Legislative Assembly
FEB 19 1908
VICTORIA, B. C.

The Evening Sun.

Seventh Year---No. 16. Grand Forks, B. C., Friday, February 14, 1908. $1.00 Per Year in Advance.

A SIMPLE METHOD

Prospectors in the Hills Can Easily Tell the Nature of Minerals

By Means of an Inexpensive and Quite Portable Outfit

The simple tests described in the following article are intended for prospectors out in the hills who wish merely to know if any metal or metals may be found in a sample of ore. The article was written specially for THE SUN by Mr. E. H. Vaughan, a practical assayer, who has also had considerable experience as a prospector, and furnishes systematic methods for the detection of the common metals of commercial value.

The necessary outfit is inexpensive, occupies but a small space, and is of little welght. It consists of:

A cheap form of blowpipe.

An alcohol lamp. (A substitnte may be made from a small square ink bottle with a wide mouth, fitted with a cork bored to carry the round metal part of a penhold, through which is run the wick.)

Three or four blocks prepared alderwood charcoal.

Six inches platinum wire.

About a dozen pieces glass tubing, 6 inches long and 3-16 inch in diameter.

One pair forceps (tweezers), preferably platinum tipped. (Iron will do, but not brass.)

A small magnet.

A small agate mortor and pestle. (At a pinch this can be done without.)

Carbonate of soda, 2 ozs.

Borax, 1 oz.

A little nitric acid and sulphuric acid in small good glass-stoppered perfume bottles is useful:

A little of a strong solution of cobalt nitrate—solution 10% strength.

Three test tubes and three porcelain cupolas (small) will also be extremely useful.

All these things will cost but little, and can be purchased from any assayers' supply house or good chemist.

A sample of ore is secured and an examination is made. by observing streak, fracture, and cleavage, and also its hardness, much may be learned from this. To test further, portions of the mineral is taken and crushed very fine. By mineral is meant the portion of the ore that common sense would suggest as carrying the metal or metals, and differs materially from the gangue of the rock.

Some ore carries different kinds of mineral, such as zinc blend (blackjack), and iron and copper pyrite, and perhaps galena. Or, again, lead carbonate and calcite may occur together, and although both are whitish, they will differ in appearance. Each different variety should be examined separately. The sample may be massive and all mineralized. In this case there is no choice. Just a portion is taken and tested.

To produce the blowpipe flames (oxidizing and reducing) requires much practice, for the flame must be continuous and long sustained. To produce the flame the mouth is filled with air and quite gently expelled into the pipe; but before the supply is half exhausted, and while still blowing, another supply is taken in through the nose. There will be no difficulty in this, if the unconscious effort to close the lips and raise the tongue to the roof of the mouth be avoided. The tip of the blowpipe is placed just into the flame, and close to the wick, for the oxidizing flame, and further into the flame for the reducing flame.

The oxidizing flame is the whitish, faintly luminous one seen at the tip of the flame.

The reducing flame is the blue inner one.

The first gives out oxygen to a substance, it being charged with air.

The latter deprives a substance of its oxygen and reduces it to metal.

The inner or reducing flame consists of highly heated gases and minute unconsumed particles of carbon, but in the oxidizing flame all these conditions are altered.

It is important that one should be able to control these two flames at will. To know by actual experiment the oxidizing flame from the reducing flame, to a bead of carbonate of soda add a little of any manganese salt, oxide for preference, in the oxidizing flame. This is bluish green, but in the reducing flame it is colorless. The alcohol lamp scarcely gives enough heat for the reduction of oxides upon charcoal to metal. For this purpose use a rather broad lamp wick—one inch—partially immersed in paraffin wax or ordinary tallow. A small sized tobacco tin will do—a tallow-dip, in fact.

Take a portion of powdered mineral and place it upon a small, shallow hole in the charcoal. Heat at first gently, and finally strongly, in the oxidizing flame. The coal is held in the left hand and the blowpipe in the right. The substance is on the lower part of the end of the coal, so that the flame sweeps gently up the coal, and gives coats or incrustations on the cooler portion of the coal. If the substance is a sulphide, this roasting drives off most of the sulphur. Break up the clot and turn up fresh portions to the flame, so that oxidization may be thorough. Now, if the substance is light colored, it may be zinc, lime, strontia, barium, etc. If zinc, it will be yellow while hot and white upon cooling, and glow very strongly. Cool and add two or three drops of cobalt nitrate solution and heat again strongly in oxidizing flame.

Zinc gives a green color.

Magnesia gives a pink or flesh color.

Alumina gives a blue color.

If the substance is black or dark colored, test by borax bead or on charcoal with soda. In either case, however, save a portion of the roasted substance. Take another small portion and mix with three times as much carbonate soda and upon the hollows in the coal, and cover with a little more soda. Heat gently at first to fuse the soda, and finally strongly with the reducing flame. Metal beads, spangles, or metallic powder is produced, and coats or incrustations given upon the cooler part of the coal.

This is important and should be carefully noted:

Lead gives white mallable beads, which mark paper.

Silver gives white mallable beads, soluble in warm nitric acid; gives a white curdy proportion on adding a very little common salt.

Tin, white mallable bead, not soluble, but gives white powder in nitric acid; powder not soluble in tartaric acid or cream of tartar.

Bismuth, white brittle bead, soluble in nitric acid.

Antimony, brittle white bead; powder white in nitric acid, same as tin, but soluble on adding tartaric acid or cream of tartar.

Copper, red spangles or flecks of metallic copper; soluble in nitric acid.

Iron, nickel and cobalt give black metallic powder, attracted by magnet.

The beads are easily seen. In case of doubt, however, detach the fused portion and rub up in agate mortor with a little water and decant carefully, and repeat this a few times. Soda and sodium silicates are soluble, and the metallic portions are left. Dry and examine as above.

To test with acids, place bead or spangles or powder in test tube and pour on about three-fourths of an inch of nitric acid. Hold the test tube by neck in a fold of paper, over an alcohol lamp, and heat until solution. When red fumes cease coming off dilute with one and one-half inches of water, and split into two portions.

To the clear portion add a small pinch of salt; if curdy proportion, it is silver. Allow it to settle. Decant the clear portion and add a few drops of sulphuric acid. If white proportion again comes down, it is lead.

