

Hotel, Toronto—New King Edward*; Victor J. Blackwell. 259.
House Construction—Structural Advantages of "Gunite" Type of. 361.
Houses—Monolithic Concrete. 451.
Housing and Town Planning: A Survey; H. L. Seymour. 499, 530.
Housing and Town Planning; James White. 347.
Howard, Norman J.; Alumina Hydrate in Mechanically Filtered Water. 461.
Hull—Judge Fines City of. 469.
Hull—Quebec Health Board vs. 420.
Hull vs.—Quebec Board of Health. 442.
Hydrate in Mechanically Filtered Water—Alumina; Norman J. Howard and Frank Hannan. 461.
Hydration and Shrinkage of Mortars†. 390.
Hydraulic Field—Dominion Bridge Enters. 420.
Hydraulic—Fill Dams*; Allen Hazen. 443.
Hydro-Electric Development at Ranney's Falls*. 457.
Hydro-Electric Development at St. Jerome, Que.*; L. A. Wright. 299.
Hydro-Electric Development—New 18,000 k.v.a.; H. L. Trotter. 305.
Hydro-Electric Enterprise—British Readiness for. 548.
Hydro-Electric Ice Troubles†. 233.
Hydro-Electric Plant—Duties of a Young Engineer on the Construction of a*; H. S. Slocum. 375.
Hydro-Electric Power Commission's Radial Railway Projects—Review of Present Status of Ontario. 138.
Hydro-Electric Power Project—Wendigo Lake. 182.
Hydro-Electric Steam Reserve Plant. 598.
"Hydro"—More Water Needed by the. 365.
Hydro Radials—Ontario Municipalities Favor. 435.
Hydro Radials—Good Outlook for†. 602.
Hydro-Steam Reserve for Ontario. 469.
Hydro Uniform Rate Association†. 429.
Hydro's Metal—Bureau of Standards Criticizes. 159.
Hydro's Proposed Expenditures—Ontario. 366.
"Hydro's" Reply to Bureau of Standards' Criticisms; Roderick B. Young. 137.
Hyman Tannery Building, London, Ont.*; R. E. W. Hagarty. 495.

I

Ice Troubles—Hydro-Electric†. 233.
Incinerator—New Toronto*; E. A. James. 175.
Incorporate—Saskatchewan Engineers Will. 441.
Incrustation in Vancouver Sewer Pipe**; A. G. Dalzell. 260.
Industries Conference at Ottawa—Construction. 212.
Industries in the United States—Growth of the Federation of Construction. 228.
Industry in Canada—Central Electric Station*. 593.
Industry in Canada—Need for Organization of the Construction; J. P. Anglin. 227.
Industry—Status of Creosoted Block. 482.
Industry—The Niagara Offensive Against†. 602.
Inspecting Railway Bridges—Methods of. 408.
Inspection on Bidding Prices—Influence of Specifications and Competent; H. S. Mattimore. 309.
Institute of Canada—Engineering†. 217.
Institute—Report of Committee on Fireproofing of the American Concrete. 505.
Institute's Scale!—Adopt the†. 349.
Instrument Case—A. Handy***; John S. Watts. 390.
Insulation of Concrete Walls; Noland D. Mitchell. 422.
Insurance—Winnipeg Water District to Carry Own. 531.
Intake and Sedimentation Basin at Sarnia—New*; F. W. Thorold. 413.
Intercepting Sewer for Essex Border Utilities Commission—Unit Cost of Labor on Construction of*; Charles W. Tarr. 156.
Interest in Town Planning—Growth off. 185.
Interrelationship of Highway, Railway and Waterway Transport; Prof. Henry E. Riggs. 441.
Investigation—St. Lawrence Navigation and Power. 488.
Iron and Steel—Uncertain Outlook in; J. Frater Taylor. 130.
Irrigation Project—Grand Forks. 336.
Irwin, A. C.; Concrete in Water Works Construction*. 142.
Irwin, A. C.; Failures in Concrete Construction**. 515.
Isle Perrott Bridges Committee. 336.

J

Jackson, Alan Mair; Mechanical Handling of Gravel or Broken Stone*. 273.
James, E. A.; New Toronto Incinerator*. 175.
James, E. A.; Proposed Design of Concrete Truss for Davies Bridge on Don Mills Road, Near Toronto*. 338.
James, E. A.; Street Paving in Towns and Villages*. 277.
James, E. W.; Modern Highway Problems. 193.
Jameson, Prof. Alex. H.; Flow in Uniform Channels When the Water-Surface is Not Parallel to the Invert. 191.
Johnson, George A.; Legitimate Uses of Water. 588.

