

An electric lighting plant is to be installed at Moosomin, N.W.T.

Granby is contemplating the purchase of a steam fire engine.

The gas mains are to be considerably extended at Niagara Falls, Ont.

Good water has been obtained at Arcola, Man., by means of artesian wells.

Plans for waterworks and electric light systems have been prepared for the town of Whitby.

Iroquois, Ont., has voted \$19,000 for the completion of the water works and electrical light systems.

A considerable sum is to be spent in putting the road to Cordova mine, near Marmora, in good order.

A number of Winnipeg contractors have made an agreement to pool their interests in purchasing material.

George Y. Malcolm, in April, wheeled from White Horse to Dawson, 337 miles, in 8 days. He found good roads most of the way.

A new reservoir for the Hamilton Water Works is to be built. A site has been procured at the head of James street, at a cost of \$3,500.

The Public Works Department will rebuild the bridge between Bryson and Calumet Island, on the Ottawa, and place it on concrete piers.

The C.P.R. irrigation department will put several engineering parties in the field at once, to complete the surveys for the proposed Bow river irrigation canal.

The city of Winnipeg has received a shipment of 546 barrels of liquid asphalt for its streets, from the Acme Works, San Pedro, Southern California. It came by way of Vancouver and the C.P.R.

Street Commissioner Jones, of Toronto, has a plan for keeping down the dust on asphalted streets by flushing, which would be done at night. He estimates that this can be done for \$10,000 a year.

A meeting of representatives from the several local municipalities in the County of Essex was recently held, to consider the question of road improvement, but no plan of action could be agreed on.

The recent drought had the effect of increasing the consumption of water in Montreal from about 21,000,000 gallons a day, at the same date last year, to over 25,000,000 gallons a day. Numbers of people have been found using water without permission.

The 80,000 shrubs from France, planted on Sable Island, with the hope that their growth would prevent the sand from shifting, have not flourished. They are fast dying out for lack of nourishment, and the fierce gales tear them up from their feeble roots.

Port Arthur ratepayers have voted in favor of the proposed system of waterworks. The water will be taken from Thunder Bay, through a sand filter, and pumped to a sand-pipe and reservoir on the hill, about 200 feet above the lake level. Willis Chipman is engineer.

Assistant Provincial Engineer McColl, of Nova Scotia, has been in the United States studying road-making systems and the best machinery to use. It is expected a competent official will be employed to give instruction in road-making throughout the Province.

The Dalhousie township council has awarded the contract for the iron bridge over the Mississippi, at the upper end of Dalhousie Lake, at a cost of about \$1,850. Mr. Bradford, of Almonte, has the concrete and stone work at \$936, and the Hamilton Bridge Co., the superstructure, at \$795. The council will do the filling in and the covering by day work. E. T. Wilkie is the engineer in charge.

Owing to labor strikes Warren Brothers' Paving Company have been unable to deliver to the city of Montreal the civic asphalt plant contracted for, and repairs are to be done by contract. Two tenders were received, one from the Barber Paving Co., of the United States, and one from D. Drysdale & Co., of Montreal, both for the same price, \$1.31 a yard. It was stated to the council, some of whom feared a combine, that the similarity in price was a mere coincidence. It was recommended that the offer of the United States company should be accepted.

Gananoque has determined to proceed with water-works, under the supervision of Willis Chipman, C.E.

It is estimated that a bridge across St. John harbor to connect the city with Carleton would cost at least a million dollars. It is being discussed by the city council.

The town of Glace Bay has awarded to Warren Bros. & Co., of New York and Boston, the contract for paving three of its streets. The material to be used is known as vitulithic, a mixture of bitumen and very fine stone.

The County Council of Wentworth has decided on having a system of good roads 170 miles in extent. They will get \$33,000 from the Ontario good roads fund, and raise \$66,000 themselves.

The Toronto City Engineer has recommended that the contract for a new engine for the main waterworks station be given to the John Inglis Co. for an Allis engine, at a cost of \$155,000, with an allowance of \$5,000 for the old engine. The Allis-Chalmers Co., of Milwaukee, is to be made a party to the contract.

A splendid flow of water has been struck in the artesian well sunk at Listowel, by the corporation, at a depth of 180 feet. The water in the eight-inch hole rose to within 17 feet of the top, and in a test with the fire engine at its full capacity was not perceptibly lowered. From this test it is estimated that the flow will be equal to 250,000 gallons in 24 hours. The council has decided to sink a second well.

Galt is considering a new bridge over the Grand River on Main street. An iron or concrete arch bridge would be preferred, but Mr. McIlroy, C.E., of Hamilton, who has examined the site, says such a structure would be too high in the centre or too low at the ends, and recommends a single span bridge, which would, of course, necessitate having the iron work overhead.

A great deal of damage has been done to bridges, railway tracks and in other ways in British Columbia by floods, caused by the rapid melting of the snow in the mountains. In some places bridges have been blown up by dynamite lest, acting as dams, they might cause reservoirs to form, which breaking away would cause still greater damage. At North Bend a reservoir, which supplies the little town with water, did burst and washed away the C.P.R. track soon after an express train had passed.

Three engineers are to be appointed before July 15th, to adjust the difficulty between the Montreal Water & Power Co., and the Westmount town council, over the water supply. Each body will choose one, and they will select a third, and these will investigate the conditions which prevail at the intake, study the currents and decide what should be done to put beyond question the freedom of the water supply at the present intake from contamination from Verdun and the River St. Pierre; and also ascertain whether the present pipe is free from leaks.

Winnipeg is outgrowing the capacity of its water-works, and the city engineer has recommended the installation of two additional filters, at a cost of \$2,000. About 2,000,000 gallons a day are being pumped, and 1,800,000 gallons put through the softening process. It is estimated that 4,000,000 gallons a day will be consumed during the summer months. Fifty more hydrants are being put in for fire protection. To accommodate the houses so constructed that the service would be in danger of freezing, samples of small hydrants that cannot freeze are being obtained. They are practically large taps which are connected direct with the mains.

At an investigation at Ottawa into the cause of the break at the waterworks pumping station on the occasion of the fire on the 10th of May, City Engineer Ker made some astonishing statements. It was found that there had been a bad leak for fourteen years. It was not of imminent danger to the main that blew out, but was serious, as it was causing a waste of water. Before he could shut down the pump, which had to be done to repair this leak, it was necessary to repair the other pumps in order to keep up the pressure. This had been begun in December last, but had to be discontinued, as the appropriation had given out. The work was resumed in February. A leak for fourteen years looks bad, though not so wasteful as if the pumping had been done other than by water-power.