

PARRSBORO', N.S., will spend \$4,000 on firehall equipment.

A PEQUEGNAT's bicycle factory, Berlin, Ont., is being equipped. JAS. CAMERON, Fallbrook, Ont., is starting a sawmill at Harper.

A NEW market building is proposed for Brantford, Ont., to cost \$4,000.

THE city of Ottawa purposes to spend \$70,000 on buildings in Lansdowne Park.

E. R. SIMPSON & Co., engineers and machinists have begun business in Berlin, Ont.

WINNIPEG will spend \$700,000 on a system of water works, to be supplied from artesian wells.

THE Welland Vale Bicycle Co., St. Catharines, Ont., is manufacturing a chainless bicycle for next season.

THE Rathbun Company, Deseronto, Ont., has been shipping carloads of doors, etc., to South Africa, recently.

W. P. NILES may build a roller flour mill at Wellington, Ont., the village having granted exemption from taxes.

A. E. CARPENTER has sold out his interests in the Hamilton and Toronto Sewer Pipe Company to Henry New.

E. L. PERKINS and W. H. Heine are interested in organizing a wood-working company, at Norton Station, N.B.

THE Canada Screw Co., Hamilton, Ont., is applying for an extension of the exemptions enjoyed for some years past.

H. & F. GIDDINGS & Co., Granby, Que., will build a new furniture factory, 50 by 100 feet, and five stories high, in the spring.

THE Exploits Lumber Co. is to be incorporated to do a large lumber business in Newfoundland. The capital is English.

It is said that a combine including every wire rod, nail, and other wire product in the United States will be in operation before Feb. 1st.

GEORGE McARTHUR, St. John, N.B., has been awarded the contract for building Doran's Hotel, Windsor. The contract price is over \$20,000.

THE work of enlarging and improving the Rathbun Company's cement works, at Napanee Mills, Ont., is being pushed by a large staff of men.

THE town of Wardner, B.C., which has grown up where the Crow's Nest Pass Railway is to cross the Kootenay River, is experiencing quite a boom.

THE Dominion Elevator Company is now erecting elevators at the following points: South Edmonton, 20,000 bushels; Ladue, Wetaskiwin, and Red Deer, 15,000 each.

THE town of Welland, Ont., is to be piped at once for a natural gas supply. The rates charged will be the same as in Dunnville, Ont., i.e., \$35 a year for furnace, \$24 for a cook stove, \$19.35 for a heater.

AN order has been received at the C.P.R. car shops, at Perth, Ont., to build 20 first-class passenger cars and 10 sleepers. Hitherto only freight and box cars have been manufactured at the Perth shops.

INCORPORATION has been granted to M. M. Boyd, W. T. C. Boyd, Bobcaygeon, Ont.; G. Boyd, J. Wickham, Toronto; J. D. Flavell, and J. G. Edwards, Lindsay, as the Cowichan Lumber Co., Limited. Capital, \$150,000.

THE case of Dale v. the Riordon Paper Mills, Limited, Merriton, Ont., has been settled for \$1,500 out of court. James Dale, who was severely scalded at the mill some months ago, brought an action for \$2,500 against the company.

J. T. CHILD, C.E., of Child & Wilson, Calgary, N.W.T., was at Lethbridge recently making an estimate of the probable cost of a system of waterworks for that town. Medicine Hat is also looking for a waterworks system, it is said.

C. GUIMOND, Beauharnois. C. F. Lalonde, Montreal; J. Leduc, J. B. Roy, Delia Rochette, Beauharnois, Que., are applying for a Dominion Charter as the Star Iron Company, Limited, to manufacture furnaces, etc. Chief place of business, Montreal; capital, \$60,000.

THOS. DOHERTY, Sarnia, Ont., the inventor of the famous iron casting process, is now engaged upon the invention of a further improvement in this process of iron production, of which great things are predicted by those who have been given an inkling of the new idea.

THE creditors of Robert Saxby, engineers' supplies, Toronto, met recently, when a statement was presented showing liabilities of \$3,200, with assets of about \$4,000. The chief claims are: John Herrington estate \$1,700, secured by a \$1,000 mortgage and \$300 note, endorsed, E. E. Cooch \$550, Bank of Commerce \$100, Royal Oil Company \$125, and Robert Saxbury, jr., \$300. The assets consist of land \$3,500 and the remainder stock and book debts.

