CONTENTS

CHAPTER I

BACKED CLOTHS


CHAPTER II

DOUBLE CLOTHS

Double-Cloth Structure—Relative Proportions and Thicknesses of the Face and Backing Threads—Origination or Selection of the Face and Backing Weaves—Tying or Stitching—Construction of the Point-Paper Design—Construction of Double-Cloth Designs for Looms with Changing Boxes at one End only—Double-Cloth Beaming, Drafting, and Pegging—Effect of the System of Tying upon the Number of Healds—Special Features in Double-Cloth Designing—Position of the Backing Weave—Systematic Construction of Double-Cloth Designs—Reversible Double Weaves—Double-Cloths with Compound Face Weaves.

CHAPTER III

SPECIAL CLASSES OF DOUBLE CLOTHS

Double Cloths in which the Threads Interchange. Cut Double Cloths—Cut Effects produced by Interchanging the Threads—Designs in which the Cut is produced by interweaving the Threads in 3 and 3 order. Double Plain Cloths—Styles arranged 1 and 1 as to Colour—Correct Joining of Double Plain Weaves—Double Plain Horizontal Hairline—Intermingled Double Plain Effects—Specially arranged Double Plain Stripes—Double Plain Spotted—Broad Double Plain Stripes—Double Plain Cloths Specially Coloured in the Warp—Comparison with the First System—Cutting and Joining the Weaves—Methods of Colouring the Backing Ends—Method of Designing Stripe Patterns—Construction of Double Plain Check Patterns—Double Plain Effects in Three or Four Colours—Four-Shade Effects Coloured 1 and 1 in the Warp—Three-Colour Patterns arranged 1 Face, 1 Back in the Warp—Four-Colour Patterns arranged 1 Face, 1 Back in the Warp. Double Twill and Sixteen Stripe Designs.
CONTENTS

CHAPTER IV

Wadded and Centre-Stitched Double Cloths and Treble Cloths


88-106

CHAPTER V

Extra Weft Figuring


106-131

CHAPTER VI

Extra Warp Figuring


131-147

CHAPTER VII

Figuring with Extra Weft and Extra Warp

Economical Use of Extra Materials—Extra Warp and Extra Weft Spotting. Double Weave Combinations—Designs Produced in Double-Plain Weaves—Double Twill Weaves—Combination of Fine and Coarse Fabrics—Combinations of Double Weaves and Warp and Weft Float—Crepon Structures—Double Weave and Weft Figure on Warp-Rib Ground.

148-156

CHAPTER VIII

Special Jacquard and Harness Mountings and Systems of Designing

Comparison with Ordinary Jacquard and Harness Mounts. Sectional Jacquard and Harness Arrangements—Sectional Harness Ties—Special Connection of Hooks.
CONTENTS


CHAPTER IX

FIGURED MUSLIN AND DAMASK FABRICS


CHAPTER X

TAPESTRY AND UPHOLSTERY CLOTHS AND INGRAIN CARPETS

Tapestry and Upholstery Cloths—Figured Double and Treble Plain Cloths—Combinations of Double Plain and Weft or Warp Figure—Weft-Face Tapestry Cloths—Figuring with the Harness Threads—Diversity produced by Mixing the Wefts—Specially Stitched Weft Tapestry Cloth—Special Weft Tapestry Mounting—Warp-Face Tapestry Cloth. Scotch, Kidderminster, or Ingrain Carpets—Double Plain Cloth Jacquard—Operation of the Jacquard and Comber Boards—Method of Designing—Limitation of the Mounting—Weft-Face Ingrain Carpets—Reversible Four-Ply Weft Structure—Methods of Producing Variety. 186-208

CHAPTER XI

FANCY TOILET AND QUILT FABRICS


CHAPTER XII

GAUZE AND LENO FABRICS

Structure of the Cloths. Gauze Mounting—The Doup—Bottom and Top Douping—Gauze and Leno Drafting—Relative Position of Healds—The Easer or Slackener
CONTENTS


CHAPTER XIII

Jacquard Gauze and Leno Fabrics


CHAPTER XIV

LAPPET WEAVING AND DESIGNING

CONTENTS

CHAPTER XV
SWIVEL WEAVING AND DESIGNING

| Purpose of Swivel Mechanism—Swivel Ornamentation and Embroidery compared—General Description of Swivel Mechanism—Relation of Pitch of Shuttles to Repeat of Jacquard. Detached Swivel Figures—Imitation Embroidery. Special Swivel Style—Figuring with two or more Swivel Wefts—Combination of Swivel and Ordinary Figures—Production of Detached Figures in One Kind of Weft by Two Shuttles—All-over Swivel Figures. Power Swivel Mechanisms—All-over Figuring Swivel Loom—Rack and Pinion Swivel Loom—Circular Swivel Mechanism | 331-362 |

CHAPTER XVI
WEFT PILE FABRICS


CHAPTER XVII
TURKISH TOWELLING FABRICS

| Formation of the Pile—Turkish Towelling Weaves—Methods of Drafting and Denting—Terry Motions. Terry Ornamentation—Stripe and Check Dobby Patterns—Figured Terry Pile Fabrics—Mixed Colour Effects | 382-395 |

CHAPTER XVIII
WARP PILE FABRICS

| Formation of Warp Pile—Form of the Pile Wires—Structure of Warp Pile. Plain Warp Pile Fabrics—All the Pile over each Wire—Two Picks to each Wire—Three Picks to each Wire—Fast Warp Pile Designing—Method of Heald Drafting—Four Picks to each Wire—One-half the Pile over each Wire—Backed and Double Foundation Cloths—Warp Pile Astrakhan Textures—Reversible Warp Pile Structures—Double Plush Weaving—Ornamentation of Plain Warp Pile Fabrics. Stripe and Check Designs | 395-407 |

CHAPTER XIX
FIGURED WARP PILE FABRICS

| Figuring with Cut and looped Pile. Warp Pile Figuring on Ordinary Weave Grounds—Pile Figuring with Extra Threads—Figuring with Pile Threads which interweave in the Ground—Combinations of Pile and Figured Warp Rib. Combinations of Pile and Double Plain Cloth. Combination of Pile and Weft Figure. Loop Pile and Warp Rib Figure on Cut Pile Ground | 408-425 |
CHAPTER XX

FIGURED PILE FABRICS IN WHICH THE DESIGN IS DUE TO COLOUR


INDEX

425-446

451-461