

CONTENTS

	Page
I Introductory Chapter; Definitions; Outline of Processes of Assaying	1
II Assay Furnaces and Tools	5
III The Assay of Reagents	36
IV The Preparation of the Assay Sample	49
V Weighing; balances and Weights	57
VI Reduction and oxidation Reactions	73
VII The Crucible Assay; Assay Slags	84
VIII Cupellation	97
IX Parting and Inquartation	131
X The Assay of Ores Containing Impurities	139
XI Special Methods of Assay	162
XII Errors in the Assay for Gold and Silver	137
XIII The Assay of Bullion	210
XIV The Assay of Ores and Alloys Containing Platinum, Iridium, Gold, Silver, Etc	223
XV The Assay of Tin, Mercury, Lead, Copper, Bismuth and Antimony	242
 Appendix	 253
 Author Index	 259
Subject Index	263