(*Continued on Page Three.*)

BADLY SCORCHED

Morrison Block Damaged by Fire and Water to Extent of $2000

McIntosh & Heron's Stock, Uninsured, Badly Soaked by Water

Shortly after noon on Wednesbay dense volumes of smoke were discovered issuing from the Morrison block, on First street, and an alarm of fire was immediately sent in. The department responded promptly, and for three hours the members worked stubbornly and heroically to save the building, which they finally succeeded in doing, notwithstanding the fact that the flames had gained considerable headway in the interior of the block when they arrived on the scene.

The origin of the fire was caused by an attempt to thaw out some water pipes under the building, and the flames got between the plastering and the siding of the walls, making it extremely difficult to fight the fire.

The building was owned by N. D. McIntosh, and the first floor was occupied by McIntosh & Heron's furniture store, while on the second floor David Whiteside, barrister, had his offices. The Orange lodge room and a number of sleeping apartments, occupied by Mr. McIntosh, the Waugh brothers and others, were also located on this floor. The effects of the roomers and the lodge paraphernalia were uninsured and are a total loss. Mr. Whiteside managed to save his law library, but the damage to his office furniture, which was uninsured, will amount to a considerable sum.

The damage to the building is estimated at fully $2000, most of it being caused by water and the chopping away of floors and walls by the firemen in an endeavor to get at the flames. The British American Trust company carried $2000 insurance on the building.

The large furniture and hardware stock of McIntosh & Heron was totally uninsured, but as the greater portion of the goods were removed, and as the fire did not reach those left in the building, the damage will consist principally of water. None of the goods were entirely destroyed. Neither Mr. McIntosh nor Mr. Heron will be able to give an estimate of their loss until they have made a thorough examination of the condition of the goods.

The Hindus as reported to have done good work in assisting to save the goods.

Mrs. Kraus' rooming house, in the adjoining block, was also slightly damaged by water, and the postoffice received a partial drenching.

Arrest of Cedio

The Deseret Evening News, of Salt Lake City, gives a vivid description of the capture of Cedio, the Niagara murderer, which was announced a week ago. The following is an extract: "The still hunt went on. Thursday evening Deputy Marshal Smyth and Officer Devitt stood in the storm waiting for their man to come along Second South street. He failed to show up, and at midnight the officers went home, tired, wet and numb with cold. They were back on west Second South yesterday morning, and at noon saw their man. Mr. Smyth approached the fellow quietly and asked him if he was looking for work. 'I am,' said the Italian, unsuspectingly. 'Well,' I have some trench work to be done, and if we can come to terms you are just the man I want,' said the officer. Continuing to discuss work, times and similar topics, Mr. Smyth steered the Italian east off Second South from the Greek section, and when the county jail was reached they turned in. 'This is the place,' said Smyth. 'The work is in the rear, but you had better come in and be registered and put on the payroll in the regular way. This is my partner,' he added, as Officer Devitt approached. The three men turned into the county jail and entered by a side door. The door was clicked behind Cedio. Something then seemed to tell the wiley Italian he had walked into a trap. His eyes narrowed and glanced around quickly. He had been pushed into a chair by Officer Devitt and as he heard Smyth saying, 'You are under arrest for destroying a hotel and the murder of a girl—etc.,' and his nerve seemed to give away."

CITY NEWS

The C.P.R. semaphore east of the trestle was destroyed by fire last Wednesday night. When discovered it was found that the lighted lamp attachment had been tampered with, causing the lamp to descend and explode and entirely burn up the semaphore. An investigation is pending.

A telegram was received in the city last Saturday from Vancouver saying that A. L. Clements' daughter, Beatrice, had died in that city that morning.

The codlin moth appear to have a special fondness for some of the Washington apples recently shipped to this city.

A number of surveyors have been at work this week on the south side of the Great Northern railway bridge at the smelter dam. While no one appears to know whom these men are working for, some talk has been current about a new steel bridge.

Mrs. E. G. Dahl and Miss Pauline Dahl went down to Spokane this week to hear the great Paderewski.

P. H. Burnham, district freight and passenger agent of the Great Northern, with headquarters in this city, made a business trip to Spokane this week.

Mr. and Mrs. H. W. Warrington left this week for their ranch at Grant's Pass, Ore., where Mr. Warrington will remain until construction work is resumed on the Kettle Valley line.

Mayor Fripp made a business trip to Nelson this week.

A report from Victoria states that it is understood that Lieutenant-governor James Dunsmuir will retire from office soon after the close of the present session of the legislature.

A 10-STAMP MILL

Is to Be Installed at the Little Bertha Mine, Near the City

New Owners Expect to Have Plant in Operation by July 1st

As recently stated in these columns, a controlling interest in the stock of the Little Bertha Gold Mining company has been purchased by Dr. W. H. Appleton, Donald McLean and John F. Wikstrom, of Spokane, for a consideration of about $30,000. The company's property is located a short distance north of this city. A few days ago, in speaking of the purchase, Dr. Appleton stated to the Spokane Chronicle:

"We believe we have made the best investment which has fallen to the lot of Spokane men in many a day. We have demonstrated, through the investigation of Engineer John F. Wikstrom, that there are eight leads on the ground of the Little Bertha. The property consists of 126 acres on the North Fork of the Kettle river.

"Engineer Wikstrom and I are leaving for Grand Forks, where we expect to lay out a mill site and make arrangements for installing a compressor on the Bertha property. We have made arrangements to have the compressor installed on or before March 1. We have purchased a 10-stamp Nisson mill, which will be operated on or before July 1.

"The values in the ore of the Little Bertha run unusually high. Scores of assays made recently show that the ore goes from $30 to $200 per ton. A recent shipment of 500 tons sent to the smelter gave returns of $55 per ton. We expect to make regular shipments after July 1st. Since purchasing the controlling interest in the property we have received several flattering offers for the stock, but we are satisfied we have a good thing, and intend to operate the mine ourselves."

The Snowshoe mine, in Phoenix camp, operated by the Consolidated Mining & Smelting company, has just sent out its first shipment of copper ore since the closing of the property last November. It was a special shipment only, and consisted of 400 tons, which was wanted at the Trail smelter for the purpose of bedding down a new blast furnace which will shortly be blown in. When in full operation the Snowshoe ships a little more than one-third of its output to Trail, the balance going under contract to the British Columbia Copper company's smelter at Greenwood.

