

SOME lumbermen are figuring on building a canal from Buffalo Bay, on the Lake of the Woods, to Seine River. There is a fall of three hundred feet and over between these points, and the scheme embraces the floating of logs to Winnipeg to be sawn into lumber from the Lake of the Woods timber limits, the supplying of water from the lower end of the lake to the city, and a water power system.

THE gas engine works of J. R. Baird, Woodstock, Ont., are now running overtime. One of Mr. Baird's gasoline engines has been purchased for use at the Royal Military College, Kingston, and one has been bought by the proprietor of the *Mitchell Advocate* to run the presses of that paper. Another Baird engine has been shipped to a Toronto man to operate an isolated electric lighting plant.

GEORGE H. BERTRAM, president of the Bertram Engine works Company, Limited, Toronto, the great steamship and engine builders, and also of the hardware firm of Bertram & Co., has been compelled, owing to the increase of the shipbuilding company's business, to withdraw from the management of the hardware firm. His successor is his son, John H. Bertram, and the style of the firm becomes Bertram, Wilson & Co.

THE S. Morgan Smith Co., of York, Pa., has recently shipped to the Acadia Pulp Co., Milton, N.S., a pair of 36-inch McCormick turbines, mounted on horizontal shaft, which, when placed in position, will develop 1,500 h.p. The single 33-inch McCormick turbine, mounted on horizontal shaft, shipped a couple of weeks ago to this same company for the pulp mill in New Germany, is now in operation and has 300 h.p. capacity.

THE Tombyll Upholstering and Frame Manufacturing Company Limited, is asking for incorporation, the chief place of business is in the town of St. Henri, Que. The proposed amount of capital is \$75,000. The incorporators are Rasmus Nielson Tombyll, manufacturer, St. Henri, Wm. Henry Turner, Montreal, George H. Labbe, Montreal, manufacturer, Thos. Tombyll, St. Henri, upholsterer, Amedee Anacllet Bernard, of St. Henri, physician.

THE evidence in the Sherbrooke Water Works arbitration case has all been submitted, and the commissioners, Wm. Kennedy, C.E., Montreal; B. D. McConnell, Westmount, Que., and E. H. Keating, C.E., Toronto, have made their report. The witnesses on the side of the city were Willis Chipman, C.E., Toronto; Charles Baillairge, C.E., Quebec, and J. A. U. Beaudry, C.E., Montreal; and those for the company were A. Sangster, C.E., superintendent of the works; E. F. Waterhouse, sec.-treas.; S. W. Jenckes, of the Jenckes Machine Co.; R. N. Arkley, millwright, and others. The property included the water power and pumping station land, the reservoir lots, the plant and piping, and the unexpired portion of the contract. The award is for \$115,967, of which \$21,897.69 is the value of the unexpired contract. Cost of the arbitration, including witness fees, was \$2,000.

THE main power for the Perth, Ont., waterworks is to be brought from a dam four miles up the Tay. John McDougall, Montreal, has been engaged to build the dam and the flume, and to put in the water-wheel and build the power-house. The Royal Electric Company, of Montreal, will put in the electrical plant. From this plant the waterworks company will rent power in town where wanted. The company has arranged to use an island for the reservoir, etc. They will run an open drain from the upper end, 15 feet wide at the top, 10 at the bottom, with a depth of water of 4 feet. At the end there will be a filter-bed. The water thus purified will run into a collecting basin at the end of the filter and enter a fifteen-inch pipe, where it will find its way 1,200 feet under and beside the river channel till it reaches the suction well. The pumping-house, which will be built behind this, will be of brick on stone foundation, 30 x 30 feet. A fifteen-inch main will supply the water from this to the town.

THE Recorder of Montreal rendered judgment recently in the case of the City vs. Eusebe Paquette, contractor, for using hollow tile instead of ordinary bricks in the construction of the inner walls of a building. The action was dismissed with costs against the city, the court holding that in the case at issue the wall complained of had been shown to be perfectly safe for the weight it had to bear, while the evidence went to establish that, in case of fire, the tile walls were superior to others, on account of their ability to withstand more heat. The by-law under which the action was taken was one to prevent accidents through defective construction and through fire, the hollow tiles, which were invented only after the passing of this by-law, were proved to be of incombustible material, and to answer both purposes fully. As for the pressure that they could stand, the tests made at McGill College were conclusive, and the court had no hesitation in saying that in the present case, at least, the requirements of the law had been fully met.