THE company which is working the peat beds near Welland, Ont., is going into the manufacture of artificial marble from gypsum.

THE city engineer, Montreal, has asked an appropriation of over \$1,000,000, chiefly to be spent on new sewers and enlarging old ones.

THE town of Magog, Que., has recently installed a municipal electric lighting plant, and now proposes to add a system of water supply, the same power plant being used as for the lighting system, and the pumping being all done during the day when there is no demand for electricity.

J. M. LAVOIE, E. Lavoie, O. Matton, Ottawa; A. Lavoie, Donald, B.C.; J. M. McDougall, Hull, Que., have been incorporated under the Dominion statute as the Lake Deschenes Milling Company, Limited, with a total capital stock of \$40,000, to build flour and other mills, and do a general milling business.

THE average nightly attendance at the Toronto Technical School was 230 during October and November. The building is to be enlarged for the use of the school by the University of Toronto, which owns it, at an expense of \$26,000. The Technical School will pay a rental of \$2,000 per year for 21 years.

PLANS have been brought forward for extending the Bonsecours market, Montreal. The plan would extend the market to Jacques Cartier square, and then take in property and land on St. Paul, Bonsecours and Leroy streets, extending the latter street through to Bonsecours street; a large square would thus be added to the market.

THE Ontario Sewer Pipe Company, Mimico, Ont., has completed what is said to be the largest sewer pipe kiln in the world. It measures 36 feet 7 inches in diameter, seven inches larger than the one built by the Great Western Sewer Pipe Company, Ohio, and about 19 inches larger than those of the Black Horse Sewer Pipe Company, Virginia.

THE Acton Tanning Co. and Beardmore & Co., Acton, Ont., are putting up new buildings. The carpenters are busy on two new hair houses, one for each establishment, 32 x 50. J. A. Speight & Co. are finishing two large cedar water tanks for the Acton Tanning Co., fifty-seven feet in circumference and twelve feet deep.—*Acton Free Press*, Nov. 25.

A NEW company has been formed to operate the Coldbrook Rolling Mills, near St. John, N.B. The new company, which is styled the Coldbrook Steel and Iron Company, has appointed W. H. Thorne & Co., wholesale hardware merchants of St. John, as their selling agents. The company will manufacture bar iron, railway spikes, and wrought spikes.

A PRACTICAL demonstration of a new process of jointing pipes took place recently at the Caledonia Iron Works, Montreal, in the presence of some influential pipe-makers, contractors and others. The process of making and fixing the ring joint is an entirely new departure from the customary methods employed in jointing pipes, and overcomes the difficulties incidental to pouring and caulking lead into pipe joints in wet trenches. A full description of this process appears in THE CANADIAN ENGINEER. The inventor is D. J. Russell Duncan, C.E., 28 Victoria street, London, S.W. The ring joint is made with cold sheet lead, which is circumferentially contracted and indented by the pressure of a contractible tapering wedge and an external compression ring.

IN connection with the mention made in past issues of THE CANADIAN ENGINEER of the different appearances of strange aerial bodies, by many believed to be air-ships, the following press despatch, dated from Pittsburg, Pa., may be of interest: "It has at last been discovered who the incorporators of the Atlantic and Pacific Aerial Navigation Company are. The company, which is officered by C. A. Smith, president, and M. A. Terry, secretary, both of San Francisco, was organized to manufacture the air-ship of Hiram S. Maxim, inventor of the Maxim gun. It is said by persons connected with the company that last summer a trip was made in a Maxim air-ship from San Francisco to Cleveland and back in three days. Mr. Maxim furnishes the following description of his vessel: It occupies 106,000 cubic feet of space. The propelling power is a 105 horse-power naphtha engine. The cylinder engine and all other parts of the machine, so far as practicable, are made of aluminum, which was purchased of the Reduction Company here. The ship now weighs about 5,000 pounds, and will, its friends claim, carry more than a ton-weight of provisions and passengers. The naphtha for the engine will be stored in cases, which are supposed to hold enough to drive the ship around the earth without replenishing the tanks. The tail that projects upwards from the stern of the ship is intended to direct it up or down as a bird directs its movements with its tail. The rudder is to change the course from right to left. Motive power is secured by the big aeroplane at the stern, which is driven by the naphtha engine. It is stated that a speed of one hundred miles an hour has been attained without straining the machinery."