The Greenwood Conservative association has elected the following officers: Hon. Pres., Hon. Richard McBride; president, W. B. Fleming, Greenwood; first vice-president, J. R. Jackson, Midway; second vice-president, Alex Stuart Jr., Eholt; secretary, E. G. Warren, Greenwood; executive committee, officers named and G. A. Rendell of Eholt, W. Wilson of Mother Lode, W. O. Wright of Rock Creek, T. J. Hardy and H. R. Stevenson of Midway, J. L. Coles, D. McIntosh, S. M. Johnson, F. W. McLaine and J. W. Grier, Greenwood.

The Evening Sun

Published at Grand Forks, British Columbia.

G. A. EVANS .....Editor and Publisher

A file of this paper can be seen at the office of Messrs. E. & J. Hardy & Co., 30, 31 and 32, Fleet Street, E.C., London, England, free of charge, and that firm will be glad to receive subscriptions and advertisements on our behalf.

SUBSCRIPTION RATES:

One Year.....$1.50
One Year (in advance) 1.00

Advertising rates furnished on application
Legal notices, 10 and 5 cents per line.
Address all communications to
THE EVENING SUN,
PHONE B 74 GRAND FORKS, B.C

FRIDAY, FEBRUAY 14, 1908

CITY'S FUTURE

According to recent advices from the coast, it appears to be reasonably certain that the Canadian Pacific Railway company intends to expend a large sum of money on improvements in this city during the coming summer. These improvements embrace the removal of the Eholt shops to this city, and their subsequent enlargement; the erection of additional buildings; construction of more yard trackage, and the establishment of a regular divisional point here. THE SUN is in a position to state that the plans for these improvements have been completed for some time, and a start on the work would have been made last fall had not the financial panic swept over the country, causing a total suspension of the mining industry. Now, that the money market is again in a normal condition, it would surprise no one if an early start was made on this work.

As was pointed out by THE SUN at the beginning of the present year, Grand Forks is more fortunately situated than the majority of cities in this section, and is destined to become the most important commercial and industrial centre in southern British Columbia. The carrying out of the above improvements will undoubtedly hasten the consummation of this prediction.

There are numerous substantial reasons for prophesying a roseate future for our city, the foremost one being that we possess a diversity of industries, consisting of mining, smelting, manufacturing, fruit growing and ranching. All of these industries are well advanced here. There is also a promise of renewed construction of the Kettle Valley line to Franklin camp, which should add materially to our prosperity.

The vast areas of fine agricultural lands tributary to the city will, when they are subdivided and brought under cultivation, become our greatest source of unfailing prosperity. In this connection, there is a stretch of fifty miles of good fruit and agricultural land up the North Fork valley, with no other outlet than this city. This is seldom counted as one of our assets. Time will prove that it is destined to be one of our greatest sources of revenue.

The large amount of American capital recently invested in the Little Bertha and Maple Leaf mines will undoubtedly direct renewed attention to the North Fork mining properties, and, with the completion of transportation facilities, a rush to the up-river camps may be looked for.

Another source of wealth is the large areas of splendid timber limits on the North Fork. This must all be menufactured into lumber at or near this city. The limits are of sufficient extent to keep the mills running for years.

In conclusion, it may be said, in all sincerity, that the future prospects of the city were never brighter. A united effort on the part of all our citizens should witness, before many years elapse, the praiseworthy object which brought the 20,000 club into existence an accomplished fact.

UNIQUE CARNIVAL

Oddfellows and Knights of Pythias Will Meet at Rink Monday Night

All the Available Doctors Have Been Reserved for the Occasion

The local lodges of the Oddfellows and the Knights of Pythias will give a broom ball and carnival at the skating rink on Monday evening, February 17th. The prizes will be sufficiently numerous to embrace everybody, and all who attend are promised a splendid evening's enjoyment. The proceeds go in aid of the Tuberculosis Sanitarium at Pranquelle, B. C.

The following is a list of the carnival prizes offered:

Best Married Couple Skaters—1st Prize, Carving Set, presented by McIntosh & Heron; 2nd Prize, Sack of Flour, McNeil & Henniger.

Best Costume, Lady—1st Prize, Silk Parasol, L. N. McInnes & Co; 2nd Prize, Silk Collar, Jeff Davis & Co.

Best Costume, Gents,—1st prize, Silk Umbrella, W. F. Stewart; 2nd prize, Sweater, Clarke & Son.

Best Sustained Character, Lady—1st prize, Pair Skates, W. K. C. Manly; 2nd prize, Set of Combs, Wonder Store.

Best Sustained Character, Gents—1st prize, Pair Hockey Shoes, D. D. Munro; 2nd, Briar Pipe, Fred Downey.

Best Character Costume, Girls 15 years and Under—1st prize, Box of Chocolates, W. Chalmers; 2nd, Cream and Sugar Set, R. L. Miles.

Best Skater, Gentleman—1st prize, Pair Hockey Shoes, Jeff Davis & Co; 2nd, Pocket Knife, Thos. McIntyre.

Most Graceful Skater, Lady—1st prize, Urn, W. H. Itter; 2nd, Beautiful Flowers, Frache Bros.

Most Comical Costume, Gent—Box of Cigars.

Boys Race, 15 Years and Under, 5 Laps—1st, 2nd and 3rd prizes, pocket knives, Geo. Massie.

Boys Race, 12 Years and Under—1st, 2nd and 3rd prizes, pocket knives, Geo. Massie.

Ladies Race, 6 Laps—1st prize, Box of Perfume, H. E. Woodland; 2nd, Purse, A. D. Morrison.

Gent's Race, Free for All, 15 Laps—1st prize, Pair Automobile Skates, Geo. W. Chapple; 2nd, Gold Watch Chain, Co-Operative Store; 3rd Box of Cigars, Wm. Penrose.

In addition to the above, prizes have been presented from the Yale Hotel, Province, Valhalla, Windsor, Victoria, Winnipeg, Queens, Grand Forks, Granby, Pacific and by Messrs Waugh & McNevin, P. Burns, Baker & George, Rutherford Bros, Robt. Petrie and others and will be distributed at the Rink on Monday night.

A Box of Cigars will be presented to the man scoring the first goal in the Broom Ball game.

CITY NEWS

The sacred rite of confirmation will be administered in Holy Trinity church next Thursday evening, February 20th, at 8 o'clock.