A VERY large number of the employees of the Central Bridge and Engineering Co., Limited, waited upon W. H. Law, the late

managing director, at his residence, a short time ago, and presented him with the following address: "To Wm. H. Law, Esq., C.E.:—The employees of the Central Bridge and Engineering Company, Limited, upon the severance of your connection with the works desire to avail themselves of this opportunity of expressing to you their keen appreciation of the kindness received from you in the past. Those of us who have been connected with your works since their inception in the town of Peterboro', over fifteen years ago, fully realize the amount of ability and perseverance required to place these works in a position to successfully compete with the long established bridge firms of Canada, and in their own particular line to occupy a place second to none, as shown by the important works recently completed by the company. We join in wishing you and Mrs. Law all possible success and prosperity in the future, and beg that you will accept these slight memorials of our esteem and regard. Signed on behalf of the employees, Geo. Baker, J. Daynard, John Glenn, R. Robson, C. Dawson, A. Craig, Wm. Foster, jr., F. Hamilton, C. Stevens, Thos. Jevons, W. J. Francis. Peterboro', Ont., Aug. 25th, 1897." The mementoes mentioned consisted of a gold watch chain and locket, with monogram, combining the letters, W. H. L., and on the obverse a suitable inscription. The gift to Mrs. Law is a gold ring set with a solitaire diamond. Mr. Law is at present engaged in connection with several patents he holds for England, Canada and the United States.

A CORRESPONDENT of an English industrial paper states the case of the employers as against the strikers in the present war in the engineering trade in Great Britain, thus: "The real issue in the present severe struggle in the engineering works of this country has been obscured by irrelevant matter. The cause of the struggle is that the trade unions have interfered in the management of the works by their owners, and have ordered the owners to make serious changes in their management under threat of compelling the workmen to strike. The trade unions have ordered the owners to employ full-priced mechanics to work certain machine-tools that can be worked by junior hands or laborers, and are so worked in other countries. The trade unions have ordered the owners to work each machine-tool by a separate man, instead of one man working two or three machine-tools simultaneously, as is done in other countries. They have ordered that a uniform rate of wages be paid in each trade, for good, bad, or indifferent hands. They have ordered certain men to be discharged from the works because not members of the trade union. They have ordered certain foremen to be discharged, because not under the control of the trade union. They have ordered the speed of turning out work from certain machines to be limited below their full capacity, for the purpose of increasing the number of workmen necessary. They have ordered that one mechanic shall not do any work of another trade, although competent to do it and required to do so for the convenience and expedition of completing the special work in hand. And now the trade unions are wanting to order the owners to pay the workmen nine hours' wages for eight hours' work, and to let their machinery stand idle for the remaining hour of each day."

**KLONDIKE** A mechanical engineer of steady habits and general experience, going to the Klondike in the spring, to take up and work a claim, is desirous of meeting "a mate." References exchanged. Address "BOB," care of Canadian Engineer, Montreal.

**SITUATION WANTED**—Young man, practical machinist, at present engaged in the editing office of a mechanical newspaper in New York, desires similar position with Canadian publication devoted to the same interests. Stenographer (speed, 150 words per minute) and typewriter. Age 24 years. Address M. C., care Canadian Engineer.

## The Londonderry Iron Company, Limited

THE DIRECTORS of the above company having authorized us to negotiate for the disposal of its extensive properties and works at or near Londonderry, N.S., we are prepared to submit a schedule and to treat with reliable parties. The properties consist of about 30,000 acres of selected mineral lands held in fee simple, free of royalties, besides a further extent of mining rights, two blast furnaces completely equipped, two ore calcining kilns, sixty-seven coke ovens, a large rolling mill, a pipe foundry, a general foundry, a well equipped machine shop, about twelve miles of railway, with four locomotives, cars, etc., etc., numerous houses and all the plants incidental to the production of iron on a large scale.

MACDOUGALL BROS., Montreal