Harness 105
V. DOUBLE HARNESS DEVICES - HOW THEY FUNCTION	Sett 105
37	Materials 106
Pickup/Sword 37	Selvedges 107
Half Heddles 37	Keeping Your Place in the Pattern 109
Single Unit Draw System 37	Loom Waste Ideas 109
Pattern Shaft Draw System 38	IX. CONCLUSION 110
Combination Draw Looms 39	Sources 112
Enhanced Drawloom Types 39	Bibliography 115
Single Unit Drawloom 39	INDEX 119
Pattern Shaft Drawloom 40	
VI. CREATING A DOUBLE HARNESS LOOM 42	
Choosing and Configuring a Drawloom 42	
Hardware (Small Pieces) for Double Harness Weaving	NAME OF THE OWNER OWNER OF THE OWNER OWNE
45	15031
Long Eye Heddles 45	Cilification of the second
Shaft Sticks 46	11111
Weaving Sword 47	
Pickup Stick 47	
Pattern Heddles 47	
Lingos (Pattern Shaft Weights) 48	
Pattern Shed Weighted Bars 49	المركب المراكب
Hardware Needs by Device Type 51	150
Pickup and Weaving Sword 51	