CONTENTS

		Page
	SECTION I The Manufacture of Crude Undistilled Glycerol	
Chapter I Chapter II	Sources of Glycerol and Methods of Manufacture Soap Lye Glycerol – Outlines of Modern Process of Manufacture	3
Chapter III	Soap Lye Glycerol (continued) – Processes for Treating the Soap Lye Previous To Concentration for Salt Recovery	12
Chapter IV	Soap Lye Glycerol (continued) – Evaporation of Purified Soap Lye to Crude Glycerol – General Process of Concentration Described	28
Chapter V	Soap Lye Glycerol (continued) – Concentration of Purified Soap Lyes for Crude Glycerol in a Single Effect Pan Evaporator	41
Chapter VI	Soap Lye Glycerol (Continued) – Double Effect Pan Evaporators Used for Concentrating Purified Soap Lyes for Glycerol Recovery	50
Chapter VII	Soap Lye Glycerol (continued) – Process of Concentration of Purified Soap Lyes for Crude Glycerol in a Double Effect Pan Evaporator	59
Chapter VIII Chapter IX Chapter X	Evaporation in Triple Evaporators – Theory of Multiple Effect Evaporation Film Evaporators Manufacture of Crude Glycerol from Saponification, Autoclave, Twitchell, And Fermentation Glycerol	64 72 78
	SECTION II	
	The Manufacture of Distilled Glycerol	
Chapter I	Soap Lye Glycerol (continued) – Distillation of the Crude Glycerol – General Outline of Modern Process	3
Chapter II	Description of Different Types of Modern Plant and Processed for Distilling Glycerol	5
Chapter III	Practical Details for Manufacturing Dynamite Glycerol and Chemically Pure Glycerol by the Open System of Distillation	18
Chapter IV	Practical Details for Manufacturing Dynamite Glycerol and Chemically Pure Glycerol by the closed System of Distillation	25
Chapter V Chapter VI Chapter VII	Decolorising the Glycerol by means of Charcoal Miscellaneous methods of Refining Glycerol without the Use of Charcoal Utilisation of Glycerol Foots resulting from the Distillation of Glycerol	29 33 35
	SECTION III Miscellaneous Methods of Producing Glycerol	
Chapter I Chapter II Chapter III	The Manufacture of Crude Glycerol by the Fermentation of Sugars Miscellaneous Methods of Producing glycerol Synthetic Glycerol	3 10 16
	SECTION IV Properties, Technical Applications, and Statistics of Glycerol	
Chapter I Chapter II Chapter III	Properties of Pure Glycerol Technical Application of Glycerol Statistics relating to Glycerol	3 12 17

SECTION V Polymerised Glycerol and Glycerol Substitutes

Chapter I	Manufacture, Properties, and Estimation of Polymerised Glycerol	3
Chapter II	Glycerol Substitutes	7
	SECTION VI	
	Commercial Valuation and Analysis of Glycerol	
Chapter I	General Summary of Methods of Detecting and Estimating Glycerol	3
Chapter II	Undistiled Glycerol – International Standards Methods (I.S.M) of 1911	
1	For the Analysis of Crude Glycerine	8
Chapter III	Undistilled Glycerol – Valuation of Crude Commercial Glycerols	19
Chapter IV	Distilled Glycerol – Specifications for Pale Straw Glycerol and Chemically	
1	Pure Glycerol	28
Chapter V	Distilled Glycerol – Specifications for Dynamite Glycerol	34
Chapter VI	Distilled Glycerol – Preparation of the Sample of Refined Glycerol for Analysis	38
Chapter VII	Distilled Glycerol – Method of Estimating its Specific Gravity	39
Chapter VIII	Distilled Glycerol – Methods for its Chemical Examination	45
Chapter IX	Distilled Glycerol – Determination of Trimethylene Glycol Therein	48
Index to Subject	ts	1
Table of contents of Vols. I & II		13