

CONTENTS

INTRODUCTION 7

1	A MAN OF MANY TALENTS	8
	Picture Essay: 12,000 Engineers to Make a Car 16	
2	THE "OLD MAN" AND HIS HELPERS	32
	Picture Essay: The Wizard of Menlo Park 40	
3	FROM PYRAMID TO TELEGRAPH	54
	Picture Essay: Durable Works of Ancient Engineers 62	
4	THE MODERN METHOD: SYSTEMS ENGINEERING	76
	Picture Essay: Education without End 86	
5	SKYSCRAPERS, RADOMES AND CHIPS	100
	Picture Essay: The Challenge of a Great Bridge 108	
6	WASTE NOT, WANT NOT	122
	Picture Essay: The Most for the Least 132	
7	THE HUMAN FACTOR	144
	Picture Essay: Building Machines to Fit Men 154	
8	THE TOUGH PROBLEMS AHEAD	170
	Picture Essay: Designs for the Year 2000 178	

Great Engineers of Recent Centuries 193

Further Reading and Acknowledgments 196

Index 197

Picture Credits 200