

BEST COPY  
Library, Legislative Assembly  
SEP 11 1905  
VICTORIA, B. C.

# THE NICOLA HERALD

Reading Room

Vol. I. No. 17.

NICOLA, B. C., THURSDAY, SEPTEMBER 7, 1905.

\$2 a Year.

## NICOLA COAL BASIN

COMMENTS ON DR. R. W. ELLS REPORT RECENTLY ISSUED.

The Geology of the Nicola Coal Basin, Coldwater, Ten-Mile, Quilchena Specially Written For The Nicola Herald.

### PART III.

It has been said that coal is where and what you find it. This is, doubtless, true, but it throws no light on "where to find it" and its age when found.

Those geologists that are employed in the public service at regular salaries, should bear in mind that the common people have not had the advantages of special training, and that the consequences that result from neglecting an important and resourceful district are equally chargeable to the government and the survey department that should have permitted more than a decade to pass without following up the previous survey as carried on by the late Dr. Dawson, Mr. McEvoy and other able assistants.

Dr. Ellis has been so long connected with the Canadian Geological Survey and so favorably known in connection with his reports in different parts of the Dominion that no one will for a moment question his efficiency and his integrity, though it is quite certain that the Nicola coal basin has lost much during the years when Dr. Ellis was busy in other fields. The late Dr. Dawson had a personal and intimate acquaintance with nearly all the rocks of the Nicola valley derived from constant attention and investigation, season after season. The spasmodic visitations often made by geologists of the survey to certain fields of observation sometimes inflict equal injury to the geologist and the district examined.

It takes repeated visits before the geologist can fully and finally determine the condition of occurrences. A reconnaissance has its uses and purposes but it needs to be filled in by close and constant observation.

The geological record of British Columbia, extending over a period of nearly thirty years, shows conclusions and inferences made without a full knowledge of conditions have often been modified or withdrawn after later and further investigations which required repeated visitations.

The mystery which shrouded the occurrence of coal in the Nicola Basin, for years, would not have prevailed if the government had carried out the plans of the late Dr. Dawson with regards to that field. That lamented gentleman was during his lifetime, the director of the survey. Since his death, although the gentleman who succeeded him has been ably and favorably connected with the geological survey for many years, and has repeatedly visited and made close and experienced observations in the Dominion field he is not permitted to sign his name as director but acting director. In the present summary report under review, the introductory report of the acting director is not even signed though it is written in the first person. All this would seem to indicate a want of status though not a want of ability on the part of the staff, relative to one another, and that it could be most advisable to define the status of the director, and give additional encouragement to the survey staff, since its work is fully appreciated by the country, and especially by those persons interested in economic mining.

Quoting from the report itself, page XXXI, introductory, I note the following: "A striking example of the value of

## TELEPHONE IMPROVEMENTS.

Now Being Done on the Kamloops-Nicola Line.

Work is progressing on the Nicola-Penticton telephone line and the repair gang are expected to return shortly to Nicola when an exchange office will be installed. The necessary outfit arrived last week.

The improvements on hand by Superintendent Stevens are the installation of exchanges at Nicola and Hedley, thorough overhauling of the line from Kamloops to Lower Nicola and Nicola to Princeton, and the building of a line from Kelowna to Princeton.

A most interesting feature of the new telephone line from Penticton up the lake to connect with Kelowna is that of spanning the lake with a cable from Kelowna to the west side. This will require about three miles of cable and the cable to be used is part of the old Atlantic cable.

When the exchanges are placed at Nicola and Hedley a number of new subscribers will be added on the line, although not enough to interfere with the proper working of it.

### Lords' Day Alliance.

The annual meeting of the provincial Lord's Day Alliance of British Columbia was held in Victoria at the Y. M. C. A. building Monday night, Mr. Ralph Smith, president in the chair, and Rev. J. S. Henderson, of New Westminster acting as secretary.

It was reported that there are 27 branch organizations in British Columbia out of a total of 600 in the Dominion. The Dominion organizations have a membership of 30,000 people, and the Lord's Day Advocate, the organ of the Alliance has a bona fide monthly circulation of \$1,000.

The most important question disposed of by the executive was in regard to the appointment of a paid secretary for British Columbia, Alberta, Saskatchewan and Manitoba. The appointment was unanimously, and the executive assumed the responsibility of raising \$600 to this end.

Jan. Trodden of New Westminster, arrived by special stage Sunday owing to the serious illness of his sister Mrs. M. P. Stewart.

