

\$9,000. Electric lighting fixtures, heating and ventilation, \$4,400. Normal and Model Schools, Toronto—Vault for archives and records, (revote) \$800. Normal and Model Schools, Ottawa—Improvement in heating system, \$1,500. Building chimney to boiler house, \$500. Alterations for Domestic Science room, (revote) Normal Sch. vol. London—To complete attics and rooms for Domestic Science, \$1,800. Cementing floors, (re-vote) \$750. School of Practical Science, Toronto—Seats for chemical lecture room, \$600. Draughting tables, \$250. Re-flooring museum, \$200. Fitting up photometer room, \$250. Metal ceilings in old building, \$250. Electric laboratory \$1000. Miscellaneous appliances, \$3,000. New building, (estimated cost \$200,000) \$100,000. Osgoode Hall, Toronto—Fittings for vaults and furnishing, \$500; painting walls, \$300. New Parliament Buildings—Painting walls, \$500; shelving and book-cases for library, \$400. Algoma District—Building lock-up at Michipicoten (re-vote), \$1,000; building lock-up at Wawa (part re-vote), \$800; to complete addition to Court House, Gore Bay (part re-vote), \$1,000. T under Bay District—Vault, registry office (part vote), \$800; repairs, furniture and improvements, \$500. Muskoka District—Fittings in registry office, \$1,500. Parry Sound District—Plumbing, court house and jail, Parry Sound, \$250; lock-up, Byng Inlet, \$800. Nipissing District—Repairs, furniture and improvements, \$500; lock-up at Warren, \$600. Rainy River District—Registry office, \$1,000; lock-up, Beaver Mills, \$800; lock-up, Atikokan, \$800. Reformatory for Boys, Oxford—Site for reformatory, county of Oxford (re-vote), \$10,000; initial vote for buildings (re-vote), \$20,000.

DR. MARTIN MURPHY, C. E.

Dr. Martin Murphy, C. E., Provincial Engineer of Nova Scotia and President-elect of the Canadian Society of Civil Engineers, is the second son of Thomas Murphy, contractor, and was born at Coolcarney, near Enniscorthy, Wexford, Ireland, November 17th, 1832. He joined the engineering staff of the late William Dargan at the age of 20, and has since been engaged without intermission as an engineer and contractor. He worked at his profession under Thomas Plunket, W. R. Lefanu, and Cotton & Fleming, all of St. John McNeil's School of Civil Engineering. During the fifties and early in the sixties, he worked on the branches of the Midland Great Western Railway, between Mullinger and Longford, and from Athenry to Tuam; on the Great Southern and Western Railway branches, between Athlone and Tullamore, and from Mallow to Fermoy, and on the Banbridge & Scarva Railway in the North of Ireland; also on the city of Dublin sewerage works, and on the construction of Moy Bridge between Charlemont and Moy, County Tyrone. On the retirement of Mr. Dargan from railway construction, he continued with his successor, Thomas Edwards, and was employed as contractor's engineer on the extension of the Dublin, Wicklow & Wexford Railway from Wicklow to Enniscorthy, and on the Shillelagh Branch. In 1862 he was appointed resident engineer of the Dublin, Wicklow & Wexford Railway and its branches, and continued in that position until he came to Canada in 1868.

Here Dr. Murphy was engineer for the city of Halifax, N. S., 1868-69, and in 1870-71 was engaged as chief engineer for the survey of projected lines of railway by the Provincial Government of Nova Scotia. In 1871 he was appointed Provincial Government Engineer for that Province, but resigned, as there was no fixed salary attached to the position at the time. From 1871 to 1874 he was contractor for the construction of bridges on the Intercolonial Railway of Canada, but returned to Nova Scotia in 1875, the local legislature

having then voted an annual salary and appointed him Provincial Engineer, a position which he still holds.

In Nova Scotia he has built iron and steel structures over every river in the province. His plans, specifications, and methods for erecting concrete substructures are gaining favor all over Canada. He has been consulted by the Newfoundland Government respecting railways; by the Government of New Brunswick on bridge construction; and by the Colonial



DR. MARTIN MURPHY, C. E.
President Canadian Society Civil Engineers.
Government of Bermuda respecting harbors surveys and improvements.

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Dr. Murphy has held the presidency of the Nova Scotian Institute of Science, and contributed several important papers to its transactions. His paper, and illustrations of bridge work in Nova Scotia, before the Engineering Congress at the World's Fair, Columbian Exposition, Chicago, 1892-93, was awarded a medal and aluminum case, "for the best and most modern designs for bridge construction." He has contributed to many professional journals and periodicals. He received the degree of D. Sc. from Kings College, Windsor, Nova Scotia, 1886. He married in 1861 Maria Agnes, youngest daughter of Cornelius Buckley, of "Banteer," Mallow, Cork, Ireland.

BUSINESS NOTES.

The village council of Granby, Que., has passed a by-law authorizing a loan of \$15,000 to the Granby Plumbers Supply Co., of which Edward Bradford is the promoter.

The death occurred in Montreal last week of Mr. Robert Forsyth, who came to Canada from Scotland in 1853 as a civil engineer. For some time he was connected with the Montreal waterworks, afterwards becoming chief engineer for the Montreal Harbor Board. In the year 1865 he became interested in the marble and granite business, and later executed large contracts for marble, notably those of the New York Life Bldg., the Bell Telephone building, London and Lancashire building, and the new Grand Trunk Railway offices.

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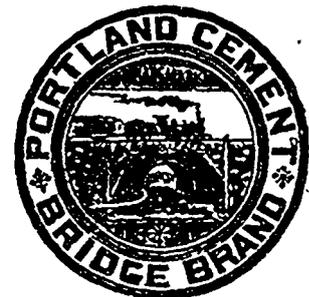
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