512.83

## CONTENTS

Art.		Page
127.	Elementary Notions and definitions	1
128.	Rule with regard to signs,	4
129-1	32. Elementary propositions relating to determinants	
	Props. I-IV,	8
133.	Minor determinants. Definitions,	14
134.	Development of determinants,	15
135.	Laplace's development of a determinant,	20
136.	Development of a determinant in products of the leading constituents,	23
137.	Expansion of a determinant in products in pairs of the	
	constituents of a row and column,	25
138.	Addition of determinants Prop. V.,	26
139-1	40. Further propositions, Prop. VI and Prop. VII.	28
141.	Multiplication of determinants; Prop. VIII,	34
142.	Second proof of Prop. VIII,	36
143.	Rectangular arrays,	41
144.	Solution of a system of linear equations,	45
145.	Linear homogeneous equations,	48
146.	Reciprocal determinants,	50
147.	Symmetrical determinants,	53
148.	Skew-symmetric and skew-determinants,	56
149.	Theorem relating to a determinant whose leading first minor vanishes,	62
	Miscellaneous Examples	64—88