

The enlargement of the Kiel Canal, which is necessitated by the increasing size of warships, is to be carried out at a cost of \$50,000,000. The bed will be widened from 60 to 130 feet, and the width at the surface will be increased from 150 to 350 feet.

The steamer "Erin," whose green-painted hull has been familiar to mariners for many years on the great lakes, was ploughed down by the big Steel Trust carrier "Cowle" near Courtright, several miles below Sarnia, in the St. Clair River, on May 31st, in a dense fog. The "Erin" is one of the old type of wooden carriers with a grain capacity of about 40,000 bushels, and was easily crushed by the ponderous modern vessel that struck her fair amidships.

The complete fog alarm station, with keeper's portable dwelling attached, which is to be erected at Cape Arguille, Newfoundland, for the safety of steamers using the Canadian route, is now in course of construction at the works of the Marine Department, King's Wharf, Quebec. New works recently completed by contractors of the department and just accepted by the Government's local hydraulic engineer, Mr. Parent, on his recent tour of inspection, are the fog alarm and new lighthouse station at Martin River, fog alarm plant at Fame Point, new light at Gascon's, Baie des Chaleurs, and new dwelling for lighthouse keeper and completion of fog alarm plant at Cape Ray.



RAILWAY NOTES.

The Kingston, Gananoque & Perth Electric Railway has applied to the Legislature for permission to build an extension of its line from Lanark to Arnprior.

The building of the T. and N. O. Railway has preserved the bulk of the trade of this great northern district for Toronto, which otherwise would have been diverted to Ottawa and Montreal.

The Grand Trunk Railway Co. will erect a ten-story building on McGill Street, Montreal, opposite their present offices, at a cost of some \$250,000, provided arrangements re taxes are satisfactory.

The Edmonton, Alta., City Engineer has prepared plans by order of the City Council for the building of an electric street railway to run from Kinestino to Twenty-first Street, on Jasper Avenue, and from Jasper to the Canadian Northern depot, on First Street. The estimated cost of the railway is \$66,000.

Besides the contract awarded the Dominion Steel Company by the Trans-continental Commissioners, the Grand Trunk Pacific has given the same company an order for 150,000 tons of steel rails at \$33 per ton. The company has also received an order for 20,000 tons for the Montreal Street Railway.

Four new engines are to be added to the rolling stock of the Temiskaming Railway. Mr. Cecil B. Smith, of the Commission has also called for tenders for two switching engines, one to be at North Bay and the other at Englehart, the divisional point. Eight new passenger coaches are also to be added.

It is rumoured that the C. P. R. is preparing to build another line through the Rocky Mountains at a point north of the present route, through Kicking Horse Pass, and that work will commence without delay. The story is that the new route will be about 300 miles north of Kicking Horse Pass, and that it is the best railway route through the Mountains.

Enormous quantities of rails, ties, and other railway supplies are being required for the Winnipeg-Quebec section of the National Trans-continental Railway. Tenders are now being asked for 65,000 gross tons of 80-pound steel rails (open hearth or Bessemer, at the option of the Commissioners) and the necessary fastenings; and for 1,545,000 railway ties; in strict accordance with the specifications of the Commissioners.

Manager Kilgour, of the Huron and Ontario Electric Railway, which proposes to build an electric line from a point on Lake Ontario via Beeton, Newmarket, Flesherton, Meaford, Owen Sound, Southampton and Goderich to Sarnia, stated that the line would be pushed forward rapidly.

Canadian Pacific Railway officials have closed an agreement with the Town Council of Strathcona, by which the town is to have terminal facilities for the company's lines in Northern Alberta. The town gives them land for the purpose to the extent of seventy acres.

Fourteen thousand tons of steel rails for the Midway & Vernon Railway have been ordered, and the continuation of construction of this railway is to be started within a very short time, according to information secured in Montreal and New York, where the capital behind the road comes from. The rails have been ordered from the Dominion Iron & Steel Company, of Sydney, Cape Breton, and the order will be rushed out as soon as the works can commence on it.



MINING MATTERS.

A valuable find of bog iron ore is reported from the Township of Oakley, Muskoka. The ore is said to be almost entirely free from sulphur. It has been tested at a Bracebridge foundry and gives every satisfaction.

The Consolidated Mining & Smelting Co., of Canada, have ordered from The Jenckes Machine Co., Limited, Sherbrooke, for use at the Centre Star Mine, Rossland, a 36" x 24" Farrel-Bacon Ore Crusher, of which the capacity is 1,000 ton to 6-inch cube every ten hours. The shipping weight is 60,000 pounds.

It is announced with authority that the re-organization of the Port Hood Coal Company has been completed, and only awaits confirmation of the courts. It is said that suitable transportation will be sought to fill the orders for coal now on hand. The new company expects to rush things and attain in a short time an output of over 200,000 tons a year.

A report has been received by T. Gibson, Minister of Mines, of the discovery of a rich Cobalt silver vein on Concession 3, Township of Bucke. The party who discovered it was a novice and not an expert miner or prospector. This find is about a mile from the present active mining operations, and seemingly confirms the belief that the extent of the Cobalt mining field is much greater than was at first supposed.

Muskoka has developed an iron mine, which gives every indication of developing considerable industry in the district. The ore is easily obtainable, but at present transportation would be difficult. This obstacle will be overcome by the building of the Bracebridge & Trading Lake Railway, for the construction of which the lapsed bonuses have been re-voted by both the Dominion Parliament and the Ontario Legislature.

The Minister of the Interior has authorized Dr. Haanel, Superintendent of Mines, to make arrangements for an investigation into the precise location and extent of iron deposits of Canada. In the course of this investigation the approximate horse-power available will be ascertained. One of the parties will go to the Maritime Provinces, another will operate in Quebec and Eastern Ontario and the third in Western Ontario.

The Temiskaming and Northern Ontario Railway Commissioners have accepted the tender of the Town Site Mining Company for the mining of 37 acres of mineralized land south-west of the town of Cobalt, and have granted the company a lease for 999 years. In return the company pays a bonus of \$40,000 and a percentage on all ore mined. On all ore valued at \$1,000 per ton the company pays 25 per cent. and 50 per cent. on all ore valued at more than \$1,000 a ton, no matter how rich the ore may be.

The mineral wealth of the Lake St. John region north of Roberval is at present attracting the attention of mining engineers and expert prospectors in all parts of the world,