

# Contents

Abbreviations	xii
Introduction	xiii
Acknowledgements	xlvi
Chronology	xlvii
PART I. EARLY FOUNDATIONAL WORK	
1 Classes [1903]	3
a Draft of *12 to *16	5
b *12.5 etc.	31
c General Theory of Classes	35
2 Relations [1903]	38
3 Functions [1903]	49
a Functions and Objects	50
b Primitive Propositions for Functions	53
c No Greatest Cardinal	56
d Functional Complexes	65
e Complexes and Functions	69
PART II. THE ZIG-ZAG THEORY	
4 Outlines of Symbolic Logic [1904]	77
5 On Functions, Classes and Relations [1904]	85
6 On Functions [1904]	96
7 Fundamental Notions [1904]	111
8 On the Functionality of Denoting Complexes [1904]	260
9 On the Nature of Functions [1904]	264
10 On Classes and Relations [1905]	273
PART III. THE THEORY OF DENOTING	
11 On the Meaning and Denotation of Phrases [1903]	283
12 Dependent Variables and Denotation [1903]	297
13 Points about Denoting [1903]	305

14	On Meaning and Denotation [1903]	314
15	On Fundamentals [1905]	359
16	On Denoting [1905]	414

## PART IV. PHILOSOPHY OF LOGIC AND MATHEMATICS

17	Meinong's Theory of Complexes and Assumptions [1904]	431
18	The Axiom of Infinity [1904]	475
	Headnote to Replies to Hugh MacColl (19–20)	479
19	Non-Euclidean Geometry [1904]	482
20	The Existential Import of Propositions [1905]	486
21	The Nature of Truth [1905]	490
22	Necessity and Possibility [1905]	507
23	On the Relation of Mathematics to Symbolic Logic [1905]	521

## PART V. PHILOSOPHICAL REVIEWS

	Headnote to Two Reviews of Work on Leibniz (24–25)	535
24	Recent Work on the Philosophy of Leibniz [1903]	537
25	Review of Couturat, <i>Opuscules et fragments inédits de Leibniz</i> [1904]	562
26	Review of Geissler, <i>Die Grundsätze und das Wesen des Unendlichen in der Mathematik und Philosophie</i> [1903]	564
	Headnote to Two Reviews of Moore (27–28)	567
27	<i>Principia Ethica</i> [1903]	568
28	The Meaning of Good [1904]	571
29	Review of Delaporte, <i>Essai philosophique sur les géométries non-euclidiennes</i> [1904]	576
30	Review of Hinton, <i>The Fourth Dimension</i> [1904]	578
31	Review of Petronievics, <i>Principien der Metaphysik</i> [1905]	581
	Headnote to Two Reviews of Poincaré (32–33)	585
32	<i>Science and Hypothesis</i> [1905]	586
33	Review of Poincaré, <i>Science and Hypothesis</i> [1905]	589
34	Review of Meinong and Others, <i>Untersuchungen zur Gegenstandstheorie und Psychologie</i> [1905]	595

## APPENDICES

I	Frege on the Contradiction	607
II	Comments on Definitions of Philosophical Terms	620
III	Sur la relation des mathématiques à la logistiqu	622

	MISSING AND UNPRINTED PAPERS	633
--	------------------------------	-----

CONTENTS

ix

ANNOTATION	637
TEXTUAL NOTES	673
BIBLIOGRAPHICAL INDEX	713
GENERAL INDEX	727