

Contents

REVISER'S NOTE TO FIFTH EDITION	<i>page</i> v
PUBLISHER'S NOTE	vi
PREFACE	vii
I THE STUDY OF LOGIC	I
§ 1. Reflective Thinking. § 2. Argument. § 3. Validity and Truth. § 4. Form and Logical Forms. § 5. Logical Symbolism and Form	
II PROPOSITIONS AND THEIR RELATIONS	16
§ 1. Propositions and Sentences. § 2. Propositions, Mental Attitudes, and Facts. § 3. Assertion, Inference, and Implication. § 4. The Traditional Analysis of Propositions. § 5. Simple, Compound, and General Propositions. § 6. The Seven Relations between Propositions and the Figure of Opposition. § 7. Immediate Inferences	
III COMPOUND PROPOSITIONS AND ARGUMENTS	43
§ 1. Equivalents and Contradictories. § 2. Compound Arguments with One or More Composite Premisses	
IV THE TRADITIONAL SYLLOGISM	54
§ 1. Defining Characteristics of a Syllogism. § 2. Figures and Moods of the Syllogism. § 3. Reduction and the Antilogism. § 4. Polysyllogisms. § 5. Abbreviated Arguments and Epicheirema	
V INDIVIDUALS, CLASSES, AND RELATIONS	75
§ 1. Individuals and Characteristics. § 2. Classes. § 3. Relations. § 4. Class-inclusion and Class-membership; Single-membered Classes. § 5. Subclasses and Empty Classes. § 6. The Universe of Discourse and the Universal Class. § 7. Reconsideration of the Traditional Treatment	

of Opposition and Immediate Inferences. § 8. The Logical Properties of Relations and the Validity of Inferences

VI	CLASSIFICATION AND DESCRIPTION	<i>page</i> 100
	§ 1. Terminological Confusions. § 2. Connotation, Denotation, and Intension. § 3. Extension and Connotation. § 4. Classification and Division. § 5. The Predicables. § 6. Definition. § 7. Descriptions	
VII	VARIABLES, PROPOSITIONAL FORMS, AND MATERIAL IMPLICATION	126
	§ 1. Variable Symbols. § 2. Propositional Functions and General Propositions. § 3. Material Implication and Entailing. § 4. Extensional and Intensional Interpretations of Logical Relations	
VIII	LOGICAL PRINCIPLES AND THE PROOF OF PROPOSITIONS	146
	§ 1. The Traditional Laws of Thought. § 2. Necessary and Factual Propositions. § 3. The Necessity of Logical Principles. § 4. Persuasion and Proof. § 5. Is Syllogistic Proof Circular?	
IX	METHODOLOGY OF SCIENCE	166
	§ 1. Inductive Reasoning. § 2. Causal Laws. § 3. Methods of Experimental Inquiry. § 4. The Nature and Importance of Hypothesis. § 5. Systematization in Science	
	APPENDIX	187
	References and Exercises arranged in chapter order Key to the Exercises	
	INDEX	211