## Contents

Introduction ..... 3
Textile materials ..... 5
Yarns ..... 5
Dyes ..... 5
Looms ..... 6
PART I
Woven Fabrics
ONE: Plain Weave (Plates 1-16) ..... 15
Fabrics with continuous warp and weft, equally visible ..... 15
Striped and plaid fabrics, 16
Fabrics made of discontinuous and interlocked yarns with visible warp and weft ..... 17First example (grids), 17. Second example (complex design), 18
Rep; warp and weft continuous, one of the two elements concealed ..... 19
Weft only visible, 20. Warp only visible, 20. Warp only visible; formed with discontinuous andinterlocking yarns, 20
Tapestry; concealed warp, discontinuous and predominant weft ..... 21
Reversible fabrics (total or partial), 23. Number of warp yarns and of weft yarns to the centi- meter, 23. Sectional wefts not wholly perpendicular to the warp, 23. Slits, 24. Means adopted to avoid slits, 24. Border of decorative motives, 26. Mixed techniques: warp left partially exposed, 26 Looped-pile fabrics ..... 27
TWO: Fabrics of Varied Weave (Plates 17-21) ..... 29
Twill ..... 29
Fabrics of twill structure $2 / \mathrm{l}$ in which the two elements are visible ..... 30
Fabrics of varied structure and of two alternating colors in the weft or in the warp, one element only being visible ..... 30Invisible warp, 31. Invisible weft, 31. Invisible warp, discontinuous weft, 33. Supplementary warpor weft yarns, three or four colors, 34. Supplementary warp or weft yarns forming floats on thereverse of the fabric, 34
Two-colored warp fabric with concealed weft, with design of unlimited extent in one of the two colors permitted by superimposing yarns ..... 36
Additional warp fabrics of two or three colors, with concealed weft and of varied construction, 36
THREE: Fabrics with Supplementary Decorative Warp or Weft Yarns (Plates 22-28) ..... 38
Supplementary decorative weft, brocaded fabrics, two types ..... 38
Special features of fabrics with supplementary decorative wefts ..... 39
Supplementary warp yarns ..... 41
Supplementary warp and weft yarns ..... 42
Decorative nonparallel warp or nonparallel weft yams ..... 42
FOUR: Double Cloth (Plates 29-32) ..... 44
Two warps and two wefts equally visible ..... 44
One element only visible, 45
Tubular weaving ..... 45Narrow fabrics, double straps and cylindrical cords, 46. Application of the double-weave principle(with one element concealed) to the two-color warp or weft technique with varied construction, 4748
FIVE: Gauzes (Plates 33-39) ..... 50
Crossing of the warp yarns in pairs (two-yarn gauze) ..... 50
Alternate crossing of three warp yarns (three-yarn gauze) ..... 51
Open work ..... 51
Irregular gauze ..... 52
Mixed techniques ..... 52
Embroidery on gauze ..... 53
SIX: Open-work Fabrics (Plates 40-47) ..... 54
Omission of the warp and weft yarns ..... 54
Open work in lozenge form ..... 55
Fabrics with square and triangular spaces (resembling knotting) ..... 56
Square space
Fabrics with discontinuous warp and knotted weft ..... 59
SEVEN: Fabrics with Wrapped Warp (Decorative Method) (Plate 88) ..... 60
EIGHT: Fabrics Made of Twisted Warp or Weft: Passementerie (Plates 48-49) ..... 62
Bands with twisted warp yarns ..... 62
Soles of sandals; twisted warp, 64
Fabrics with twisted weft; twining ..... 66
Passementerie made of eight yams (three colors) ..... 66
Soutache braid with six or eight yarns of one or several colors ..... 67

## Contents

NiNE: Dyed or Tie-dyed Woven Fabrics (Plates 49-53) ..... 68
Painting ..... 68
Painting with reserves, 69Dyeing with reserves69Dye applied after weaving (planghi), 69. Dye applied between the warping and the weaving(ikat), 70
PART II
Nonwoven Fabrics
TEN: Plaiting or Braiding (Plates 54-64) ..... 73
Plaiting of yarns with the lower ends left free ..... 74Plaiting with twisted yarns, 76. Plaiting with only one element visible, 76. Plaited passementerie, 78.Double plaiting, 79
Plaiting of yarns held firm at their ends ..... 80Simple plaiting, 80. Double plaiting, 81
Plaited cords and plaited coverings of cords ..... 83Plaiting with four strands in two colors, 84. Plaiting in square cross section with eight strands in twocolors, 84. Plaiting in round cross section with sixteen strands in two colors, 85. Plaiting withtwenty-four strands of three or four colors producing a round cross section and regular relief, 89 .Plaiting with thirty-two strands (sixteen plus sixteen) in four colors producing a round cross sec-tion, 92 . Plaiting with thirty-eight strands of varying thickness in four colors (grouped twenty-sixand twelve or twenty-four and fourteen) producing a square cross section, 94. Plaiting-weavingwith sixteen strands having the role of warp and with four or eight strands having the role ofweft, 95 . Plaiting of soles for sandals, 99
ELEVEN: Network (Plates 65-79) ..... 100
Network with rows of simple loops joined to each other ..... 100
Network made with simple looping ..... 101
Network made with complex looping ..... 102
Network made with Venice stitch ..... 102
Network made with overlapping loops ..... 102
Network made with superimposed loopings ..... 103 ..... 103
Network made with loop stitch (which has the appearance of knitting) ..... 104 ..... 104
Network in which the mesh is held by a simple knot ..... 105
Network in which the mesh is held by a knot in the form of two half hitches (square knot) ..... 106
Network made with loop or cut pile (with the appearance of velour); "furred" cords ..... 109
Network made with peruke stitch ..... 111
Network made with double twisting of the yarn of each mesh ..... 114 ..... 114
Network made with small rings arranged in rows of five and joined to one another ..... 114 ..... 114
TWELVE: Felt (Plate 70) ..... 116

## PART III <br> Ornamentation and Trimming of Fabrics

THIRTEEN: Embroideries (Plates 80-113) ..... 119
Simple embroideries resembling brocade or tapestry ..... 120
Embroideries with flat, smooth stitches ..... 120
Embroidery with chain stitch ..... 122
Embroidery with loop stitch ..... 122
Horizontal direction, 122. Oblique direction, 123. Vertical direction on an edge or border, 123.Network embroidery with loop stitch, covering a fabric, 124
Stem-stitch embroidery ..... 126
Wrapping of cords with stem stitch, 128
Embroidery on fabric with square open spaces and on network ..... 130
FOURTEEN: Trimmings (Plates 114-17) ..... 131
Applied objects ..... 131
Fringes ..... 133
Borders and edge finishes ..... 134
Tufts and tassels ..... 136
Summary ..... 137
Bibliography ..... 141