His honor Judge Brown, of Greenwood, will hold county court at the government building in this city next Thursday, February 20th.

Cedio, the Niagara dynamiter, has not yet recrossed the line into Canada. It is said that there are some extradition technicalities to be straightened out.

Today is St. Valentine's day. If you do not receive a missive, it is a sign that you are neither loved nor hated.

The Salvation Army will give a social in their hall on Riverside avenue tomorrow night, February 15th. A program is to be rendered, and cake and coffee will be served. At the Sunday meetings Mesdames Laidlaw and Litchfield are to be present, and will take part in the services.

RANDOM REMARKS

In spite of the numerous beautifying preparations on the market, there are still a few homely people in Grand Forks.

We have noticed that the people who live comfortably in a small town do not wear the worried look of people who claim that a city is the only place to live.

By the way, did any family ever accumulate so many babies that the last arrival was not considered the best of the lot?

The man who tries to put up a brownstone front on a second-hand lumber capacity usually meets with failure.

A big, fat man always has a hard time trying to make people believe he is sick.

His satanic majesty is always getting something for nothing.

If a man can get his head through the eye of a needle, it is unreasonable to expect him to be broad-minded.

Shortly after marriage the average man acts as if he had conferred a great favor on his wife by leading her to the altar.

Our idea of a wise man is one who isn't foolish enough to try to convince a woman by arguing with her.

Mining Stock Quotations

NEW YORK, Feb. 13.—The following are today's opening quotations for the stock mentioned:

	Asked.	*Bid*
Granby.....	95.00	85.00
Dominion Copper.....	2.12½	1.88½
B. C. Copper.....	5.00	4.75

Metal Quotations

NEW YORK, Feb. 13.—Silver, 55¼; electrolytic copper, 13⅜@13⅝

LONDON, Feb. 5.—Lead, £14 12s 6d; silver, 25½.

You might as well try to reach the orb of day by walking on a sunbeam as to attempt to reach The Sun readers by advertising in any other medium.

The Sun and the Toronto Weekly Globe for $1 per year.

Synopsis of Canadian Homestead Regulations

ANY available Dominion Lands within the Railway Belt of British Columbia may be homesteaded by any person who is the head of a family, or any male over eighteen years of age, to the extent of one-quarter section of 160 acres, more or less.

Entry must be made personally at the local land office for the district in which the land is situate.

The homesteader is required to perform the conditions connected therewith under one of the following plans:

(1) At least six months' residence upon and cultivation of the land in each year for three years.

(2) If the father (or mother, if the father is deceased), of the homesteader resides upon a farm in the vicinity of the land entered for, the requirements as to residence may be satisfied by such person residing with the father or mother.

(3) If the settler has his permanent residence upon farming land owned by him in the vicinity of his homestead, the requirements as to residence may be satisfied by residence upon the said land.

Six months' notice in writing should be given the Commissioner of Dominion Lands at Ottawa of intention to apply for patent.

Coal-Coal mining rights may be leased for a period of twenty-one years at an annual rental of $1.00 per acre. Not more than 2,560 acres shall be leased to one individual or company. A royalty at the rate of five cents per ton shall be collected on the merchantable coal mined.

W. W. CORY,
Deputy of the Minister of the Interior.

N.B.—Unauthorized publication of this advertisement will not be paid for.

HOCKEY PLAYERS

For the famous AUTOMOBILE SKATE, the kind that won't bend or break, light and strong, and every pair guaranteed, see

GEO. CHAPPLE

FIRST STREET OPPOSITE POSTOFFICE

We Have For Sale

Horses

Second-Hand Rigs

and Harness

Also an Assortment of FURNITURE

We Want

LANDS

As we have a number of inquiries for small farms. We expect a number of buyers in Grand Forks at an early date. If you have farms for sale, call on

A. Erskine Smith & Co.

P. BURNS & CO., LTD.

DEALERS IN ALL KINDS OF FRESH AND CURED

MEATS

Fish and Game in Season

GRAND FORKS, B. C.

SIMILKAMEEN LAND DISTRICT

DISTRICT OF YALE

TAKE NOTICE that August Johnson, of Lynch Creek, on the North Fork of Kettle River, 18 miles north of the City of Grand Forks, Yale District, British Columbia, occupation Hotelkeeper, intends to apply for permission to purchase the following described land: Commencing at a post planted at Lynch Creek, about eighteen miles north of the City of Grand Forks, on the North Fork of Kettle River, in the Similkameen Division of Yale District; thence north eighty chains, thence west ten chains to the east bank of the North Fork of Kettle River, thence south following the east bank of the North Fork of the Kettle River eighty chains to a point due west of the point of commencement, thence east fifteen chains to the point of commencement, and containing one hundred acres, more or less.

Dated the eighth day of January, 1908.

AUGUST JOHNSON.

LAND ACT

Similkameen Land District, District of Yale.

TAKE NOTICE that Samuel Horner, of Grand Forks, B.C., occupation a Bricklayer, intends to apply for special timber licenses over the following described lands, all situate in the Similkameen Division of Yale District, Province of British Columbia:

Location No. 1. Commencing at a post marked "Samuel Horner's Southeast corner," planted about sixty chains west of McFarlane Creek, adjoining southwest corner of timber limit No. 15133; thence north 80 chains, thence west 80 chains, thence south 80 chains, thence east 80 chains to the point of commencement, containing 640 acres, more or less. Located November 28th 1907.

Samuel Horner, Locator.

Location No. 2. Commencing at a post marked "Samuel Horner's Southeast corner," planted about forty chains west of the northeast corner of No. 1 Location; thence north 80 chains, thence west 80 chains, thence south 80 chains, thence east 80 chains to the point of commencement, containing 640 acres, more or less. Located November 28th, 1907

Samuel Horner, Locator.

Location No. 3. Commencing at a post marked "Samuel Horner's Southeast corner," adjoining No. 2 Location on the northeast corner; thence north 80 chains, thence west 80 chains, thence south 80 chains, thence east 80 chains to the point of commencement, containing 640 acres, more or less. Located November 28th, 1907.

Samuel Horner, Locator.

Location No. 4. Commencing at a post marked "Samuel Horner's Southeast corner," adjoining No. 3 Location on the northeast corner; thence north 80 chains, thence west 80 chains, thence south 80 chains, thence east 80 chains to the point of commencement, containing 640 acres, more or less. Located November 28th, 1907. Samuel Horner, Locator.