A scientific knowledge of geology derived from actual investigation is the one referred to in a previous part of this report of the recent finding of a weak seam of coal in Cumberland county, Nova Scotia, after boring in a previously untried area, through a great depth of barren rock on the advice of Mr. Hugh Fletcher, of the Department. This discovery may prove to be worth many millions of dollars, owing to the increase in the value of the large tract of land which may now be, for the first time assured to be underlain by coal.

"It is of great importance to be able, even now, to form some genuine idea of the prospect for finding valuable minerals throughout the vast and little known regions which still form the greater part of the territory of Canada. Our preliminary or reconnaissance surveys all over this enormous area, already enable us, in a general way, to conjecture what this may be on the mainland of the continent, even as far as the shores of the northern seas and on some of our principal islands in the Arctic regions."

The first paragraph, when read by the Nicola prospectors for coal, shows that even Dr. Ellis may be in error in some instances with regard to the volcanics through which the boring operations have been conducted. The late Dr.

Continued on Page Three.

## GRAND TRUNK RY.

TERMINUS NOW DEFINITELY SETTLED AT KAIEN ISLAND.

Company Has Entered Into Agreement With Provincial Government—Ten Thousand Acres of Land.

As presumed when the British Columbia Government sold 10,000 acres of land on Kaien Island to the Grand Trunk Pacific, the railway corporation has entered into an agreement with the Provincial Government to establish its Pacific coast terminus on the land granted it on the island mentioned. At the time of the sale of the land there was no such agreement, but on Aug 3 last the agreement that the terminus should be located on Kaien Island was executed by the company with the government. This agreement is subject to the approval of the Governor-General in Council. The company has also agreed that on or before June 30, 1906, it will begin some substantial work on the construction of wharves, docks, stations, round houses, yards and other facilities of the proper and permanent character on the terminus site selected. It is further agreed by the company that while this work shall be started on or before June 30, 1906, it shall be "thereafter prosecuted to completion."

Ten thousand acres of the land was sold by the government to the railway company at the rate of \$1 per acre. The company has agreed to survey the land at its own expense. The government is to have a quarter-interest in the townsite in accordance with the provisions of section 35 of the Land Act, and the government has made such provision that it will have an interest in the waterfront of the terminus.

There is a provision in the agreement with the railway company "that the land fronting on the sea or other water shall be divided into blocks having a frontage on the sea or waterway of not less than a thousand feet." The government has the first right of selection in the division of the land, and it is to secure at least one block with a thousand feet waterfrontage.

The terminus will be located approximately forty miles to the southeast of Port Simpson. The approach to the terminus by water will be from Hecate strait by way of Brown passage and Chatham sound. Navigators state that this route will offer advantages to large ocean-going steamships which are not available to Port Simpson.

As a reason for choosing Kaien Island as its terminus on the Pacific, the Grand Trunk Pacific announces that it could not secure land either at Port Simpson or Kitimaat in advantageous location because it had all been grabbed by speculators, who put hold-up prices on their holdings.

### Visit Aspen Grove.

A. W. Stickland, manager of the Bank of Montreal and Alec. D. Macintyre, barrister of Kamloops, returned last week from a short visit to the Aspen Grove. After a day spent at the Bate Camp, at The Falls, they rode over a portion of the camp and were much pleased with the mineral showings of that section. Mr. Stickland expects shortly to return and take a trip all over the Aspen Grove Camp. Both gentlemen speak in the highest terms of the treatment accorded them at the Bate Camp and of the excellent meals served, being equal to the best hotels in the country.

Send your \$2 along and receive The Nicola Herald for one year.

## LOCAL NOTES.

Happenings in Nicola and Throughout the District.

There will be no services in the Presbyterian church Sunday evening.

Dr. McPhail, of Granite Creek, spent several days in Nicola this week.

Mrs. Newland has returned to the 22 Mile House after a visit at the Harrison Hot Springs.

Dr. G. M. Foster returned from the Similkameen Monday evening and may remain in Nicola.

The Bank of Montreal building is nearing completion and it is expected to move the office in next week.

J. W. Collip was in Nicola from Ten-Mile this week and reports that camp was coming up in good shape.

Prof. W. J. Sutton, representative of James Dunsmuir in the purchasing of the coal land on the Coldwater spent a few days in Nicola this week looking over the country in this vicinity.

Mrs. M. P. Stewart, who has been so seriously ill the past week is now resting easily and the medical men have every hope for her recovery, although the patient is in a very critical condition.

Word was received in Nicola this week that a man working on construction was badly damaged by a premature explosion while blasting rock. Both legs were broken with severe injuries to the chest and body.

