

CONTENTS

PREFACE	iii
I. INTRODUCTION TO AN OLD INDUSTRY	1
II. GLASS MANUFACTURE	9
III. FINISHING OPERATIONS	36
IV. GLASS DESIGN AND TOLERANCES	44
V. NATURE AND COMPOSITION OF GLASS	53
VI. PHYSICAL AND CHEMICAL PROPERTIES	63
VII. GLASS IN BUILDING CONSTRUCTION	89
VIII. GLASS CONTAINERS	109
IX. LABORATORY GLASSWARE	115
X. THE CHEMICAL INDUSTRY	124
XI. ELECTRIC LAMPS AND ELECTRON TUBES	138
XII. ILLUMINATION	164
XIII. OPTICAL GLASS	178
XIV. SPECIAL GLASSES AND APPLICATIONS	189
XV. FIBROUS GLASS	210
APPENDIX I. TERMS RELATING TO GLASS AND GLASS PRODUCTS	235
APPENDIX II. GEOGRAPHICAL INDEX OF AMERICAN AND CANADIAN GLASS FACTORIES	238
INDEX	247