Dated at Grand Forks, B.C., December 13, 1907

SAMUEL HORNER, Applicant.

We carry the most fashionable stock of wedding stationery in the Boundary country. And we are the only office in this section that have the correct material for printing it. The Sun job office.

Collection Agency

I purpose opening an office for the collection of accounts, adjusting of books of existing business, and also made up preparatory to final administration of estates.

Leases and Contracts Drawn Up
Sales of Property Negotiated
Rents Collected

Correspondence attended to immediately Financial returns promptly made and guaranteed

S. T. HALL, J.P.
Office
C.P. Telegraph Company Bridge Street

GRAND FORKS
Milk Supply Co.
PERCY ANDREWS, PROP.
Fresh Milk Delivered Daily.
Leave Orders at Jeff Davis' Store

GALLAHER'S
(BELFAST AND LONDON)
AND GENUINE
Irish Twist Roll
Imported Smoking Tobacco
Downey's Cigar Store
Bridge Street

R. A. HENDERSON, C.E. & M.E.
B. C. Land Surveyor
P. O. Box 311 Phone 85 Grand Forks, B. C.

A SIMPLE METHOD

(Concluded From Page One)

To the other portion see if white powder is present. Decant clear portion; add ammonia, and if copper is present the solution is blue. Iron will be thrown down as red flocculent proportion, but quickly settles and leaves a clear blue solution.

Test the white powder by adding one-half inch of nitric acid and heat the same. If it does not dissolve, add a little water and a good heavy pinch of cream of tartar, and boil again. If it dissolves, it is antimony; if not, probably it is tin.

Take a fresh portion on charcoal and add soda as before (better to add potassium cyanide if you have it), and heat in reducing flame very strongly. Test bead only by hammering and by nitric acid and tartaric acid or cream of tartar as before. There is an incrustation or coat upon the coal. This consists of the oxide which is produced by volatilization of the metal and its oxidation while passing through the outer flame. A white incrustation denotes arsenic antimony or zinc. That for antimony or tin is easily seen. The antimony coat and test piece fumes plentifully. The zinc coat is faint, however, and it turns green if moistened with cobalt nitrate and again heated in the reducing flame. A dark yellow incrustation while hot, and pale yellow when cold, is lead or bismuth. A chocolate brown incrustation is cadmium.

Now we confirm by the borax bead:

A piece of platinum wire is fused into a piece of glass tubing—about three inches of each.

A small round loop—O—is made in one end. This is moistened and dipped into borax.

Heat in flame of alcohol lamp with blowpipe until fusion is effected.

A small minute portion of the substance, previously roasted in charcoal, is picked up on the hot borax loop and heated, firstly in the oxidizing flame, and then in the reducing flame.

The change of colors is noted:

Cobalt gives a deep blue bead in both flames.

Nickel is sherry colored in the oxidizing flame, with a grey and turbid formation of metallic particles.

Copper is blue in the oxidizing flame while hot, green cold, red to opaque when wholly or partially in the reducing flame.

Iron is yellow when hot and darker yellow when cold in the oxidizing flame; dingy olive or bottle green in the reducing flame.

Manganese is amethyst in the oxidizing flame, both hot and cold; color less or nearly so in the reducing flame.

Chromium is green in all flames.

These are all the metals that can be definitely recognized:

When the mineral contains two or more reducible metals, the beads produced will partake of the properties of both. There may be arsenic and antimony with lead. In this case the bead will be brittle. The bead may be tested with nitric acid as before.

The tube test with and without soda will betray the Ar. and Sb., and the yellow coat indicates Pbs.

A portion of the substance, if taken on the tip of a platinum wire moistened with hydrochloric acid and heated in the flame of an alcohol lamp, alone gives characteristic colors to the flame.

Sodium gives vivid yellow.

Potassium gives violet.

Lime gives brick red.

Strontium or lithium gives crimson.

Metal.	Oxidizing Flame.		Reducing Flame.	
	Cold.	Hot.	Cold.	Hot.
Copper	Blue	Green.	Red to opaque, wholly or partially.	Red to opaque, wholly or partially.
Cobalt	Blue	Blue.	Blue	Blue.
Iron	Yellow	Darker yel.	Dingy blue or bottle green.	Dingy blue or bottle green.
Nickel	Sherry	Drk sherry	Turbid or grey from formation of metallic particles.	Turbid or grey from formation of metallic particles.
Manganese	Amethyst	Amethyst.	Colorless or nearly so.	Colorless or nearly so.
Chromium	Green.	Green	Green.	Green.

Arsenic and antimony can be confirmed in the glass tube.

Heat a portion placed inside a tube open at both ends. Use oxidizing flame, and heat tube near where the substance lies. Antimony gives dense white non-volatile sublimate. Arsenic give white sublimate; on heating strongly changes to red (suboxide).

Closed tube tests are very useful also, with or without addition of soda. Arsenic and antimony yield sublimates, black or mirror-like, but only when strongly heated.

If any ore containing quicksilver is heated in a closed tube, and a gold coin is held over it, it will be silvered if only a trace is present.

A garlic odor indicates arsenic.

Copper gives green.

Borax (as boric anhydride), B_2O_3, the principal constituent of borax and other borates, may be distinguished by this means. It gives a green flame, too. Mix with strong sulphuric acid and bring on wire near to, but not into, the flame; it will give a vivid green, which copper fails to do.

$2.00 THE THREE FOR $2.00

Regular Price $3.00

An Offer Which Meets the Special Wants of All Classes of Readers

The Western Canadian reading public is made up chiefly of these classes: Persons who have lived in the West for a lengthy period and are out and out Westerners, and recent arrivals from the Old Country, from the United States and from Eastern Canada.

Perhaps no one newspaper could cater with complete satisfaction to all these classes, but by this combination offer every special need is met

The Weekly Free Press and Prairie Farmer gives a complete record week by week of all happenings in the Western Provinces. In addition it has special departments for American and British settlers. The Family Herald and Weekly Star supplies the former resident of Eastern Canada with the news of the Eastern portion of the Dominion in detail, and the Grand Forks Sun provides the local and Boundary news, which you cannot do without.

.....190.....