Duncan Ross, M. P., with A. E. Howe will arrive from Princeton tomorrow. Mr. Ross is taking a tour of his constituency, and has received a warm reception through the Similkameen. As a member Mr. Ross has done well and Yale-Cariboo can have no complaint with his endeavors to give it fair treatment.

W. Scott and daughter, of Winnipeg, accompanied by his nephew and niece, S. J. P. Scott and Miss M. Edwards of Rookford, were visitors to Nicola yesterday. Mr. and Miss Scott have been taking in the west and the Portland fair, and on their return have been visiting relatives in the interior. They return to Rookford today and will go on to Kamloops Saturday on their way home.

### Accident to Marcus Woodward.

Marcus Woodward met with a bad accident at his saw mill Wednesday 30th ult. It appears that Mr. Woodward was taking chips from the "sticker knife" while the mill was running. In withdrawing his hand it came in contact with the corner of the "sticker knife" causing an ugly jagged wound. Temporary assistance was promptly rendered by Messrs Royal and Wallace, who after staunching the flow of blood, escorted Mr. Woodward to his residence, where Mrs. Marshall rendered skilled and efficient aid in dressing the wound, when it was seen that one of the leaders was completely severed.

On Thursday evening Dr. Kerr arrived on his way through to the village, he promptly joined the severed leader and stitched the wound. Mr. Woodward's many friends will be glad to hear that, barring carrying his hand in a sling for a week or so, the genial Lower Nicola J.P. will be out and about as usual.

## V. V. & E. PLANS

SIMILKAMEEN & KEREMOES RAILWAY MAKE OBJECTIONS.

Judgement Reserved by the Railway Commission at Ottawa, Saturday, to the Objections Taken.

At Saturday's meeting of the Railway Commission at Ottawa, the objections taken to the Victoria, Vancouver & Eastern Railway by the Similkameen and Keremoes Railway were again put forward by Mr. Aylesworth, K. C. Mr. Aylesworth admitted that the company he represented was not properly organized. There were three provisional directors, Messrs. McArthur, McRae and McDougall. Mr. McArthur was dead and Mr. McRae could not be found to call a meeting for organization. The company was ready to proceed with the work of construction and put up the necessary amount of capital to commence operations. All that prevented this was the difficulty in getting two of the provisional directors to call a meeting. He objected to their right-of-way being taken from them.

Mr. McGivern appearing for the Victoria, Vancouver & Eastern, said that the plans of the Similkameen & Keremoes were not location plans at all. However, his main objection was that the company was not organized, and consequently no group of individuals had any right to appear and object to the V. V. & E. plans which were properly before the board.

Judgment was reserved.

### Police Court.

Quite a land office business was transacted this week by our local judges. All the victims were aborigines. William for beating his wife got 30 days, and also for having booterine paid \$25 and costs.

Young Tom, another booze fighter donated \$10 and costs for trying to create a famine of whiskey and Bob Patton who was a competitor of Young Tom, paid \$20 and costs.

Michelle, an Indian, is doing fifteen days on the chain gang for stealing a dog and selling him. While passing through Coulees several days ago Michelle appropriated a young setter pup belonging to Dolph Fyall, taking it to Nicola he sold it to Fred Howe for \$3. "Dolph" missing his dog telephoned to Nicola about it. Fred answering the phone gave him the information that he had the animal. Michelle was arrested and the charge proven, he was given fifteen days with hard labor.

### Spokane Fair.

The 12th Annual Interstate Fair will be held at Spokane on October 9th to 15th. Last year the Nicola district won first prize for best exhibit of coal at this fair. Some efforts are being made this year to have a mineral exhibit from this section and it is hoped it will materialize. The Nicola coal and copper could be shown to good advantage and the Spokane fair is a good place to have an exhibit.

During the past week P. Bookmier, managing director of the Nicola Coal Mines, Ltd., have had the company's property on Lindley Creek surveyed. Work is still going on and Mr. Bookmier is well pleased with the prospects of his property. Mr. Metcalf, of Palouse, Wash., a director of the company, has been at Coulees for the past week and is looking over the country.



THE NICOLA HERALD

Published Every Thursday
Subscription, in Advance, \$2 a Year
NICOLA, B. C. SEPTEMBER 7, 1905.

The Dominion Fisheries officers are at work along the Nicola river keeping it clear of traps and devices used to catch salmon. The Indians have for years captured the fish in this manner and as a result very few ever get up to Nicola lake.

Peace between Russia and Japan has been practically concluded. The Japanese yielded nearly everything. In the final struggle Russia diplomatically achieved a victory.

INDIANS PREPARE.

