

The route map of the Grand Trunk Pacific between Winnipeg and Portage la Prairie shows that the line will run through the parish of St. Boniface, St. Charles, Headingly, and straight on to Portage la Prairie. It runs south of the Assiniboine until it reaches High Bluff, within a few miles of Portage, and then it runs north of the river into the town.

It is reported that the Canadian Pacific Railway will have a line into Cobalt within a comparatively short time. The Mattawa branch of the railway is to be extended as rapidly as possible from Temiskaming on the Quebec side of the boundary, 48 or 50 miles north-west to Fort Temiskaming, where a crossing will be made and the line run almost due west to Cobalt.

The railroads of Canada contracted for new equipment last year to the extent of \$62,200,000. The new lines under construction total 3,314 miles. The following expenditures are given: Canadian Pacific, \$23,000,000; Canadian Northern, \$15,000,000; Grand Trunk, \$5,000,000; Grand Trunk Pacific, \$7,000,000; Great Northern, \$10,000,000; Temiskaming and Northern Ontario, \$2,000,000.

The Intercolonial Railway will build in its Moncton shops three motor rail cars, for use in the proposed motor service on the Intercolonial next summer. The cars will be modelled after those used on the Great Western Railway of England. They will be sixty-five feet long, divided into three sections, the first section for the steam motor, the second for baggage, and the third for passengers. The motor will be about 200 horse power.

The board of railway commissioners has authorized the Vancouver, Westminster & Yukon Railway Company to cross the Canadian Pacific Railway Company's spur line to the Brunette mills at New Westminster, the applicant company to defray the cost of the construction of a diamond and installing a semaphore. The same company is also permitted to make a junction and cross the C. P. R. at the Fraser River mills at the cost of the applicant company.

MINING

The total output of the Nova Scotia coal mines this year has been 5,213,000 tons, an increase of 53,000 tons over last year.

A big deposit of high-grade iron ore has been discovered near Desbarats, a few miles below the Soo. It is said to be as good as any in the Lake Superior region.

The supply of coke is increasing at Trail, and another copper furnace has been blown in, making three in operation. It is anticipated that soon all of the five copper furnaces will be blown in and then the plant will be reducing 1,700 tons daily.

The Nova Scotia Steel and Coal Co. have a gang of men at work at George's River mining ore in the Ingraham Watson leases, on which they recently obtained an option, and already several shipments have been made to the company's works at Sydney Mines.

There is considerable excitement over the alleged discovery of a very rich vein of gold-bearing rock nine miles north of Madoc. The find was made by E. B. Davis, an old miner, who brought a sample into Belleville recently. It has been tested by experts, and is said to be very rich.

Coal mining operations on a large scale have been begun by the Diamond Vale Coal and Iron Mines, Limited, in Nicola Valley. An order has been received from a large Mexican mining company for shipments of coal and coke in shipload lots. If contracts are made, cargoes will be loaded at Vancouver.

Leases are being secured for a period of twenty years covering the bed of the Lewis River from White Horse to the foot of White Horse Rapids. A company with a capital of \$10,000,000 has been formed at St. Louis to dredge in the Klondike as well as the White Horse. The incorporators expect within three years to install three dredges in the Yukon.

This year's lead production in British Columbia amounted to 30,000 tons. The value according to New York prices, less 10 per cent., amounts to \$3,000,000. The total production of lead in this country up to the present reaches 226,000 tons, valued at \$18,000,000. The prospects for next season look very bright, as a very large increase in the ore tonnage is expected.

A strike of unusual character, but of great importance to the welfare of the district is reported from the vicinity of Chiliwack, B.C. This consists of the discovery of a large quarry of marble of excellent quality about eight miles from the town in the vicinity of Mount Cheam. Mr. Davidson, of Chiliwack, was the prospector who made the find, and the reports he brings as to the extent and quality of the deposits are such as to assure the prompt development of the quarry.

