

BOOK REVIEWS.

	PAGE
Air-Craft in War and Peace ($\frac{1}{2}$)	578
Altitudes in Canada ($\frac{1}{4}$)	192
American Civil Engineers' Pocket Book ($\frac{3}{4}$)	577
American Sewerage Practice, Vol. 3 (1)	291
Caisson as a New Element in Concrete Dam Construction, The ($\frac{1}{4}$)	491
Civil Engineers' Cost Book ($\frac{1}{2}$)	404
Concrete on the Farm and in the Shop ($\frac{1}{4}$)	577
Concrete Silos ($\frac{1}{4}$)	192
Dams and Weirs ($\frac{1}{4}$)	492
Dictionary of Altitudes in the Dominion of Canada ($\frac{1}{4}$)	490
Electricity and Resistance of the Materials of Engineering (1)	193
Elements of Highway Engineering ($\frac{1}{4}$)	404
Elements of Mechanics of Materials ($\frac{1}{4}$)	192
Elements of Railroad Track and Construction ($\frac{1}{2}$)	403
Empire Directory and Year Book ($\frac{1}{4}$)	405
Engineering as a Career ($\frac{1}{2}$)	403
Engineering Office Systems and Methods (1)	687
Example in Magnetism ($\frac{1}{4}$)	193
First Course in Engineering Science ($\frac{1}{4}$)	193
Forest Protection in Canada, 1913-14 ($\frac{1}{2}$)	403
General Specifications for Concrete Bridges ($1\frac{1}{4}$)	578
Geodetic Surveying ($\frac{1}{4}$)	403
Hydraulic Flow Reviewed (1)	577
Hydraulics (1)	685
Industrial Leadership ($\frac{1}{2}$)	404
Irrigation Practice and Engineering ($\frac{1}{2}$)	685
Land and Marine Diesel Engines ($\frac{1}{4}$)	193
Machine Design ($\frac{1}{2}$)	405
Maintenance of Way and Structures ($\frac{1}{4}$)	687
Masonry Dam Design (1)	686
Mechanical Engineers' Handbook ($\frac{1}{2}$)	687
Mechanical World, Electrical Pocket Book for 1916 ($\frac{1}{2}$)	405
Mechanical World, Pocket Diary and Year Book ($\frac{1}{4}$)	192
Metal Statistics ($\frac{1}{2}$)	405
Metallography and Heat Treatment of Iron and Steel ($\frac{1}{2}$)	491
Oil Fuel Equipment for Locomotives and Principles of Application ($\frac{1}{4}$)	491
Overhead Transmission Lines and Distributing Circuits; Their Design and Construction (2)	402
Oxy-Acetylene Welding and Cutting, Electric and Thermit Welding ($\frac{1}{4}$)	490
Parks and Park Engineering ($\frac{1}{2}$)	578
Pole and Tower Lines for Electric Power Transmission ($1\frac{1}{4}$)	490
Practical Design of Steel-Framed Sheds ($\frac{1}{2}$)	578
Practical Surveying (1)	403
Proceedings of American Electric Railway Engineering Association ($\frac{1}{2}$)	492
Proceedings of the Pan-American Road Congress ($\frac{1}{2}$)	578
Railway Maintenance Engineering ($\frac{1}{4}$)	404
Railway Regulation ($\frac{1}{4}$)	404
Revington Notes on Building Construction ($\frac{1}{2}$)	193
System of Physical Chemistry ($\frac{1}{2}$)	686
Tacheometer Surveying ($\frac{1}{4}$)	404
Water Power Engineering ($1\frac{1}{2}$)	193
Water Supply for Country House ($\frac{1}{4}$)	193
Waterworks and Sewerage Systems of Canada ($\frac{1}{2}$)	685
Web of Steel, The ($\frac{1}{2}$)	578
Wiring Houses for the Electric Light ($\frac{1}{2}$)	490

BRIDGES.

Direct-Lift Bridge at Ottawa (3)	155
Aerial Cableway at Niagara Falls, Ont. ($11\frac{1}{2}$)	161
Main Street Subway, Moncton, N.B. (5)	221
Cost of Drilling Anchor Bolt Holes for Quebec Bridge ($\frac{1}{2}$)	236
Transferable Lift Span for Bridge ($\frac{1}{4}$)	247
Engineer and Standards of Beauty, The ($13\frac{1}{2}$)	255
Painting and Maintenance of Highway Bridges ($5\frac{1}{2}$)	264
Some Minor Problems in a Highway Bridge Design (3)	306
Cost-Keeping and Efficiency in Engineering (6)	329
Making Bottom for Piles Before Driving (1)	365
Proper Use of Gravity Chutes (2)	370
Strachan Avenue Bridge, Toronto (7)	385
Impact Formulas for Highway Bridge Design ($6\frac{1}{2}$)	407
Impact Formulas for Highway Bridge Design, Pt. 2 (6)	429

Graphical Treatment of Elastic Ribs (7)	457
Graphical Treatment of Elastic Ribs, Pt. 2 ($5\frac{1}{2}$)	477
American Railroad Bridges (6)	481
Highway Bridge Development in Ontario ($5\frac{1}{2}$)	503
Design of Masonry and Concrete Arches (6)	542
General Specifications for Concrete Bridges ($1\frac{1}{4}$)	578
New Quebec Bridge (7)	583
Engineering and Good Government ($1\frac{1}{2}$)	611
Equitable Specifications and Contracts (3)	638
Temperature Stresses in a Series of Concrete Girder Spans Under Different Conditions of End Supports (3)	679

EDITORIALS.