Prizes For Sports and Exhibits Attract Them to Dominion Fair.

Advices from various missions and agencies throughout British Columbia which are continually reaching the office of Manager Keary promise that the gathering of Indians in New Westminster during the 1905 Dominion Fair which opens on Sept 27, will be fully as large as was at first anticipated, if not larger.

The Indians have been informed of the prizes that are offered for their sports and exhibits and keen rivalry has developed among the numerous tribes. The national felling has also been aroused by the announcement that a big purse is offered for an international war canoe race and that a number of the strongest and fastest red men of the state of Washington will journey to the Fraser river with a determination to demonstrate their physical superiority over the British Columbia braves.

CHRIS. OUTHETT

A. R. C. Sc. London.
PROVINCIAL ASSAYER

Kamloops, B. C.
Assays and analyses of Ores, Coal and Industrial products.
Samples by mail or stage receive prompt attention.

MRS. TUTTIL-MARSHALL

NICOLA LAKE, B. C.
Graduate M. G. H. and W. H., Montreal.
Licentiate of the College of Physicians and Surgeons of the Province of Quebec.

NOTICE.

Notice is hereby given that within 30 days I intend to apply to the Commissioner of Lands and Works for license to prospect for coal on the following described land situated on Lindsey creek joining the James Carlin and the Charles Collett farm, commencing at the north-east corner of the James Carlin claim and running 80 chains west, thence 80 chains north, thence 80 chains east along the line of the Charles Collett farm to the Indian reservation, thence south to place of beginning, containing 640 acres or less.

NOTICE

Notice is hereby given that within 30 days I intend to apply to the Commissioner of Lands and Works for license to prospect for coal on the following described land: Commencing at the north-east corner of lot 1420, thence east 40 chains, thence south 80 chains, thence west 40 chains, thence 80 chains north to place of commencement.
Sept. 2nd, 1905.
THOMAS METCALF,
Paul Bockmier, Agent.

BIFOCALS OR DOUBLE VISION GLASSES
Give a satisfaction that nothing will replace. They come so near to the natural that you will feel like you did in boyhood.

MALLERY DRUG CO
KAMLOOPS
ALEC D. MACINTYRE
Barrister, Notary Public &c.
Office.—Commercial Block, east of Post Office, Kamloops, B. C.

John D. Swanson, B. A.
Barrister, Solicitor and Notary Public
Office: East of the Canadian Bank of Commerce, south side of Victoria street, Kamloops.
Money to loan on real estate security.

HARDIMAN & MARSDEN
Land Mining and General Supply Agents
Mining engineers. Reports on mining properties through the District. Agents for mining, contractors, farm machinery, wagons, buggies, etc. Cable address, "Aurum." Codes: Bromhall, Moreang & Neal, A. B. C. 4th. Warehouse—Cantof, Nicola Valley, B. C.

Notice is hereby given that within sixty days from date I intend making application to the honorable chief commissioner of lands and works for permission to purchase 75 acres of pasture land in the Yale division of Yale district situated as follows: Commencing at a stake at the S.W. corner of lot 745 running thence south 20 chains more or less to the N.W. of Jas Corbett's coal lease, thence east 40 chains, thence north 20 chains to lot 746, thence west 40 chains to the point of commencement.
J. COSTILLON,
July 20th, 1905.

NOTICE
Thirty days after date I intend to apply to the Chief Commissioner of Lands and Works for a licence to cut and carry away timber from the following described lands: Commencing at a post marked F. Woodward one mile westerly from J. Coutlee's pre-emption line and running north 80 chains, east 80 chains, south 80 chains west 80 chains to point of commencement containing 640 acres. Also commencing at a post marked F. Woodward and running north 80 chains, west 80 chains, south 80 chains, east 80 chains to point of commencement, containing 640 acres.
F. WOODWARD, Locator.
J. E. SHIVEL, Agent.
Aug. 7, 1905.