GRAND FORKS SUN;

Find enclosed $2.00, for which send me Weekly Free Press and Prairie Farmer, Winnipeg; Family Herald and Weekly Star, Montreal; and the Grand Forks Sun, for one year each.

.....

.....

Westward Ho!

"Shakmut," a powerful story of Sitka in the times of the Russian occupancy, by Captain Clive Phillips Wolley, has been purchased by the publishers of Westward Ho! and the opening chapters appear in the February issue. In the department "Builders of the West," W. A. Harkin, formerly of this city, has a capital pen picture of A. C. Flumerfelt. A bright two-color cover design, a superb frontispiece and a score of clever stories, articles and departments make the midwinter number an absorbing one for the magazine reader. Besides Westward Ho! has the unique distinction of being the only independent standard monthly published in Canada that sells at the popular price of ten cents.

CITY NEWS

There appears to be quite a number of cases of grip in the city at present, but the malady is said to be of a milder nature than is usually the case. R. A. Henderson, the engineer, is one of the fortunate victims who have just been released from the grasp of this tyrannical ailment.

For Sale—Brand new No. 3 Graphophone; cost $50; also $14 worth of records; will sell at a sacrifice if taken at once. Particulars at this office.

Arthur Napper, who was at one time prominent in local musical circles, but who has buried himself and his talents in Greenwood during the past two years, visited old friends here last Saturday.

City Clerk J. A. McCallum made a business trip to Nelson this week.

You might as well try to reach the orb of day by walking on a sunbeam as to attempt to reach The Sun readers by advertising in any other medium.

The surest way to evaporate business troubles is to give your stationery the necessary talking qualities by having it printed in a modern office by competent workmen. The Sun job office is the most up-to-date in the Bouudary, and our workmen are capable and of wide experience. This is the reason why we do the printing for the best firms and corporations in this district.

The Sun and the Toronto Weekly Globe for $1.00per year.

CHURCH SERVICES

Knox Presbyterian Church—Sabbath services at 11 a.m. and 7 p. m.; Sabbath school and Bible class at 2:30 p.m.; Young People's Society of Christian Endeavor, Monday, 7:30 p. m. All are cordially invited; seats free.

Methodist Church, Rev. Schlichter.—Services next Sunday at 11 a. m. and 7:00 p.m.; Sunday school and Bible class at 2:30 p.m. All are welcome.

Baptist Church, Rev. F. W. Auvache, pastor.—Services on Sunday at 11 a. m. and 7:30 p. m.; Sunday school and Bible class at 3 p.m.

Bicycles and Repair Work—A complete line of 1907 models. A few second-hand wheels cheap. Wheels to rent. Geo. Chapple, opposite Postoffice, First street.

We are still offering The Sun and the Toronto Weekly Globe and Canada Farmer for $1 per year in advance. The illustrated supplement that accompanies the Globe is worth twice the money we ask for the two papers.

We have some of the highest grade paper and stationery for up-to-date commercial printing every brought to the Boundary. Sun Job Office.

THE

COPPER

HANDBOOK

(New Edition Issued Nov. 15, 1906.)

Is a dozen books in one, covering the history, geography, geology, chemistry, mineralogy, metallurgy, terminology, uses, statistics and finances of copper. It is a practical book, useful to all and necessary to most men engaged in any branch of the copper industry.

Its facts will pass muster with the trained scientists, and its language is easily understood by the everyday man. It gives the plain facts in plain English without fear or favor.

It lists and describes 4626 copper mines and companies in all parts of the world, descriptions running from two lines to sixteen pages, according to importance of the property.

The Copper Handbook is conceded to be the

World's Standard Reference Book on Copper

The mining man needs the book for the facts it gives him about mines, mining and the metal.

The investor needs the book for the facts it gives him about mining, mining investments and copper statistics. Hundreds of swindling companies are exposed in plain English.

Price is $5 in Buckram with gilt top; $7.50 in full library morocco. Will be sent, fully prepaid, on approval, to any address ordered, and may be returned within a week of receipt if not found fully satisfactory.

Horace J. Stevens,
Editor and Publisher,
453 Postoffice Block,
Houghton, Michigan.

W. C. CHALMERS

Always Carries in Stock a Fresh Supply of

FRUITS, CANDIES, TOBACCOS AND CIGARS

Ice Cream and Summer Drinks

COR. BRIDGE AND FIRST STREETS

NEW YORK CLIPPER

IS THE GREATEST THEATRICAL & SHOW PAPER IN THE WORLD.

$4.00 Per Year. Single Copy, 10 Cts.

ISSUED WEEKLY.

SAMPLE COPY FREE.

FRANK QUEEN PUB. CO. (Ltd), PUBLISHERS,
ALBERT J. BORIE, MANAGER. 47 W. 28TH ST., NEW YORK.

A Bold Step

To overcome the well-grounded and reasonable objections of the more intelligent to the use of secret, medicinal compounds, Dr. R. V. Pierce, of Buffalo, N. Y., some time ago, decided to make a bold departure from the usual course pursued by the makers of put-up medicines for domestic use, and so has published broadcast and openly to the whole world, a full and complete list of all the ingredients entering into the composition of his widely celebrated medicines. Thus he has taken his numerous patrons and patients into his full confidence. Thus too he has removed his medicines from among secret nostrums of doubtful merits, and made them *Remedies of Known Composition.*

By this bold step Dr. Pierce has shown that his formulas are of such excellence that he is not afraid to subject them to the fullest scrutiny.

Not only does the wrapper of every bottle of Dr. Pierce's Golden Medical Discovery, the famous medicine for weak stomach, torpid liver or biliousness and all catarrhal diseases wherever located, have printed upon it, *in plain English*, a full and complete list of all the ingredients composing it, but a small book has been compiled from numerous standard medical works, of all the different schools of practice, containing very numerous extracts from the writings of leading practitioners of medicine, endorsing *in the strongest possible terms*, each and every ingredient contained in Dr. Pierce's medicines. One of these little books will be mailed free to any one sending address on postal card or by letter, to Dr. R. V. Pierce, Buffalo, N. Y., and requesting the same. From this little book it will be learned that Dr. Pierce's medicines contain no alcohol, narcotics, mineral agents or other poisonous or injurious agents and that they are made from native, medicinal roots of great value; also that some of the most valuable ingredients contained in Dr. Pierce's Favorite Prescription for weak, nervous, over-worked, "run-down," nervous and debilitated women, were employed, long years ago, by the Indians for similar ailments affecting their squaws. In fact, one of the most valuable medicinal plants entering into the composition of Dr. Pierce's Favorite Prescription was known to the Indians as "Squaw-Weed." Our knowledge of the uses of not a few of our most valuable native, medicinal plants was gained from the Indians.

