

	PAGE
Instruction to County Road Superintendents	143
Keefer, T. C. (C.M.G.C.E., LL.D.)	143
Laying Pavements Down and Tearing Them up Again	511
Lignite Resources of Saskatchewan	271
Liquidation of a Notable Firm.....	391
Liquid Chlorine, Water Purification by	443
Loading Bill, The Henry Vehicle ..	467
Metallurgy in Great Britain.....	511
Municipal Finances, Decreased Borrowings and Economical Manipulation of.....	321
Municipal Government, Time for a Change in	391
Municipal Research, Toronto Bureau of	655
Natural and Functional Depreciation Niagara Power	703
Nickel Export, The Government and the	635
Notable Firm, Liquidation of a....	119
Nova Scotia, Water Power Investigation in	391
Oiling of Highways	587
Ontario, Important Highway Bill for	417
Power, Niagara	443
Prepare now for Busy Times.....	635
Prices, Steel Rail	249
Professional Charges of Engineers	367
Protective Painting, Structural Steel	535
Public Works Programme to be Carried Out, Dominion.....	221
Rail Development, Future Steel....	683
Rail Prices, Steel	563
Railway Electrification in 1914.....	367
Residuals, Coal-Tar	197
Resources of Saskatchewan, The Lignite	703
Road Engineers, There is Work for More	271
Roads Again, Rubber	683
Road, The Toronto-Oshawa.....	635
Royal Commission on Sewage Disposal, Great Britain	635
Rubber Roads Again	401
Run-off from Drainage Areas	635
Saskatchewan, The Lignite Resources of	367
Selling to Engineers	271
Skating Rinks, Snow Loads on....	321
Snow Loads on Skating Rinks	240
Steel Rail Development, Future	240
Steel Rail Prices	563
Structural Steel Protective Painting	367
T. H. & B. Grade Separation, Hamilton	221
Theory of Corrosion, Electrolytic..	491
There is Work for More Road Engineers	295
Time for a Change in Municipal Government	683
Toronto Bureau of Municipal Research	391
Toronto-Oshawa Road	655
Utilization of Canadian Water Power	635
Varying Amount of Water in Concrete Mixing, Effect of	177
War and the Engineers	467
	655

	PAGE
Water Controversy in the West, Boundary	655
Water in Concrete Mixing, Effect of Varying Amount of	467
Water Power Conservation and Use.	607
Water Power Investigation in Nova Scotia	587
Water Purification by Liquid Chlorine	443
Works Programme to be Carried Out, Dominion Public	683

ARTICLES.

ARCHES: Design of

- *Some Modern Methods of Arch Calculation

348

BEAMS: Design of

- *Shearing Resistance of Reinforced Concrete Beams
- *Tests of Beam Connections
- *The Design of Reinforced Concrete T-Beams

500

605

458

BITUMEN: Canadian Production of

- Report on Bituminous Sands of Northern Alberta

478

BREAKWATERS: Construction of

- *Breakwater and Ferry Landing Construction at Carleton Point, P.E.I.

278

BRIDGES: Construction of

- *C.P.R. Bridge Over Lachine Canal
- Government Bridge Work in Nova Scotia
- *Highway Arch Bridge, St. John, N.B.
- *New Overhead Bridge at Moose Jaw

506

442

554

583

BRIDGES: Contracts for

- The Second Narrows Bridge Award

317

BRIDGES: Design of

- *Billings Bridge Over Rideau River, Ottawa
- Concrete Ballasted Deck Construction of Railway Viaducts.....
- Impact Coefficients for Railway Girders
- *Lachine Canal Double Track Swing Bridge
- *New Highway Bridge at Saskatoon, Sask.
- *St. Clair Avenue Bridge, Toronto

303

460

548

615

351

136

BRIDGES: Design of Floors

- *Waterproofing Design for Railroad Bridges

133

BRIDGES: Erection of

- *Foundations for Railway Bridge Over the St. John River, N.B.

198

BUILDINGS: Construction of

- *Unit Construction in Concrete Mill Building

163

CANALS: Construction of

- *Slope Protection, New Welland Ship Canal

443

CANALS: Equipment for

- *Lock Entrance Caisson, Panama Canal

580

CEMENT: Qualities of

- High Pressure Steam Test of Cement

575

CONCRETE: Aggregates for

- Sand and Coarse Material in Proportioning Concrete

702

CONCRETE: Characteristics of

- *Temperature Changes in Mass Concrete

670

CONCRETE: Construction in

- Avoiding Defects in Concrete Work

627

CONCRETE: Ingredients for

- The Use of Slag in Concrete

502

CONCRETE: Pneumatic Placing of

- *Pouring Concrete by Compressed Air

223

CONCRETE: Strength of

- *Effect of Age and Curing on the Strength of Concrete.....

489

CONSTRUCTION: Management of

- Methods of Construction Management

383

CONTRACTORS' COSTS: Recording of

- *Cost Method for Contractors....

465

CONTRACTORS: Equipment for

- *A Portable Drag-Line Excavator.

477

DAMS: Construction of

- *Dam and Log Slide, High Falls, Quebec
- *Eugenia Falls Earth Storage Dam

101

253

DAMS: Design of

- Types of Movable Dams

217

DRAINAGE: Methods of

- *Cobalt Lake Drainage Project..
- Drainage Problems in Saskatchewan

567

519

ELECTRICITY: Canadian Production of

- Canadian Export of Electricity...

196

ELECTROLYSIS: Prevention of

- Prevention of Electrolysis by Painting

481

ELEVATORS: Construction of

- *Grain Elevators and Their Construction
- *G.T.R. Windmill Point Elevator Annex, Montreal

407

524

ELEVATORS: Operation of

- Electricity in Grain Elevators at Port Arthur and Fort William.

689

ENGINEERING: Administration of

- Legislation and the Engineer.....

108

ENGINEERING: Ethics of

- Business Ethics of the Mining Engineer

195

ENGINEERING OFFICE: Organization of

- Essentials of an Engineering Office Organization

602

ENGINEERING: Progress of

- Engineering in England During 1914, and Outlook for 1915....

185

ENGINEERING: Publicity in

- The Education of the Public...

289

ENGINEERING SOCIETIES:

- Activities of
- Annual Meeting, Canadian Society of Civil Engineers
- Annual Meeting, Dominion Land Surveyors
- *Canadian Society of Civil Engineers

207

222

149

ENGINEERING SOCIETIES:

- Growth of
- *Canadian Society of Civil Engineers' Growth

179

ENGINEERING STUDIES: Investigation of

- The Relation of Mathematics to Engineering

625

*Illustrated.