

The Trent Valley Peat Fuel Co. has its plant running on the Balsam Lake division of the Trent Canal. W. J. Sims is manager. In operation the plant is found to be even more economical than the promoters claimed.

The Pierre-Mahy Glass Works Co., Rahnsart, Belgium, will probably organize a branch to manufacture glass in Chatham, Ont. Local capital will be enlisted to the extent of about \$30,000, half the proposed capital.

The Georgian Bay Portland Cement Co., Ltd., Owen Sound, Ont., is installing a 300 h.p. Goldie & McCulloch engine, and a large amount of other machinery. M. Kennedy is president of this company, and James Maitland secretary.

C. F. Sise, R. Mackay, C. Cassils, R. Archer, H. Paton, L. B. McFarlane, C. P. Selater, Montreal, have been incorporated as the Wire and Cable Co., Ltd., to make brass, copper and other metal wires, cables, etc., and to make electrical supplies; chief place of business, Montreal; capital, \$100,000.

The Canadian Office and School Furniture Co., of Preston, has extended its factory and put in new machinery which will increase the capacity of the works by one-third. The company has orders for the seating and interior fittings of the new seminary chapel of Quebec, and for the new court house at St. Thomas, Ont.

Brown & Sharpe Mfg. Co. has issued an illustrated wall card, which should hang in every workshop aiming at turning out the best work. The card shows the leading lines of these famous tools, and carries also a pad of reference tables, which are of great value to mechanics. They include, decimal equivalents; inches, also millimeters; the sizing and cutting of gear wheels; circular and decimal pitches; tapers per foot and corresponding angles; drill list for machine screw tops; decimal equivalents of the numbers of twist drill and steel wire gauges.

Robert Bell, Jr., proprietor of the Hensall Engine and Machine Works, Hensall, Ont., has completed a large machine for making bricks composed of sand and cement. The manufacture of this particular style of machine is, Mr. Bell says, the filling of a long-felt want in localities where brick clay is not found; that bricks made of sand and cement are, in many respects, superior to those made of clay, possessing a handsomer appearance, and can be produced at about the same cost. The machine alluded to has been tested and proved satisfactory, and has been forwarded to destination at Vancouver, B.C.

The Buffalo and Fort Erie Bridge Co. is building the only foot and vehicle bridge above Niagara Falls. The bridge, or practically two bridges, is to cross the Niagara from a point between Buffalo and Tonawanda, to Grand Island across the island, and on to the Canadian shore. The eastern section was the one for which legislation was obtained from the American Government in October, 1898. The location of the bridge has been approved by the War Department of the United States; the contract has been let for \$1,485,400, and already several piers have been built. The Canadian section will cross from the opposite side of Grand Island, to a point in Welland County.

The increased trade of the Dominion Bridge Company has decided the management upon building an addition to their works at Lower Lachine, Que. Throughout the United States and Canada the iron and steel business has for some months been growing in tremendous proportions, and the Dominion Bridge Company now feels the necessity of enlargement in order to meet the increased demand. The new addition to the works, which will be completed in about two months, will give the company an increased capacity of from 7,000 to 8,000 tons per year, or about forty per cent. increase on their present output. When the new buildings are in operation, the company will employ from sixty to eighty additional men.

The old established business of Wm. Hunter, brass founder, Hamilton, has been taken over by J. N. Tallman & Sons, who intend to maintain the reputation of the founder while extending the scope of the business. Thus they are well qualified to do, as Messrs. Tallman & Sons are experienced brass and iron founders, and understand every department of

their trade, and are men on whom the fullest reliance can be placed. Since taking hold of the business they have put in a new electric motor, a water mill, a babbitt metal furnace and other plant, greatly improving their facilities for turning out work promptly. While maintaining the old firm's reputation for first-class babbitt metal, the new firm will pay particular attention to special brass castings.

The Northey Manufacturing Co., Toronto, has under consideration a change which, if made, will result in an addition of \$250,000 to the present capital of the company, and will involve the employment of at least 150 additional men, and possibly 500. The move which is contemplated is an amalgamation with a large Montreal firm which manufactures hydraulic and other machinery. A third company may also be induced to join forces with these two and to locate in Toronto. This would bring the total capital of the company up to \$150,000. The Northey Company has been steadily increasing its sales of late, and is now sending machinery in large quantities to the Maritime Provinces and British Columbia, in addition to having a very large trade in Ontario.

Owing to the rapid growth in their business, Darling Bros., "Reliance Works," Montreal, have erected an extensive addition to their machine shop. The new building is a substantial brick two-story structure fronting on Ottawa street, adjoining the original premises, and occupies what was formerly yard room. It affords some five to six thousand more square feet of floor space. The lower flat has a solid cemented flooring, with the latest slow-burning process of ceiling. The assembling will be done on this flat, where a driveway enters the western end, and where travelling cranes are used for taking up completed work from any part, and expeditiously loading it for delivery. The blacksmithing work will be done in this fire-proof department. The business offices are on the second story, entering by a broad stairway from Ottawa street, and are handsomely finished in oiled wood, and comprise a general office, private offices, draughting room, lavatories, etc., all well lighted. The equipment of the whole shop is of the most modern character.

As noticed recently in this Journal, the engine-building plant of A. J. Nie (previously the Osborne, Kieley Co.), Hamilton, has been purchased by the Smart-Eby Machine Co., composed of W. G. Smart and J. E. Eby, who have re-organized and extended the business and are now turning out large orders in the engine and machinery line. Mr. Smart was, until the present connection was formed, with the Jenckes Machine Co., of Sherbrooke, and Mr. Eby was for some years with the McGregor, Gourlay Co., and Cowan & Co., of Galt, having been manager of the latter firm. The new firm has set to work energetically and has made quite a success of one of its specialties—the Webster engine for gas or gasoline, of which it has the sole right of manufacture for the Dominion. The firm makes also electric light high-speed engines, pumping machinery and special machinery to order. Orders are now being filled for the Canadian Colored Cotton Mills, the dyehouses of which are now being enlarged. The firm will be pleased to send their catalogue to anyone interested in gas engines.

From April to the end of July the aggregate value of building permits issued to manufacturing establishments in Toronto was \$283,300, making a total of \$535,900 from June, 1898, to the end of the same month this year. Among the firms who have expended during the past year or are now expending large sums on factory additions or new factory buildings in Toronto are, the Massey-Harris Company, \$28,000, on new works; the Allen Manufacturing Company, \$30,000; and J. B. Kay, \$30,000; the Toronto Carpet Company, \$50,000; the T. Eaton Company, \$21,000; S. F. McKinnon, \$52,000, for buildings and warehouses; the Carling Brewing Co., \$12,000; Wilson, Lytle & Badgerow, \$16,000; the Gerrard Heintzman Co., \$14,000; Christie, Brown, & Co., \$25,000; Brown Bros. Co., \$40,000; the Toronto Type Foundry, \$20,000; the Henry Kent Estate, \$20,000; John Patterson, \$15,000; the Consumers' Gas Co., \$25,000; George Weston, \$15,000. Other manufacturers have expended all the way from \$1,000 to \$10,000, while the soap factory to be erected by Lever & Co., it is estimated, will cost over \$100,000.