NOTICE
Thirty days after date I intend to apply to the chief commissioner of lands and works for a licence to prospect for coal on the following land commencing at a post marked J. McCabe, N. E. corner, thence South 80 chains, thence West 80 chains, thence North 80 chains, thence East 80 chains to point of commencement.
J. M. McCABE, Locator.
Coldwater, Nicola, July 23, 1905.
Commencing at a post marked A. G. McCabe, N. W. corner, running South 80 chains, East 80 chains, North 80 chains, West 80 chains to point of commencement.
A. G. McCABE, Locator.
J. Costillion, Agent.
Coldwater, Nicola, July 23, 1905.
Commencing at a post marked E. Smith's, N. E. corner, running south 80 chains, West 80 chains, North 80 chains, East 80 chains to point of commencement.
E. SMITH, Locator.
J. Costillion, Agent.
Coldwater, Nicola, July 23, 1905.
Commencing at a post marked R. Davidson, N. W. corner, running South 80 chains, East 80 chains, North 80 chains, West 80 chains to initial post.
R. DAVIDSON, Locator.
J. Costillion, Agent.
Coldwater, Nicola, July 23, 1905.
Commencing at a post marked S. E. Ross, N. E. corner, running South 80 chains, thence West 80 chains, thence North 80 chains, thence East 80 chains to initial post.
S. E. ROSS, Locator.
J. Costillion, Agent.
Coldwater, Nicola, July 23, 1905.
Commencing at a post marked R. J. Ross, N. W. corner, running South 80 chains, East 80 chains, North 80 chains, West 80 chains to initial post.
R. J. ROSS, Locator.
J. Costillion, Agent.
Coldwater, Nicola, July 23, 1905.
Commencing at a post marked D. McInnes, N. E. corner, running South 80 chains, West 80 chains, North 80 chains, East 80 chains to initial post.
D. McINNES, Locator.
J. Costillion, Agent.
Coldwater, Nicola, July 23, 1905.
Commencing at a post marked M. McInnes, N. W. corner, running South 80 chains, East 80 chains, North 80 chains, West 80 chains to initial post.
M. McINNES, Locator.
J. Costillion, Agent.
Coldwater, Nicola, July 23, 1905.
Commencing at a post marked W. G. Murray's, N. E. corner, running South 80 chains, West 80 chains, North 80 chains, East 80 chains to initial post.
W. G. MURRAY, Locator.
J. Costillion, Agent.
Coldwater, Nicola, July 23, 1905.
Commencing at a post marked J. F. Murray's, N. W. corner, running South 80 chains, East 80 chains, North 80 chains, West 80 chains to initial post.
J. F. MURRAY, Locator.
J. Costillion, Agent.
Coldwater, Nicola, July 23, 1905.
Commencing at a post marked J. Graham, N. E. corner, running South 80 chains, West 80 chains, North 80 chains, East 80 chains to initial post.
J. GRAHAM, Locator.
J. Costillion, Agent.
Coldwater, Nicola, July 23, 1905.
Commencing at a post marked D. Murray's, N. W. corner, running South 80 chains, West 80 chains, North 80 chains, East 80 chains to initial post.
D. MURRAY, Locator.
J. Costillion, Agent.
Coldwater, Nicola, July 23, 1905.

1905 1905
DOMINION EXHIBITION
SEPT. 26 TO OCT. 7
NEW WESTMINSTER
Stupendous and comprehensive array of Exhibits representing the resources of all Canada.
\$100,000 In Prizes and Attractions \$100,000
Enlarged grounds, new, handsome and spacious buildings
World's Championship events in Rowing and Lacrosse, Horse Racing, Broncho "Busting," Military Parades and Exercises.
Royal Irish Guards and other Famous Bands.
Grand Water Carnival—Parade of Fraser river fishing fleet, patrol boats, H. M. Warships, Indian war canoes, etc.
Indian Sports.
For all information write W. H. Keary, Secretary and Manager, New Westminster, B. C.

HORACE F. EVANS
Explorer and Geologist
Of the College of Liberal Art
Having made a careful examination of the Thompson, Honaparte and Nicola divisions of Yale district, British Columbia, is prepared to furnish investors and intending investors with reliable reports on the occurrence of metalliferous ores, also coal, lignite coal and lignite within the district indicated.
Having made a careful examination of the Coldwater coal beds of the Nicola Valley and Hat creek country, very dependable reports on the character of those coals and lignites will be furnished to investors and others. These examinations have extended over many years and the value as well as extent of the coal measures will be given. Regular address, Ashcroft, B. C. Cable and Tel. address, "Ashcroft," Ashcroft.

NOTICE
Sixty days after date I intend to apply to the chief commissioner of lands and works for permission to purchase 300 acres, more or less to mountain pasture land situated on the south side of Stump Lake in the Nicola valley division of Yale district, such land being described as follows exclusive of other lands: Section 3, T 100 S. W. 1 Section 10, T 100 commencing at the corner of the north west section 3, T 100, running north, thence 40 chains west, thence 80 chains south, thence 40 chains east to point of commencement.
M. M. KAWARDS,
Rockford, B. C., Aug. 11, 1905.

