

The Great Northern Oil & Gas Company has struck what is regarded as being the best well yet drilled at Manitowaning. When the drill had reached a depth of 450 feet the oil filled the hole and gushed fully fifteen feet in the air. It was entirely free from water. When the pump was placed and started it pumped fourteen barrels of pure oil in twenty minutes. The well has not yet been shot. This will remove every vestige of doubt that Manitoulin Island is destined to be in the near future a great oil-producing field. The oil is found in the Trenton limestone, and is of very superior quality, being equal to the best grade of Ohio oil.



LIGHT, HEAT, POWER, ETC.

Fenelon Falls is to have a new arc lighting system.

The capacity of the Minnesota Electric Light plant has been doubled.

A public steam heating plant is being installed at Chatham, Ont.

A company has been formed at London, Ont., to develop electric power from the Thames.

W. M. Doull and Elwood Hosmer were recently at Rossland, B.C., attending the annual meeting of the West Kootenay Light & Power Company.

A plan is on foot, it is said, to generate power for London by harnessing the Thames between Springbank and Kilworth, and the erection of a large power house. A company is now said to be in the course of organization.

The new electric power house at Indian Head, Sask., is being rushed up and workmen are engaged in putting up the poles. It is expected that the town will be equipped with a complete electric light system by Christmas.

The city council of Montreal have decided to engage Professor Edward W. Bemis, of Vanderbilt University, Cleveland, Ohio, to report to it on the cost of providing a municipal gas plant for the city, and also on the price at which such a plant would be able to supply gas to the citizens.

Rumor is current in London, Ont., that the London Street Railway will pass into the hands of local men. Vice-President Smallman of the city, and several other Londoners are said to have an option on the line. H. A. Everett, of Cleveland, is the chief owner.

The Calgary lighting plant, erected at a cost of \$60,000, after an exciting election where only thirty votes out of six hundred were cast against it as a protest against a private corporation which had enjoyed a monopoly for many years, is now ready for operation. The plant can supply, in addition to the street arc lights, six thousand domestic lamps.

Mr. Holt, President of the Light, Heat & Power Company, Montreal, states that if the by-law providing for the placing of electric wires underground is enforced it will cost the city over a million dollars to instal a conduit system for the fire alarm department wires, and will result in an increase of over 100 per cent. in the price of light, heat and power.

W. M. Douall, President of the West Kootenay Power & Light Co., Limited, stated that the cost of the installation of the new machinery at Bonnington, on Kootenay River, together with the poles, will be about \$1,000,000. The company will have 28,000 horse power for industrial purposes and expects the lines into the boundary will be ready for transmission purposes in March or April.



PERSONAL.

A. C. Dennis has been appointed Division Engineer, Prairie East Division, with headquarters at Winnipeg.

A. W. McKinley has been appointed manager of the Electrical Construction Co., at Brantford, Ont. He commenced his duties October 28th.

Willis Chipman, Civil Engineer, Toronto, recently made a visit to the Western Provinces.

J. S. Covert, civil engineer of the I.C.R. engineering department at Moncton, is critically ill at Campbellton, and all hopes for his recovery have been given up.

Angus A. Ferguson, for the past nine months underground manager of Phalen seam, Dominion No. 2, has entered upon his duties as manager of the C. B. Coal, Iron and Railway Co.'s mine at Broughton.

Beauchamp H. Smith, second vice-president of the S. Morgan Smith Co., of York, Penn., died at his home in Los Angeles on November 1st at the age of thirty-six years. Mr. Smith went to Los Angeles about five years ago for the benefit of his health, since which time he has resided there, and hopes of a complete recovery were entertained.

Dr. J. B. Porter, Professor of Mining Engineering at McGill University, has returned to the city after an absence of more than four months. Leaving Canada early in June, Professor and Mrs. Porter spent about six weeks in England, and then went on to South Africa, where the professor was one of the guests of the British Association for the Advancement of Science, which met for the first time in that quarter of the world. There were about three hundred persons in the party, including about twenty who were invited from other than British countries. Two other Canadians, Prof. Coleman and Dr. McCallum, both of Toronto, were of the party.

The tenth commemoration of Founder's Day of the Thomas S. Clarkson Memorial School of Technology will be observed with appropriate exercises in the assembly hall of the school, November 30, 1905. The address will be delivered by John Cassan Wait, Member American Society of Civil Engineers, an attorney and counsellor at law of the city of New York. Mr. Wait is the pioneer in a specialty in the practice of law, that of Engineering and Architectural Jurisprudence. In this branch he has now established a successful practice, and is an acknowledged authority. He is the author of several books on the subject, such as "Law of Operations Preliminary to Construction in Engineering and Architecture," "Engineering and Architectural Jurisprudence," "Laws of Contracts."



MUNICIPAL WORKS, ETC.

It has been decided to install a steam plant for the waterworks at Levis, Que.

A system of sewerage will be installed at Fort Frances, Ont., as early as possible, under the direction of Mr. John Galt, C.E., Toronto.

The Winnipeg City Solicitor has been instructed to prepare a by-law authorizing an expenditure of \$600,000 for a municipal gas plant.

The new 5,000,000 gallon pump for the St. Thomas waterworks has arrived and will be put in position at once. The three new filters are now at the works and are being installed.

It is learned that to give Brantford the needed surface drainage system will require an expenditure of \$200,000. Of this \$91,000 will be needed in the central portion of the city. Experts claim that surface drainage must be secured before pavements can be put down.

The waterworks at Hantsport are about completed, and have been handed over to the town by Contractor W. J. Mulhall. The system cost \$40,000. The water, which was brought from a lake on the North Mountain, is excellent and the town will be greatly benefited.

The plans for the new building to accommodate the new 12,000,000 gallon Worthington pump to be installed at the Montreal low level pumping station are now ready, and available for inspection. The tenders for the erection of the building will be opened and considered at the next meeting of the Water Committee.