

ANALYSIS OF KOOTENAY

Important Official at Ottawa Impressed with the Silver-Lead Hardship.

Observations on the Ore of the Principal Camps and Methods of Treatment.

From Our Own Correspondent.

Ottawa, Feb. 3.—Mr. Thos. Macfarlane, chief analyst of the Dominion, has just returned from a visit to the mining districts of British Columbia.

For several years engaged as geologist and Metallurgist in Neway in an Eastern Canada, he has observations on the ores of the Kootenay are likely to prove of interest to all persons engaged in mining.

"The information I obtained regarding the Kootenay mines was mostly from Mr. Carlyle, manager of the British American Corporation, who showed me specimens of the ores from the principal camps, and from pretty solid pyrrhotite (magnetic pyrites), intermixed with grains of chalcocite (copper pyrites) and magnetite.

"Although I believe that the smelting of lead ores will soon be undertaken in the Kootenay District, and be followed with advantage, I cannot shut my eyes to the still greater advantages which would result from a skilful blending of the ores of the various districts prior to smelting.

"The most of the gold is in the metallic state, and some of it can be separated on the sieve in a sufficient amount to be worth stamping with or without amalgamation, and concentration have been suggested, but the results are not very promising.

Table with 4 columns: Mine, Zinc, Lead, Silver, Gold. Lists various mines and their respective metal contents.

"The ores of the Sturgeon District differ from those of both Rossland and Nelson in containing lead. There are many 'shipping' ores and the following assays of samples of lead shipped, which were made in the laboratory of the Dominion, will give an idea of the character of the ores:

70 per cent. lead and 80 ounces of silver per ton: 1,400 lbs. lead, after deducting 10 per cent. for loss in smelting; bring say 1,260 lbs. lead per pound of 1,400 pounds of lead.

Deduct freight and treatment, which are never given separately by the smelters, but the freight amounts probably to two-thirds, \$20.75

Add value of 80 ounces silver at 60 cents \$23.33

Value at shipping point \$44.08

"From these figures it is evident that one with 55 per cent. lead takes nothing from that metal, its value being realized in its payment duty, freight and treatment, and the lower in lead than 55 per cent. must pay for some of the charges out of its contents in silver. This is not encouraging to the smelters with low-grade ores, but relief is expected in the near future from the Canadian Pacific Railway, which is to be a great benefit to the lead ores of the Kootenay.

"The opinion prevails that the smelting of lead ores might be established in the district, and the best millinery shipped to England, with acidified drainage to the ore producer. It is to be remembered that the Rossland ores, best deducting 10 per cent. for loss on the lead, take off 5 per cent. for the loss of silver by the smelting process.

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LEGISLATIVE ASSEMBLY

Bill to Preserve Rights Already Granted to Aliens Declared Out of Order.

Disfranchisement Bill Introduced—County Court Judges Proposed in Vain.

FRIDAY, FEBRUARY 10.

To-day was another day of quick advancement of small measures in the house, made notable only by the distribution of a message from the Governor, which was received by the government, and which will certainly excite as general indignation as the memorable five-decade rule of a few short years ago.

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REFUSED TO PAY TOLL

Packers Cut Down the Toll Gate on the Brackett White Pass and Wagon Road.

Work is Progressing Satisfactorily on the Railway—New Finds in Atlin.

AGITATION HAS BEEN GOING ON at Skagway for some time for the removal of the toll gates on the Brackett wagon road, through White Pass, culminated a week ago yesterday in a party of packers in charge of Brooks' pack train cutting down the gate and passing through without paying toll.

The agitation that has been going on at Skagway for some time for the removal of the toll gates on the Brackett wagon road, through White Pass, culminated a week ago yesterday in a party of packers in charge of Brooks' pack train cutting down the gate and passing through without paying toll.

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BID FOR YUKON TRADE.

Mr. Fraser, M.P. for Guysboro, Explains the Western Situation.

From the Montreal Gazette.

"Canada can get all the trade of the Yukon."

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NOTICES OF MOTION.

By Mr. Higgins—For a select committee, consisting of Messrs. Prentice, Smith, Macpherson, Helmecken and the mover, to inquire into the working of these several institutions, with a view to their practical completion.

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NOTHING LIKE IT.

People Read of New Cures Every Day—All are Genuine—The Best of Them.

Cured Mr. C. S. Griggs of Hamilton of Bright's Disease.

Hamilton, Feb. 11.—"I never knew anything like the way these testimonials to the efficacy of Dodd's Kidney Pills, in Kidney Disease, appear in the newspapers."

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WEST HURON CO.

Nominations for Vacancies in the Board of Supervisors.

Goderich, Ont., Feb. 14.—Nomination of candidates for the Board of Supervisors in the West Huron County, Ontario, was held to-day.

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