King Honors Canadian Engineers, The ($\frac{1}{2}$)	117
Ontario's Hydro-Radials (1)	117
Railroad Situation, The (1)	117
Transportation Commission for Toronto (1)	141
Canadian Research Bureau (1)	141
Present Status of Hydro-Electric Power Plant Practice (1)	167
Canadian Society of Civil Engineers ($\frac{1}{4}$)	167
Western Canada Power Company ($\frac{1}{4}$)	167
Ontario's Progress in Highway Organization ($\frac{1}{4}$)	191
Zinc, Copper and Nickel Refinery in Canada (1)	191
Development of British Columbia, The (1)	217
Canadian Water Powers for Canadian Needs (1)	217
Niagara River Pollution ($\frac{1}{4}$)—See correction, p. 244... ..	217
Canada's Capitol Fire ($\frac{1}{4}$)	241
Coal Situation in Saskatchewan (1)	241
Winnipeg-Shoal Lake Aqueduct (2)	241
Military Training and Engineering (1)	269
Serious Pollution of Streams in Canada ($\frac{1}{4}$)	269
Design of Lattice Bars ($\frac{1}{4}$)	289
Ice Conditions in Hudson Bay and Strait (1)	289
New Estimate for Construction of the Toronto-Hamilton Highway ($1\frac{1}{4}$)	315
Hydro-Radials in Peril ($\frac{1}{2}$)	315
Selection of Engineer Officers ($\frac{1}{2}$)	337
Civic Improvement League ($\frac{1}{2}$)	337
Harnessing the Tides (1)	359
Spring Clean-up for the Railroads (1)	359
Altitudes in Canada ($\frac{1}{4}$)	360
Hydro-Electric Development in Ontario (1)	383
Interesting Report, An ($\frac{1}{4}$)	383
Canadian Timber in Demand ($1\frac{1}{4}$)	401
Stresses Determined by Means of Polarized Light ($\frac{1}{2}$)	401
Making Goodwill a Real Asset (1)	427
Development of the Telephone ($1\frac{1}{4}$)	427
Preparing for the Future ($\frac{1}{2}$)	449
Engineering Council, An ($\frac{1}{4}$)	449
Escher-Wyss Firm Investigated ($\frac{1}{4}$)	449
Interchange of Ideas Among Engineers (1)	471
Some State Secrets ($\frac{1}{2}$)	471
Water Disinfection (1)	471
Calgary Engineers Settle Dispute (2)	493
Accelerated Pavement Tests ($\frac{1}{4}$)	515
Sewage Disposal Plants Needed ($\frac{1}{4}$)	515
United States Protests Ontario's New Power Scheme ($1\frac{1}{4}$)	537
Correction re Trinidad Asphalt ($\frac{1}{2}$)	537
Load of Vehicles Act (1)	537
Montreal Engineers Petition City to Investigate Aqueduct Enlargement ($1\frac{1}{4}$)	559
Water Transportation in Canada ($\frac{1}{4}$)	559
Activated Sludge ($1\frac{1}{4}$)	581
Interesting Announcement, An ($\frac{1}{4}$)	581
Winnipeg River Power and Storage Investigations ($\frac{1}{2}$)	601
Collecting Highway Data ($\frac{1}{2}$)	601
Another Water Powers Investigation? ($\frac{1}{4}$)	601
Fluxing of Asphalt ($\frac{1}{4}$)	623
Prevention of Typhoid ($\frac{1}{2}$)	623
Montreal Aqueduct Scheme Approved ($\frac{1}{4}$)	623
Soo Canal Loses Traffic ($\frac{1}{2}$)	623
Non Sibi, Sed Patriae ($\frac{1}{4}$)	645
Underground Power Transmission ($\frac{1}{2}$)	645
Answering One's Mail ($\frac{1}{4}$)	665
No Further Water Power Investigation at Present ($\frac{1}{4}$)	665
Tonnage and Shipbuilding ($1\frac{1}{4}$)	665
Industrial Research ($\frac{1}{2}$)	689
Engineer's Library, The ($\frac{1}{4}$)	689
Economic Value of the Good Roads Movement ($\frac{1}{4}$)	689