J. S. and W. S. Kuhn, Pittsburgh, are reported to have obtained options on 4,000 acres of copper deposits, including the Wilcox and McGowan mines at Parry Sound, for \$760,000. The Messrs. Kuhn are business partners of E. C. Converse. Thomas A. Wood, mining prospector, Parry Sound, has been obtaining leases on an immense area of copper claims for this syndicate. This has been passed on by several New York, Pittsburgh and Detroit mining engineers, and, after an exhaustive examination, the property is now being developed with the intention of making Parry Sound a big copper camp. At the outset \$5,000,000 will be expended in developing the property.

The estimated mineral production of British Columbia for 1906 as compared with 1905 is as follows:—

	1906.	1905.
Gold	\$ 6,070,000	\$ 5,902,402
Silver	2,200,000	1,971,818
Copper	8,690,000	5,876,222
Lead	2,690,000	2,399,022
Coal	4,590,000	4,152,936
Coke	1,050,000	1,358,925
Miscellaneous	1,100,000	800,000
Totals	\$26,390,000	\$22,461,325

PERSONAL

Mr. Ross McLennan has been appointed private secretary to Mr. F. H. McGuigan, fourth vice-president of the Grand Trunk Railway.

Mr. W. F. Fye left Montreal for Mexico recently, where he will take charge of the engineering work for the Canada Electric Syndicate, Limited.

Mr. William Brown, superintendent of the boiler shop of the Dominion Iron and Steel Company, is dead. Mr. Brown was with the company for four years.

Mr. Frederick Dane, of Toronto, has been appointed to the vacancy on the Temiskaming & Northern Ontario Railway Commission, succeeding Mr. C. B. Smith.

James J. Hill, president of the Great Northern Railroad, will retire from active service in July next. He will be succeeded by his son, Louis J. Hill, first vice-president of the Great Northern.

L. L. Munn, the designer of the Ontario Power Company's plant at Niagara Falls, has made application to use the water-power in the West Fort of Rock Creek in Wasata County, Utah, for the purpose of operating an electrical plant.

Cecil B. Smith, C.E., has been engaged by City Engineer Rust, of Toronto, in the interests of the city to try to find an alternative route for the railways entering the city from the east, with a view to keeping the lines away from the Kew Beach suburbs.

Mr. H. J. Lamborn has been appointed superintendent of power and plant in the works of the Yale & Towne Manufacturing Co., New York, N.Y. Mr. Lamborn was formerly mechanical and electrical engineer, and superintendent of the magnetic separating plants of Witherbee, Sherman & Co., at Mineville, N.Y.

C. E. Ussher, general passenger agent eastern lines, of the Canadian Pacific Railway Company, has been appointed to a new position—assistant general passenger traffic manager, with headquarters at Winnipeg. William Stitt, formerly agent of the Canadian Australian Steamship Company at Sydney, becomes general passenger agent, eastern lines, with headquarters in Montreal.

C. H. Mitchell, C.E., of Niagara Falls, recently examined and reported upon hydro-electric projects at Prince Albert and Edmonton. The propositions are on the Saskatchewan River, and are about 5,000-H.P. capacity. Mr. Mitchell has established his Toronto office in the Traders Bank Building, rooms 1,004-5. He was formerly engineer of the Ontario Power Company, Niagara Falls, Ont.

H. M. Lane, secretary of the Foundry Supply Association, has resigned the editorship of "The Foundry," published in Cleveland, Ohio, by the Penton Publishing Company. Mr. Lane is about to engage in the business of a foundry consulting engineer, with headquarters in Cleveland. A. O. Backert, formerly editor of "The Iron Trade Review" will succeed Mr. Lane as editor of "The Foundry."

MUNICIPAL WORKS

In order that the water supply of Montreal may be increased, a \$2,000,000 loan will be issued.

It is practically decided that Portage la Prairie will take over and own the electric plant and operate it.