MINERAL ACT.
Certificate of Improvements
NOTICE
Aberdeen, Plymouth Queen, Manchester, London, Copper Belle and King Solomon's Dream Mineral Claims Situated in the Nicola-Kamloops Mining Division of Yale District Claims located near 10 Mile Creek, North Nicola.
Take notice that I, John D. Phipps, free miner's certificate No. 378 903, intend 60 days from the date hereof, to apply to the chief recorder for a certificate of improvements for the purpose of obtaining a crown grant on the above claim.
And further take notice that after the expiration of such period before the issuance of such certificate of improvements.
Dated this 23rd day of June, 1905.
JOHN D. PHIPPS.

NOTICE
Sixty days after date I intend to apply to the chief commissioner of lands and works for permission to purchase 40 acres of mountain pasture commencing at a post marked A. L.'s N. W. corner thence 80 chains, thence E 20 N 20, thence along Fish Lake shore to initial post 40 acres.
ANTOINETTE LAMPRON.
7th July, 1905.

PRINCETON NICOLA
"WE LEAD, OTHERS FOLLOW"
We invite attention to our
NEW FALL AND WINTER GOODS
We have received several large shipments now and would draw your special attention to what we are showing in
Blankets for Home and Camp use. Large variety all weights and prices.
Men's Working Shirts. Medium and Heavy Woollen Underwear. Large assortment of Wool Socks.
Driving and Working Gloves and mits in all the best makes.
HUNTING AND RIDING COATS.
The A. E. HOWSE CO., Ltd
GENERAL MERCHANTS
Forwarding Agents from Spences Bridge to all points in Nicola and Similkameen.
Agents Nicola Townsite, Insurance Agents.
NICOLA PRINCETON

METROPOLITAN MEAT MARKET
NICOLA LAKE, B. C.
Prime Beef, Mutton, Lamb, Veal, Pork and Sausage
Orders throughout the District receive careful attention and promptly delivered
JAMES POOLEY Proprietor
Twice a week delivery to Lower Nicola, Coutlee, way points
COUTLEE BLACKSMITH SHOP
ANDREW SMITH, Proprietor
All kinds of Blacksmith work and Horseshoeing done in first class shape. Leave your work here and it will receive prompt attention. Satisfaction guaranteed.
NOTICE
Sixty days after date I intend to apply to the chief commissioner of lands and works for permission to purchase 40 acres of mountain pasture commencing at a post marked A. L.'s N. W. corner thence 80 chains, thence E 20 N 20, thence along Fish Lake shore to initial post 40 acres.
ANTOINETTE LAMPRON.
7th July, 1905.
A. O. F.
COURT NICOLA, No. 8831, A. O. F., meets second and fourth Friday in each month at 8 p.m., in Pooley's Hall. Visiting brethren cordially invited.
RIC. A. FRASER, C. R.
A. H. CARRINGTON, Sec.

THE ONLY MOWER TO BUY IS The Deering
It has the largest sale of any Mower in the market and is without doubt the finest made. Deering Binders are the best.
Deering Hay Sweepers you can't do without. Deering Stackers can't be beat. Deering Hay Rakes last the longest. Write or call and see W. HARGRAVES, Kamloops, B. C.



NICOLA COAL BASIN.

Dawson, himself, an able geologist who has not been replaced on the geological survey of Canada, recommended the following places where bores might be put down in the search for coal.

1. Nicola Valley from three-quarters of a mile to a mile east of the road crossing of Skulkum creek.

2. Nicola Valley near the bridge at its mouth within half a mile above the bridge. At both these places it is believed that a boring would begin at the surface at a horizon low down in the volcanic accumulation of the Tertiary.

The caps are mine because I wish to emphasize the fact that the Tertiary volcanics having been laid down in the middle or Miocene Tertiary, and the Nicola coal having been laid down in the early Tertiary or as some persons believe between the Cretaceous and the base of the Tertiary there is nothing absurd but very proper in boring through Tertiary volcanics at favorable places to reach the underlying coal beds, always bearing in mind that the boring does not take place through Triassic or Mesozoic volcanics. It is my opinion that Dr. Ellis knowing that his report would be of great interest to Nicola people should have more fully elucidated his point, though it is clear enough to the technical reader, that his report is made against Triassic volcanics—or volcanics which ante-date the coal formation and on which in some instances he says the coal has actually been laid down.

The late Dr. Dawson in his geological map and in his report made quite a distinction between the different series of volcanic accumulation. Judging from the index map accompanying Dr. Ellis' report the two great divisions of the volcanic are merged into one and judging from personal investigations I am inclined to believe that the areas assigned to the volcanic at Guichen creek and the Coldwater are not correctly defined. As to those points I will have something to say later.