As made up by improved and exact processes, the "Favorite Prescription" is a most efficient remedy for regulating all the womanly functions, correcting displacements, as prolapsus, anteversion and retorversion, overcoming painful periods, toning up the nerves and bringing about a perfect state of health. Sold by all dealers in medicines.

R. L. MILES

SECOND-HAND STORE

BRIDGE STREET

Carpets Cleaned and Laid. Furniture Repaired, Upholstered and Cleaned, and other jobs in the house-cleaning line. Rubber Tires for Baby Carriages.

Second Hand Goods

BOUGHT AND SOLD

A. J. Stewart

HORSE SHOEING

General Blacksmithing and Repairing

SIMPSON'S OLD STAND Corner Main and First Streets.

R. C. McCUTCHEON

CABINET MAKER

Turning, Scroll Work, Saw Filing, Gun Repairing, Manufacturer of Screen Doors and Windows.

First Street Grand Forks, B C

PROVINCE

HOTEL

EMIL LARSEN, PROPRIETOR

Hot and Cold Baths. Nicely Furnished Stove-Heated Rooms. Entirely refurnished and renovated throughout. First-class board by day, week or month. Special rates to steady boarders. American and European plans. Finest Bar in City in Connection.

BRIDGE STREET GRAND FORKS, B. C.

COLUMBIAN COLLEGE

NEW WESTMINSTER, B. C.

Receive both Ladies and Gentlemen as resident or day students; has a complete Commercial or Business Course; prepares students to gain Teachers' Certificates of all grades; gives the four years' course for the B. A. degree, and the first year of the School of Science course, in affiliation with the Toronto University; has a special prospectors-l course for miners who work in B.C. Instruction is also given in Art, Music, Physical Culture and Elocution. Term opens Sept. 11th 1906, For Calendars, etc., address

COLUMBIAN COLLEGE.

IS BY REQUEST

Recipe Easily Prepared, and Many Swear by It

Many of Our Citizens Speak Well of the Home Prescription

Mix the following by shaking well in a bottle, and take in teaspoonful doses after meals and at bedtime:

Fluid Extract Dandelion, one-half ounce; Compound Kargon, one ounce; Compound Syrup Sarsaparilla, three ounces. A local druggist is the authority that these simple harmless ingredients can be obtained at nominal cost from our home druggists.

The mixture is said to cleanse and strengthen the clogged and inactive kidneys, overcoming backache, bladder weakness and urinary trouble of all kinds, if taken before the stage of Bright's disease.

Those who have tried this say it positively overcomes pain in the back, clears the urine of sediment and regulates urination, especially at night, curing even the worst forms of bladder weakness.

Every man or woman here who feels that the kidneys are not strong or acting in a healthy manner should mix this prescription at home and give it a trial, as it is said to do wonders for many persons.

The Scranton, Pa., Times was first to print this remarkable prescription, in October, of 1906, since when all the leading newspapers of New York, Boston, Philadelphia, Pittsburg and other cities have made many announcements of it to their readers.

When a man fails to think that his home town is the best town of its size in the country it is time for him to seek another location.

We Are Prepared

TO DO YOUR

JOB PRINTING

BECAUSE

We have the most modern jobbing plant in the Boundary Country, employ competent workmen, and carry a complete line of Stationery.

WE PRINT

Billheads and Statements,
Letterheads and Envelopes,
Posters, Dates and Dodgers,
Business and Visiting Cards,
Lodge Constitutions and By-laws.
Shipping Tags, Circulars and Placards,
Bills of Fare and Menu Cards,
Announcements and Counter Pads,
Wedding Stationery.
And everything turned out in an Up-to-date Printery.

Good Printing—the kind we do—is in itself an advertisement, and a trial order will convince you that our stock and workmanship are of the best. Let us estimate on your order. We guarantee satisfaction.

The Evening Sun
Job Department

Hoo-Hoo

The hooting of Owls was heard in Grand Forks last Tuesday night, when A. C. McKeen, supreme organizer, and A. J. McCool, deputy supreme organizer, instituted a nest of the Order of Owls in the city. There was a large gathering in Eagles' hall, and the following officers were elected: Junior past president, W. A. Hoffman; president, J. E. Graham; vice-president, W. F. Reid; invocator, Frank Stack; secretary, R. F. Petrie; treasurer, John Temple; warden, D. J. McAlman; sentinel, Hy Couture; picket, Ed Temple. Next Tuesday evening, February 18th, at 7:30 o'clock, the Owls will meet again in Eagles' hall, at which time the officers will be installed, and a big initiation of candidates will take place.

The Order of Owls originated four years ago in South Bend, Ind., and is now said to have a total membership of over one hundred thousand.

If you ride long enough, the seat on the water wagon will be quite comfortable.

The Evening Sun

Prints more live Boundary news than any other paper published in the district. The price of THE SUN is only $1.00 per year—one-half the cost of its competitors. THE SUN is never on the fence regarding questions of public interest. THE SUN is acknowledged to be one of the brightest papers published in the interior of the province. Those who subscribe and feel dissatisfied, will have their money refunded by calling at the office of publication.

THE EVENING SUN and the Toronto Weekly Globe and Canada Farmer. $1.00 per year in advance.

THE EVENING SUN, The Winnipeg Weekly Free Press and Prairie Farmer and the Montreal Family Herald and Weekly Star, $2.00 per year in advance.

LAND ACT

Similkameen Land Division, District of Yale.

TAKE NOTICE that A. Erskine Smith, of Grand Forks, British Columbia, occupation a Broker, intends to apply for a special timber license over the following described lands, all situate in the Similkameen Division of Yale District, Province of British Columbia:

Location No. 1. Commencing at a post marked "A. Erskine Smith's S. W. corner," planted on the east bank of the West Fork of the North Fork of Kettle River, about eight miles north of the northern boundary of Lot 3635, Group 1, Similkameen Land Division, Yale District; thence east 160 chains, thence north 40 chains, thence west 160 chains, thence south 40 chains to the point of commencement, containing 640 acres, more or less. Located October 22nd, 1907.

