	ACE		AGE
Mineral Production, Canada (1)	AGE 397	Recent Development in Bituminous Macadam and	
Canadian Timber in Demand (11/4)	401	Bituminous Concrete Pavements (7)	527
Forest Protection in Canada, 1013-14 (½) ·······	403	Poils (all)	547
Creosote Industry (½) New Laboratories at Ottawa (½)	419	Slag Portland Cement (2)	550
Steel Company of Canada (½)	441	Tests of Effect of Method of Bending upon the Supporting Strength of Drain Tile and Sewer Pipe (4%)	552
Fuel Oils from Coal (½)	443	Substitute for Platinum (1/4)	554
Preparing for the Future (½)	449	Use and Care of Explosives (5)	573 595
(1/)	491	Standard Specification for Cement (½) Aggregate Studies at Winnipeg Aqueduct (3½)	606
Canadian Casualty and Boiler Insurance Co. (¼) Apr. 27 Zinc (¼)	50	Spherical Rearings versus Flat Plates in Crushing Tests	6
Substitute for Platinum (1/4)	554	on Bricks (4½) Specifications for Piles and Poles (½)	614
Shiphuilding in Canada (34)	554	Fluving of Asphalt (1/2)	623
Quarterly Report of Ontario Bureau of Mines (1¼) Shipbuilding in British Columbia (¼)	628	Hydrated Time in Concrete Pavements (6½)	632
(Waste (F)	657	Equitable Specifications and Contracts (3)	660
Tannage and Shiphuilding (11/4)	665	Two Inch Wood Block Pavement (1)	666
Increasing Mineral Output (½) System of Physical Chemistry (½)	686	Treated Wood Block Flooring (3)	683
Industrial Research (½)	689		
		DAILWAYC	
AFFERS TO THE EDITOR		RAILWAYS.	
LETTERS TO THE EDITOR.		New Ocean Terminals at Halifax, N.S. (7)	101
Rapid Transit for Toronto (1½)	141	Ontario's Hydro-Radials (1)	117
Interesting Point in Retaining Wall Design, An (1½)	270	Railroad Situation. The (1)	117
Oil Tar Creosotes (2¾)	289 337	Effect of Car Lines on Real Estate Values (½) Transportation Commission for Toronto (1)	141
Stresses in Lattice Bars of Channel Columns (14)	301	Panid Transit for Toronto (11/2)	141
Stresses in Lattice Bars of Channel Columns (21/4)	398	Crowth of Street Railway Traffic in Relation to Popu-	144
Stresses in Lattice Bars of Channel Columns (2½) Placing Concrete in Frosty Weather (1½)	399 423	lation (1)	168
Stresses in Lattice Bars of Channel Columns (3½)	423	Wood Suitable for Cross-Ties (2)	169
Stresses in Lattice Bars of Channel Columns (14)	445	Develoment of Transportation Facilities in British Columbia (12)	205
Oil Tar Creosotes (¾) Escher-Wyss and Company (½)	400	Development of British Columbia, The (1)	217
Stragges in Lattice Bars of Channel Columns (81/2)	510	Main Street Subway, Moncton, N.B. (5)	221
Stresses in Concrete Dams (1)	515	struction (I)	223
Need of Sewage Disposal Plants (1/2)	550	Tunneling at Roger's Pass (1½)	232
Revision of the Patent Act (¾)	505	Unusual Railway in the West, An (¼) Notes on Tunnel Survey Work (9)	232
Another Water Powers Investigation? (34)	645	Better Railway Equipment Needed (1/4)	201
Another Water Powers Investigation? (1/4)	666	Federal Government Expenditures in 1916-17 (1/4)	203
		Railway Work in Northern Alberta (½)	287
		Concrete Pipe Tunnel, N.T.R., Quebec (21/4)	288
MATERIALS.		Hydro-Radials in Peril (½)	315
		Novel Rail Section (34)	343
Progress in Asphalt Refining, with Notes on Mexican	n	Spring Clean-up for the Railroads (1)	359
Asphaltic Crudes (3) Examination of Bituminous Road Materials (2)	. 122	Hudson Bay Road (½) Design of Passenger Terminals (8)	373
Pitch Fillers for Block Pavements (2)	. 157	Liability of Military Railroads (34)	377
Wood Suitable for Cross-Ties (2) (814)	. 169	Elements of Railroad Track and Construction (1/2) Railway Regulation (1/4)	403
Factors Affecting the Life of Concrete Structures (8½) Essential Physical Properties of Sand, Gravel, Slag and	d	Railway Maintenance Engineering (1/4)	404
Broken Stone for use in Bituminous Pavements (7)	. 224 .	Frie Railroad Library (1/4)	420
Limitations of Results of Tests of Bituminous Ma terials (7)	. 277	Railroad Development in Canada (3½)	3 44-
How Long Will Our Timber Last? (1½)	. 286	Tunnel (4¼)	. 407
Value of Ontario's Nickel (1½)	. 287	American Railroad Bridges (6) Principles of	. 481 f
Oil Tar Creosotes (2¾)	. 209	Oil Fuel Equipment for Locomotives and Principles of Application (1/4)	. 491
ment (3)	. 312	Nick and Break Test in the Inspection of Stee	1
Wood as a Paving Material (4)	. 325	Rails (2½) Hudson Bay Railway (¼)	. 547
an Asphaltic Binder (7½)	. 347	Fire Protection on Railways (1/2)	. 621
Proper Use of Gravity Chutes (2)	. 370	Fauitable Specifications and Contracts (3)	. 038
Treated Wood Block for Factory Flooring and Misce laneous Uses (½)	. 373	Maintenance of Way and Structures (34)	. 007
Creosoted Wood Block Pavements (4½)	. 393		
Canadian Timber in Demand (11/4)	. 401		
Types and Costs of Slack Cable Excavation Plants (2½ Moving a Sand Bin (2½)	. 410	ROADS AND STREETS.	
Effect of Alkali on Concrete (1)	. 425	ACADO MILO	
Influence of Temperature on the Strength of Concret		Creosoted Wood Block on Grades (1/2)	118
Oil Tar Creosotes (¼)	. 445	Canadian Highway Development, with Notes Regardin	ig .
Methods of Creosoting Douglas Fir (1)	. 460	Ontario's System (5) Progress in Asphaltic Refining, with Notes on Mexica	
Reinforced Concrete as Applied to Waterworks Construction (2½)	405	Asphaltic Crudes (3)	. 122
Accelerated Pavement Tests (¾)	515	Examination of Bituminous Road Materials (2)	138