It is quite evident, however, that it would have been advisable to define in the map the earlier volcanic series—the volcanic accumulations anti-dating the coal strata and subsequently. The value of the map would have been greatly enhanced if this had been done.

The search for coal is conducted with great expense and under many disadvantages and the distinction between Triassic volcanic products and that of Miocene Tertiary is not always readily made.

However, Dr. Ellis' report is valuable for what it does not contain as well as what it does contain and the next report will clear up many points that are now obscure.

As I firmly believe and I have always believed it, the coals of the Nicola Basin are correlated, that is, they are of identical age—much of the coal having been denuded in the Miocene Period of Tertiary. I trust that I shall not be accused of having prejudices in this matter.

In the appendix of the Summary Report marked A. is the following Palaeontological evidence as to the age of the coal belonging to the Nicola Basin is given: Leaves, stems of plants, seed, fragments of cones, etc. from the brown shales of the Diamond Vale Coal Company's property at Quilchena, British Columbia, collected by Dr. R. W. Ellis and R. A. Johnston, 1904. B. Leaves, fragments of branches from the gray shales of Coal Gulley, near Coutlee, British Columbia. These grey shales are some 400 feet below the horizon of the brown shales holding the abundant flora of Quilchena, B.C.

The doctors are differing but the patient is still robust. Geologist and Palaeontologist differ, simply because their investigations are yet but in their infancy and all attempts to correlate and fix definite horizons in every case must be uncertain until the investigations have been completed. We have only to refer to the history of the Judith River and Belly River Cretaceous stratigraphically correlation for analogy. Years were occupied in an interesting discussion, of course, but nothing was definitely decided until F. H. Knowlton, L. W. Stanton and J. B. Hatcher took the field. Now we have peace.

Dr. Ellis' report occupies about 32 pages of the Departmental report and it is most interesting and I am unable at present to review it fully, but I shall

**THE Bank of Montreal**

Capital all paid up, \$14,000,000 Rest, \$10,000,000  
Balance Profit and Loss Account, \$373,988  
Total Assets \$135,244,527.74

PRESIDENT, Rt. Hon. Lord Strathcona and Mount Royal, G. C. M. G.  
VICE-PRESIDENT, Sir Geo. A. Drummond, K. C. M. G.  
GENERAL MANAGER E. S. CLOUSTON

Head Office—Montreal

**SAVINGS BANK DEPARTMENT**

Deposits received from \$1.00 and upwards. Interest credited twice a year.

Withdrawals without delay

**Banking Business of every description Undertaken.**

**BANKING BY MAIL**

Deposits may be made and withdrawn by mail. Out of town accounts receive every attention.

**THE NICOLA BRANCH IS NOW OPEN**

A. W. STRICKLAND, Manager.

reserve a considerable portion of it for later criticism.

This report brings the whole question of Nicola coal occurrence, etc., forward several stages at least. It correlates the Coldwater strata with the stratigraphy of Ten Mile, Guichen and Quilchena. The correlation of these beds, previously, was only hypothetical.

To say that the Similkameen formation cannot be correlated with the three sections just named. The use of the term Miocene should not be restricted to a single formation. There are lower, middle and upper, consequently the term comprises a number of formations. The next step in order will be to determine the exact position of the Similkameen beds or their relation with those of the Nicola-Coldwater group. No Palaeontologist can alone set in judgment in this matter, the geologist himself must also be consulted and it will take a consensus too.

In the meantime let us await the verdict, bearing in mind that an inferior coal may sometimes occupy a lower horizon than a superior one though not necessarily so.

I must, however, frankly admit that the official verdict leads to the conviction that all the coal of the Nicola-Similkameen areas belong to the Tertiary age but all does not belong to the same horizon. There are still some points of great importance to be determined and scientific boring in properly selected localities will materially aid in solving these problems, not omitting the palaeontologist who is sometimes premature and not a little arbitrary yet he cannot be pushed aside.

HORACE F. EVANS.  
Ashcroft, B. C., Aug. 19. 1905.

**Quilchena Hotel**

**Unequaled as a Summer Resort**

Good Fishing and Shooting. Guides and Horses always ready. Telephone connections all directions

First Class Accommodation. Terms: Moderate.

S. KIRBY, Proprietor  
QUILCHENA, B. C.

**THE PLACE TO BUY YOUR SMOKING GOODS IS AT**

**J. A. SCOTT'S CIGAR & TOBACCO STORE**  
KAMLOOPS

Full stock of Domestic and Imported Cigars, and the best smoking tobacco always on hand. Drop in and enjoy a quiet game of billiards. Agent for the Pioneer Steam Laundry, Vancouver. Laundry shipped every Saturday.

