CONTENTS.

PART I.
RAW MATERIALS, VARIETIES AND PROPERTIES.

CHAPTER I. 1—18
VARIETIES OF SHEEP AND SOURCES OF SUPPLY.

CHAPTER II. 19—28
INFLUENCE OF CLIMATE AND PASTURE.

CHAPTER III. 29—38
IMPURITIES IN WOOL.
CONTENTS

CHAPTER IV. 39—45
INFLUENCE OF CHEMICAL RE-AGENTS.

CHAPTER V. 46—56
THE PHYSICAL STRUCTURE OF THE WOOL FIBRE.

CHAPTER VI. 57—88
PHYSICAL PROPERTIES OF THE WOOL FIBRE AND INFLUENCE OF STRUCTURE.

PART II.
CLASSIFICATION, WASHING AND DRYING.

CHAPTER VII. 89—96
CLASSIFICATION OF WOOL.
CONTENTS

CHAPTER VIII. 97—104
WOOL SORTING.
66. Qualities of Wool in a Single Fleece. 67. Wool Sorting operation. 68. Denomination of Qualities of Sorted Fleece. 69. Spinning Capacities. 70. Graphic Division of Fleece into its possible Qualities. 71. Difference of Fibre in same Fleece.

CHAPTER IX. 105—115
WOOL SCOURING AND WASHING.

CHAPTER X. 116—150
WOOL WASHING MACHINERY AND PROCESSES.

CHAPTER XI. 151—166
WOOL DRYING.
94. The science of Wool Drying. 95. Drying Tests—Research Results. 96. The Hydro Extractor. 97. The Table Dryer. 98. Petrie’s and McNaught’s. 99. Textile Conveyor. 100. Principle and processing characteristics.
Contents

CHAPTER XII.  167–171
WORSTED AND WOOLLEN YARNS: A COMPARISON.

101. Wool suitable for Worsted or Woollen Yarns. 102. Structural differences between Worsted and Woollen Yarns. 103. Types of Cloth for which Worsted and Woollen Yarns are most suitable. 104. Differences of manipulation of Wool into Worsted or Woollen Yarn. 105. Illustrative differences between Worsted and Woollen Yarns.

PART III.
WORSTED PREPARING.

CHAPTER XIII.  172–179
GILLING OR LONG WOOL PREPARING.


CHAPTER XIV.  180–197
DRAFTING IN GILL BOXES.

CONTENTS

CHAPTER XV.  198—208

DOUBLE OR TWO-SCREW GILL BOXES.


CHAPTER XVI.  209—218

OILING WOOL.


PART IV.

WORSTED CARDING OR SHORT WOOL PREPARING.

CHAPTER XVII  219—228

OPENING PROCESSES AND REMOVAL OF LOOSE AND VEGETABLE IMPURITIES.

CONTENTS

CHAPTER XVIII. 229—241

OBJECT AND PROCESS OF WORSTED CARDING.


CHAPTER XIX. 242—254

CARD CLOTHING.


CHAPTER XX. 255—267

SETTING, SPEED, FUNCTIONS AND GRINDING OF THE VARIOUS CARD ROLLERS.