

CONTENTS

Part I. The structure and reactions of wool

1. Wool : its growth and purification	3
2. The morphology of wool	14
3. The constitution of wool	21
4. The molecular structure of wool	27

Part II. The processing of wool – 1

5. Oils	57
6. Soap	82
7. Wetting agents and detergents	103
8. Hard water	114

Part III. The processing of wool – 2

9. Crabbing and scouring	129
10. Carbonising and milling	141
11. Shrinkproofing and bleaching	155
12. Miscellaneous processes	170
13. Identification of faults in wool materials	177

Part IV. Identification of fibres quantitative analysis of fibre mixtures , and the analysis

Of some reagents

14. Identification of fibres	207
15. Quantitative analysis of fibre mixtures	221
16. Determination of pH values and the analysis of reagents	233

Appendix

Table of approximate atomic weights	249
Specific gravity of solutions of sulphuric acid	249
Specific gravity of solutions of sodium carbonate	250
Specific gravity of solutions of sodium bisulphite	250
Logarithms	251
Antilogarithms	253
Author index	255
Subject index	257