**HOTELS**

**DIMENSION HOTEL**, the best house in town. Headquarters for the Nicola, Lewis creek and Granite creek stages. Every convenience for travelers and commercial men. Excellent and well stocked bar. C. J. Robinson & Co., proprietors, Kamloops.

**MONTREAL HOTEL**, Kamloops, Napoleon Latremouille, proprietor. First class in every particular. Good wines, liquors and cigars. Stabling in connection.

**KAMLOOPS HOUSE**, P. Herod, proprietor. Best stock of wines, liquors and cigars in the interior. Just the spot for a nice cool refreshing glass of beer. Wheel in Kamloops call in.

**GRAND PACIFIC HOTEL**, Kamloops. The nearest hotel to the railway station. The only convenient hotel for travelers. Good rooms, good table, good liquors. Two large sample rooms. P. A. Barnhart, proprietor. Good stabling in connection.

**ASHCROFT HOTEL**. The most convenient hotel for visitors in Ashcroft. The best of table board. Hot and cold baths. Our representative meets all trains. Johnson & Perkins, proprietors.

**GRAND CENTRAL HOTEL**, Ashcroft. Everything up-to-date, the house has lately been remodelled and is now under new management. The bar is supplied with choicest brands of wines, liquors and cigars. When in Ashcroft stop at the Grand Central, George Ward, proprietor.

**Stop at the ROCKFORD HOUSE**  
ROBT. SCOTT, Proprietor

When traveling on the Nicola road convenient place for travelers, with good accommodation.

**Otter Flat Hotel**  
Charles Debarro, Proprietor.  
TULAMEEN CITY, B. C.

Headquarters for Summit, Rabbit mountain, Tulameen river, Boulder, Bear and Kelly creek camps. Good Fishing and Boating.  
P. O. Address: Aspen Grove.

**LOWER NICOLA PORTABLE STEAM SAWMILL**

Is prepared to take contracts for sawing lumber and getting out timber.

**General Mill Contracts Executed PRICES MODERATE**

Parties wishing work can have same promptly attended to by applying to  
**F. D. WOODWARD,**  
Lower Nicola, B. C.

Send your \$2 along and receive The Nicola Herald for one year.

**STEWART'S NICOLA AND PRINCETON Royal Mail, Express and Stage Lines**

also General Livery

Head Office: - - - Nicola Lake, B. C.

**STAGES**

Leave Spences Bridge

Every Thursday for Nicola Lake, Kamloops, Princeton and way points at 6 a. m.

Every Saturday for Nicola and way points at 6 a. m.

Leave Kamloops

Every Monday for Nicola and Spences Bridge at 6 a. m.

Leave Princeton

Every Sunday 6 a. m., arriving Spences Bridge Tuesday 6 p. m.

Leave Nicola

Every Tuesday and Friday for Spences Bridge at 6 a. m.

Every Friday for Princeton at 6 a. m.

Special trips made by appointment.

Telephone connection with Kamloops

M. P. STEWART, - - - Proprietor

**R. M. WOODWARD**

Is still doing business at the Old Stand. A good stock of Lumber constantly on hand. Orders promptly filled.

Lower Nicola, - - - B. C.

**Rosedale House, Lower Nicola**

GENERAL STORE, POST OFFICE, EXPRESS AND TELEPHONE OFFICE.

S. J. WOODWARD

**To Our Customers**

From Nicola and the surrounding country will find us in our new store in the Noble Block, a few doors west from our old stand. Our new store was fitted up specially for us with Clothing Wardrobes and fixings of all the latest designs of a city store. We will have a larger stock than ever, any orders entrusted to us will receive immediate attention. Satisfaction given or money refunded.

F. E. BURNS - - - Kamloops, B. C.

**J. McQUISTON**

**Merchant Tailor Gents Furnisher**

Now is your time to select your Summer Suit. Nice patterns of Scotch, English and Irish Tweeds. First class fit guaranteed.

W. J. KERR

**Watchmaker, Jeweler**

KAMLOOPS, B. C.

All kinds of Watches, Clocks, Jewelry, etc., kept in stock. Wedding presents a speciality.

First class repairs done on short notice and returned at once.

If You Need Anything in the

**CARPENTER**

Line, send your work to the undersigned. All orders finished in a workmanship manner. Cabinet work a speciality.

J. R. MCGREGOR,  
Lower Nicola, B. C.

