## THE STEAM LOCOMOTIVE IN AMERICA

Its Development in the Twentieth Century

## **CONTENTS**

	Preface	xi
	Introduction	3
1.	Railways, Railroads, and Locomotives	6
2.	Early Development of the Steam Locomotive	18
3.	The Steam Locomotive Industry	45
4.	General Development of the Steam Locomotive, 1901 to 1950	75
5.	The Basic Development of Power Transmission, 1901 to 1950	95
6.	Development of Basic Elements	121
7.	Progressive Development of Individual Types of Steam	
	Locomotives	276
8.	Development of Special-Service Locomotives	35 <sup>2</sup>
9.	Growth and Development of the Steam Locomotive	373
0.	The Competitors of the Steam Locomotive	398
1.	The Future Design of the Steam Locomotive	412
2.	Résumé	419
	Index	425