RAILWAY CARRIAGES AND WAGONS

Theories and Practices

by

L. LYNES

M.B.E., M.I.Mech.E., M.I.Loco.E.

Formerly Technical Assistant to the Chief Mechanical Engineer, Southern Railway, England, for Carriages and Wagons

90

LONDON:

Locomotive Publishing Co. Std.

Contents

					Page	No.
Preface						3
Introduction						5
Chapter One	THE CARE	RIAGE BODY				7
Chapter Two	PAINTING					43
Chapter Three	THE CARR	IAGE UNDER	FRAME			53
Chapter Four	THE BOGI	Е				62
Chapter Five	WAGON D	ESIGN				71
Chapter Six	BUFFING A	AND DRAWG	EAR			82
Chapter Seven	WHEELS A	ND AXLES				97
Chapter Eight	AXLEBOXE	es				114
Chapter Nine	LAMINATE	D, HELICAI	ANI	o Voi	UTE	
and the second s	SPRINGS	s by H. R. C	Carver			128
Chapter Ten	BRAKES					159
Chapter Eleven	TRAIN LIC	GHTING			٠	174
Chapter Twelve	CARRIAGE	HEATING	AND	Air (CON-	
	DITIONI			• •	• •	182
Chapter Thirteen	WAGON B			• •		192
Chapter Fourteen		IVE REPAIR			IING	207
Cl. F.C	STOCK			• •		207
Chapter Fifteen		ANCE AND NG STOCK	CLE	ANING	OF	210
Chapter Sixteen		AND WAGO	50.50			214
Chapter Seventeen		STOCK AND				220
Chapter Eighteen		VE TREATM				
	FURNIT					226
Chapter Nineteen	CARRIAGE	Doors —	- Man	UAL	AND	
	Power-	OPERATED				229
Chapter Twenty	WAGONS	AND MECHA	NICAL	HANDI	LING	234
Chapter Twenty-One	RAILWAY	Gauges				241
Chapter Twenty-Twe		s Used in		RIAGE	AND	
		CONSTRUCT			• •	246
Chapter Twenty-	_	BEAMS AND			EOUS	257