CONTENTS

CHAPTER I
INTRODUCTORY .................................................. 1

CHAPTER II
THE JACQUARD HARNESS: STRAIGHT-THROUGH, REPEATING, AND CENTER TIES ................. 6

CHAPTER III
THE JACQUARD HARNESS: MIXED OR COMPOUND TIES .............................................. 44

CHAPTER IV
THE PREPARATION OF JACQUARD CARDS BY HAND PLATES AND BY ORDINARY PIANO CARD-CUTTING MACHINES .................................................. 96

CHAPTER V
CARD-CUTTING MACHINES FOR BRUSSELS AND WILTON CARPETS ............................. 120

CHAPTER VI
COMPARISON OF DIFFERENT PITCHES IN JACQUARD CARDS ....................................... 133

CHAPTER VII
ZIGZAG PITCH CARD-CUTTING MACHINE FOR STIFF PAPER CARDS; POWER CARD-CUTTING MACHINE ............................................................... 139

CHAPTER VIII
FINE PITCH PIANO CARD (PAPER) CUTTING MACHINE ................................................ 151
CHAPTER IX
Reading-Boards: Piano Card-cutting Machine for the Lace Trade . 182

CHAPTER X
Reading-in Frames and Card-cutting Machines for Lace, Tapestry, and Similar Trades . . . 195

CHAPTER XI
Lacing and Wiring Cards by Hand . . . . 207

CHAPTER XII
The Relation between the Jacquard Machine and the Comber-board or Harness-reed . . . . 219

CHAPTER XIII
Mechanical Methods of Lacing Cards . . . . 235

CHAPTER XIV
Mechanical Methods of Stitching Cards . . . . 277

CHAPTER XV
Peg- and Lace-Hole Machines . . . . 296

CHAPTER XVI
Automatic Peg- and Lace-Hole Machines separate or combined with Lacing Mechanism . . . . 313

CHAPTER XVII
Ordinary-Pitch and Medium-Pitch Repeating Machines . . . . 325

CHAPTER XVIII
Fine-Pitch Repeating Machines . . . . 378

INDEX . . . . 425