

CONTENTS

	<i>Section</i>	<i>Page</i>
WOOL		
Classification of Textile Fibers	27	1
The Wool Fiber	27	4
Mode of Growth	27	4
Properties of Wool	27	5
Wool Substitutes	27	15
Sheep	27	17
Wool Consumption of American Mills	27	20
Wool Sorting	27	23
Qualities of Wool	27	26
Wool Sorters' Disease	27	29
Glossary of Trade Terms Used in Con- nection With Wools	27	30
WOOL SCOURING		
Dusting	28	1
Scouring	28	10
Impurities in Wool	28	11
Scouring Materials	28	13
Hard Water	28	18
Effect of Improper Scouring	28	20
The Scouring Process	28	22
Solvent Process	28	34
Thermometers	28	36
Specific Gravity	28	37
Hydrometers	28	38
WOOL DRYING		
Cold-Air Process of Drying Wool	29	2
Hot-Air Process of Drying Wool	29	5
Sectional Dryers	29	8
Hydro-Extractors	29	14

	<i>Section</i>	<i>Page</i>
BURR PICKING		
Types of Burr Pickers	30	3
Management of Burr Pickers	30	23
CARBONIZING		
Carbonizing Processes	31	2
Machines Used in Carbonizing	31	11
WOOL MIXING		
Method of Laying Out Mixes	32	3
Finding the Cost of Mixes	32	13
Mixing Pickers	32	16
Points of Management	32	23
Fearnaught	32	23
The Bramwell Automatic Picker Feed	32	26
WOOL OILING		
Lubrication of Wool	33	1
Lubricants	33	2
Tests for Oil	33	6
Methods of Oiling	33	7
WOOLEN CARDING		
Methods of Carding	34	5
The First Breaker Card	34	9
The Second Breaker Card	34	23
Finisher Card	34	25
Condensers	34	31
Winding Frame	34	39
Smith Cards	34	42
Furbush Cards	34	42
The Bramwell Automatic Weigher and Feeder	35	1
Torrance Balling Machine and Creel	35	10
Apperly Feed	35	19
Bates' Feed	35	24
Scotch Feed	35	24
Lap Feed	35	25
Operation of Woolen Cards	35	26

CONTENTS

v

<i>WOOLEN CARDING—Continued</i>	<i>Section</i>	<i>Page</i>
Metallic Burring Machines for First		
Breaker Cards	35	27
European Methods	35	32
Worsted Carding	35	34
Card Clothing	36	1
Sheet and Fillet Clothing	36	5
Setting Cards	36	11
Stripping Cards	36	20
Grinding	36	23
Truing Wooden Cylinders	36	37
Clothing Cards	36	39
Covering With Sheet Clothing	36	39
Covering With Fillet	36	41
Covering Ring Doffers	36	46
Carding Surface	36	48
Points in Management	36	51
Electricity in the Card Room	36	54
Weight of Roving	36	56
 <i>WOOLEN SPINNING</i>		
The Mule	37	4
Construction of the Mule	37	11
Operation of the Mule	37	60
Special Points	37	81
 <i>WOOLEN AND WORSTED WARP PREPARATION</i>		
Spooling	49	4
Worsted Creel	49	15
The Compressing Spooler	49	16
Dressing	50	1
Dressers	50	2
Size	50	11
Dressing Frame	50	13
Spool Creels	50	15
Warp Reels	50	19
Leasing	50	25
Beaming	50	26

WOOLEN AND WORSTED WARP PREPARATION—

<i>Continued</i>	<i>Section</i>	<i>Page</i>
Compressing Warps	50	29
Formation of Warps	50	33
Plain Warps	50	33
Fancy Warps	50	37
Drawing-In and Reeding	50	42