Johnston, J. T.; Water Power Development in Canada. 388.
Joint Commission to Study St. Lawrence Schemes. 211.
Joint Committee Meeting on Labor Problems. 525.
Joint Committee of Technical Organizations—Future off. 252.
Joint Committee to Prepare Standard Concrete Specifications—New. 259.
Jones, T. Harry§. 430.

K

Kenogami—May Build Storage Dams at Outlets of Lakes St. John and. 261.
King Edward Hotel, Toronto—New*; Victor J. Blackwell. 259.
Kingston Water Works—Electrical Pumping for. 489.
Kyle, Capt. David§. 218.

L

Labor and Materials—Application of Engineering Principles to Water Works Operations to Offset Increased Cost of. 416.
Labor Committee—Association of Canadian Building and Construction Industries. 488.
Labor on Construction of Intercepting Sewer for Essex Border Utilities Commission—Unit Cost of*; Charles W. Tarr. 156.
Labor Problems—Joint Committee Meeting on. 525.
Labor Troubles at Queenston†. 492.
Labor Union—Toronto Draughtsmen Form. 336.
Laboratory—Advocates Provincial Research. 340.
Lafreniere, T. J.; Water Supply Statistics for Quebec. 589.
Lake Reclamation Project—Sumas*. 460.
Lakes St. John and Kenogami—May Build Storage Dams at Outlets of. 261.
Land Surveyors' Association—Alberta. 184.
Land Surveyors—Saskatchewan. 330.
Lane, F. Van Z.; The Value of Highway Transport Surveys. 426.
Lawton, J. T.; Variation in Construction Costs of Buildings*. 598.
Leakage in Relation to Gravity Water Supplies—Watershed*; Robert E. Horton. 195.
Ledoux, A.; Sand and Gravel*. 532.
Legislation for Province of Ontario—Advisory Conference Committee on Engineering. 365.
Legislation in Ontario—Review of Road; K. W. McKay. 364.
Legislation Making Progress—Engineering. 354.
Legislation Passes in Alberta and New Brunswick Engineering. 420.
Legitimate Uses of Water; George A. Johnson. 588.
Le May, Cesaie§. 350.
Lesage, T. W.; The Municipal Water Supply of Montreal*. 584.
Letters—An Engineer's; P. B. McDonald. 435.
Level Bridge at Tansley, Ont.—Construction of High*; A. W. Conner. 115.
Lignite Briquettes Said to be Cheapest Fuel. 566.
Linton, Major A. P.; Three Bridges in Palestine Built by Canadians*. 235.
Location—Road; R. T. Brown. 463.
London, Ont.—Hyman Tannery Building*; R. E. W. Hagarty. 495.
London Water Works Extensions Held Up. 587.
Lynch, J. W.§. 473.
Lyons, M. A.; Highway Bridges and Culverts. 578.

M

MacDonald, Angus J.§. 412.
MacDonald, F. S.§. 332.
MacFarlane, Robert§. 516.
Machinery—Road; Arthur H. Blanchard. 521.
Machinery—To Manufacture English. 158.
Mackenzie, C. J.; Concrete Mixtures in Alkali Soils. 344.
Magann, George P.§. 271.
Magrath As Possible Ambassador—Mr.†. 454.
Maintenance of Roads in Ontario; W. A. McLean. 293.
Management and Town Planning—Citizen Cooperation in Town; Horace L. Brittain. 129.
Manchester, Eng.—Development of Activated Sludge Process at. 245.
Manitoba Association of Professional Engineers—Act Incorporating the. 385.
Manitoba's Road and Bridge Program. 302.
Manson, A. B.; Bituminous Penetration Surfaces. 294.
Marpole, Richard§. 582.
Marston, G. R.; Drainage in Road Construction. 308.
Materials—Production of Structural. 387.
Mattimore, H. S.; Influence of Specifications and Competent Inspection on Bidding Prices. 309.
McCarthy, Daniel Bernard§. 332.
McDonald, K. D.; Highway Construction**. 338.
McDonald, P. B.; An Engineer's Letters. 435.
McGill University—Gen. Currie and†. 471.
McKay, K. W.; Review of Road Legislation in Ontario. 304.
McKay, K. W.; Time and Cost-Keeping on Copnty Roads. 307.
McLean, Douglas L.; Flood Prevention Projects to Protect Winnipeg*. 333.

