

CONTENTS

	PAGE
Introduction	7
Definition of structural timber	7
Canada's forests and timber supply	
British Columbia, Alberta, Northwest Territories, Saskatchewan, Manitoba, Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island.	
Imports and exports	10
Principal structural woods	10
General properties of all woods	12
Structure, weight per cubic foot, relation of strength to density, moisture content, effect of moisture on strength, shrinkage.	
Decay and durability	11
Strength	16
General conclusions, relation of loading to failure, relation of species and grade to strength, comparative strength of different species.	
Mill construction as an example of the use of structural timber.	18
The most important coniferous woods of Canada.	15
Douglas fir, comparison of Douglas fir and southern pines, strength of Douglas fir and longleaf pine, prices of Douglas fir, western hemlock, western larch, eastern hemlock, western yellow or soft pine, tamarack, red pine, the spruces.	
Important woods not structural timbers.	23
Certain pines, the true red cedar, yellow cypress.	
Grading	33
Density, direction of grain, moisture, sapwood, defects.	
Grading rules and specifications for structural timber.	37