

CONTENTS

	Page
Author's Preface	1
1. What is Leather?	3
PART 1: HIDES AND SKINS	
2. Supply of Raw Hides and Skin to the Tannery	5
3. Flaying and Curing	8
4. Types of Hides and Skins and Principal uses	20
PART 2: PREPARATION FOR TANNAGE	
5. Measurements Used for Control of Processes	37
6. "A Little Relevant Chemistry"	52
7. Acidity and Alkalinity	70
8. Soaking	76
9. Tannery Process Vessels	86
10. Unhairing and Liming	96
11. Fleshing and Splitting	114
12. Deliming	126
13. Bating	131
14. Control of Acidity for Storage or Tannage; Paraffin Degreasing	135
PART 3: TANNING PROCESSES	
15. Tannage	144
16. Vegetable Tanning Materials	153
17. Heavy Leather Tannage	160
18. Tannage of Bellies, Shoulders, Upholstery Leather and Dressing Hides	173
19. Vegetable Tannage of Light Leathers	176
20. Chrome and Other Mineral Tannages	183
21. Aldehyde and Oil Tannages	208
22. Other Tannages	220
PART 4: FINISHING	
23. Processes After Tannage	234
24. Finishing Heavy Leather	249
25. Oils, Fats and Waxes	257
26. Sorting for Dyeing and Finishing	267
27. Dyestuff Types and Properties on Different Leather	273
28. Colour Matching in the Tannery Dyehouse	288
29. Dyeing Methods	299
30. Fatliquoring of Light Leathers	322
31. Drying	340
32. Finishing Light Leathers	355
33. Light Leather Finishes	374
PART 5: FUR TECHNOLOGY	
34. Fur Technology	425
PART 6: EFFLUENT	
35. Effluent and By-Product Problems	452
PART 7: RESISTANCE TO WATER	
36. The Resistance of Leather to Water	465

PART 8: TANNERY COSTING

37. Tannery Costing	469
Appendix	
1. Outline Recipes	477
2. Quality Control Standards	509
3. Conversion Factors and Tables	519
4. Chemicals Commonly used in Leather manufacture	528
5. Some Tannery Parameters	537
6. Rules of Mixing	541
7. Mechanical Action of Drums	543
8. Weights and Area Yields of Hides, Skins and Processed leather	550
9. Products and Suppliers	554
Index	561