McLean, W. A.; Maintenance of Roads in Ontario. 293.
McLean, W. A.; The Value and Application of a Traffic Census. 519.
McLure, L. C.; Operating Data on Large Shovels at Queenston Development*. 470.
McMillan, Malcolm§. 332.
Meadows, Jas. O.; Manufacture of Alum By the Montreal Water and Power Co. 597.
Measurement of Surface Area Bulking*; Roderick B. Young and William D. Walcott. 475.
Mechanical Engineers—Code of Ethics for the American Society of. 561.
Mechanical Engineers—Meeting of the Ontario Section of American Society of. 186.
Mechanical Handling of Gravel or Broken Stone*; Alan Mair Jackson. 273.
Mechanically Filtered Water—Alumina in†. 471.
Memorials for Battlefields—War. 226.
Memorials in France and Belgium for Fallen Canadian Soldiers—War†. 560.
Men in Government Employ—Technical†. 390.
Men Whom Engineers Honor—Two†. 581.
Mercier, Saul§. 298.
Merrill, O. C.; Compensation of Engineers. 421.
Metal Structures by Painting—Protection of; J. R. Shean. 180.
Metcalf, Leonard; War Burdens of Water Works Continue*. 591.
Metering Recommended—"Universal." 330.
Milk Rivers Case—St. Mary's and†. 454.
Mineral Aggregates for Bituminous Pavements; Wallace L. Caldwell. 111, 124.
Mingle, J. G.; Radial Brick Chimney 300 ft. High*. 122.
Missing—Gets Marked Cheques; Now. 330.
Mitchell, Brig.-General C. H.; Education of the Highway Engineer. 523.
Mitchell, C. H.; Big Demand for Engineers***. 471.
Mitchell, Noland D.; Insulation of Concrete Walls. 422.
Mitchell's Address to Teachers—Dean. 374.
Mixtures in Alkali Soils—Concrete. 344.
Mixtures?—Do Consistency and Richness Determine Strength of Concrete†. 515.
Money Spent on Harbors Since Confederation. 580.
Monolithic Concrete Houses. 451.
Montreal Aqueduct Board. 360.
Montreal Aqueduct—Report on. 251.
Montreal—The Municipal Water Supply of*; T. W. Lesage. 584.
Montreal to Spend \$4,500,000 on Water Works Improvements in. 302.
Montreal Water and Power Co.—Manufacture of Alum By; Jas. O. Meadows. 597.
Montreal Water Works Employees—Commission to Inquire Into Strike of. 198.
Monuments—Boundary; Dr. E. Deville. 266.
Moose Jaw Water Scheme—Saskatoon Looks Inquiringly Upon Regina and. 106.
Morrison, I. F.; Present Status of Reinforced Concrete Design**. 252.
Morrissette, Romeo; Is the Engineering Profession Retrograding?*. 357.
Mortars—Hydration and Shrinkage off. 390.
Motors on Construction Work—Gasoline; J. Napier. 497.
Movement—Value of the Local Association in a Nationwide Highways; Wm. Findlay. 525.
Mullen, Charles A.; A City's Paving Problems. 358.
Mullen, Charles A.; Trade Unionism and Engineers***. 119.
Municipal Supply—The Rural Water Supply An Integral Part of the; Dr. E. G. Birge. 489.
Municipalities Favor Hydro Radials—Ontario. 435.
Municipally Owned Asphalt Plants*; H. A. Brazier. 233.
Municipally Owned Asphalt Plants*; R. R. Barrett. 329.
Munro, G. Reid§. 271.
Mylrea, T. D.; Failures in Concrete Construction*. 417.

N

Name for Activated Sludge—Proposed New. 522.
National Association of Surveyors†. 269.
Napier, J.; Gasoline Motors on Construction Work. 497.
National Association—Surveyors May Form*. 226.
National Association—U.S. Engineers to Discuss Formation of Single. 491.
Navigation and Power Investigation—St. Lawrence. 488.
Near, W. P.; The Cement Concrete Road. 567.
New Brunswick—Engineering Legislation Passes in Alberta and. 420.
New Brunswick Power Co. 420.
New Brunswick Water Powers Commission. 365.
New Brunswick—Water Powers of. 366.
New Brunswick's "Engineering Profession Act." 465.
New Toronto Incinerator*; E. A. James. 175.
New York State Opposes St. Lawrence Deep Water Route. 603.
Niagara Metropolitan Area—Proposes \$6,500,000 Water Works Plant to Serve. 366.
Niagara Offensive Against Industry—The†. 602.
Nipigon River Power Development*. 502.
Northwest—Early Explorations and Surveys in the Canadian; Roger Fyfe Clarke. 327, 340.

*Illustrated. **Letter to the Editor. †Editorial. ‡Author of Book Review. §Obituary.