Location No. 2. Commencing at a post marked "A. Erskine Smith's S. W. corner," planted on the east bank of the West Fork of the North Fork of Kettle River, about 8½ miles north of the north boundary of said Lot 3635; thence east 160 chains, thence north 40 chains, thence west 160 chains, thence south 40 chains to the point of commencement, containing 640 acres, more or less. Located October 22nd, 1907.

Location No. 3. Commencing at a post marked "A. Erskine Smith's S. W. corner," planted on the east bank of the said West Fork, about nine miles north of the said northerly boundary of said Lot 3635; thence east 160 chains, thence north 40 chains, thence west 160 chains, thence south 40 chains to the point of commencement, containing 640 acres, more or less. Located October 22nd, 1907.

Location No. 4. Commencing at a post marked "A. Erskine Smith's S. W. corner," planted on the east bank of the said West Fork, about 9½ miles north of the northerly boundary of said Lot 3635; thence east 160 chains, thence north 40 chains, thence west 160 chains, thence south 40 chains to the point of commencement, containing 640 acres, more or less. Located October 22nd, 1907.

Location No. 5. Commencing at a post marked "A. Erskine Smith's N. E. corner," planted on the west bank of the said West Fork, about ten miles north of the said northerly boundary of said Lot 3635; thence south 80 chains, thence west 80 chains, thence north 80 chains, thence east 80 chains to the point of commencement, containing 640 acres, more or less. Located 23rd day of October, 1907.

Location No. 6. Commencing at a post marked "A. Erskine Smith's N. E. corner," planted on the west bank of the said West Fork, about nine miles north of the north boundary of said Lot 3635; thence 80 chains south, thence 80 chains west, thence 80 chains north, thence 80 chains east to the point of commencemnet, containing 640 acres, more or less. Located 23rd day of October, 1907.

Location No. 7. Commencing at a post marked "A. Erskine Smith's S. W. corner," planted on the west bank of the said West Fork, about 12½ miles north of the north boundary of said Lot 3635; thence 160 chains east, thence 40 chains north, thence 160 chains west, thence 40 chains south to the point of commencement, containing 640 acres, more or less. Located 24thof October, 1907.

Location No. 8. Commencing at a post marked "A. Erskine Smith's N. W. corner," planted on the east bank of the said West Fork, about 14½ miles north of the north boundary of said Lot 3635; thence 160 chains east, thence 40 chains south, thence 160 chains west, thence 40 chains north to the point of commencement, containing 640 acres, more or less. Located 25th October, 1907.

Location No. 9. Commencing at a post marked "A. Erskine Smith's S. E. corner," planted on the east bank of the said West Fork, about 16 miles north of the north boundary of said Lot 3635; thence 40 chains east thence 160 chains north, thence 40 chains west, thence 160 chains south to the point of commencement, containing 640 acres, more or less. Located 25th October, 1907.

Dated at Grand Forks, B.C., this 16th day of November, 1907.

A. ERSKINE SMITH,
Applicant.

BOUNDARY ORE SHIPMENTS

The following table gives the ore shipments of Boundary mines for 1905, 1906 and for the past week:

	1906	*1907*	*Past Week*
Granby Mines, Phoenix	801,404	608,429	17,011
Snowshoe, Phoenix	8,426	136,139	400
Mother Lode, Deadwood	104,120	199,863	.....
B. C. Mine, Summit	1,345	1,370	.....
Emma, Summit	12,881	15,941	.....
Oro Denoro, Summit Camp	6,404	6,314	.....
Bonnie Belle, Deadwood	1,345	....	.....
Brooklyn-Stemwinder, Phoenix	140,685	43,295	.....
Idaho, Phoenix	2,960	14,929	.....
Rawhide, Phoenix	26,032	65,623	.....
Sunset, Deadwood	48,390	31,270	.....
Mountain Rose, Summit	3,555	2,942	.....
Senator, Summit Camp	.....	.....	.....
Morrison, Deadwood	....	649	.....
Sulphur King, Summit	.....	.....	.....
Winnipeg, Wellington	.....	.....	.....
Big Copper, West Copper	586	.....	.....
Carmi, West Fork	30	.....	.....
Sally, West Fork	86	55	.....
Rambler, West Fork	76	.....	.....
Butcher Boy, West Fork	9	.....	.....
Providence, Greenwood	1,140	700	.....
Elkhorn, Greenwood	40	20	.....
Strathmore, Providence	140	55	.....
Preston, Skylark	20	.....	.....
Prince Henry, Skylark	15	.....	.....
Skylark, Skylark Camp	589	224	.....
Last Chance, Skylark Camp	.....	.....	.....
E. P. U. Mine, Skylark Camp	.....	.....	.....
Bay, Skylark	.....	.....	.....
Mavis, Skylark	.....	.....	.....
Don Pedro, Skylark	45	.....	.....
Crescent, Skylark	.....	.....	.....
Helen, Greenwood	.....	.....	.....
Republic, Boundary Falls	.....	.....	.....
Miscellaneous	171	130	.....
Total, tons	1,158,991	1,148,226	17,411
Smelter Treatment—			
Granby Smelter	828,879	611,250	17,218
B. C. Copper Co.'s Smelter	121,031	341,283	.....
Dominion Copper Co.'s Smelter	218,811	157,327	.....
Total treated	1,168,121	1,110,860	17,218

BOUNDARY DIVIDENDS.

Name of Company.	Authorized Capital.	Shares—Issued.	Shares—Par.	Dividends—Paid 1906.	Dividends—Total to Date.	Dividends—Latest Date.	Dividends—Per Share
Granby Consolidated—Copper.	$15,000,000	135,000	$100	$1,620,000	$2,968,630	Sept. 1907	$3.0
Cariboo McKinney—Gold	1,250,000	1,250,000	$1	.....	546,837	Feb. 1904	.04
Providence—Silver	200,000	31 000	$5	16,000	38.224	Sept. 1906	.50
B. C. Copper—Copper	3,000,000	503.000	$5	.....	201,200	Sept. 1907	.40

Geo. Taylor

General Contractor, Excavator, Etc.

All Orders Given Prompt and Careful Attention.

GEO. TAYLOR,
Grand Forks, B. C

DRAYING

Heavy and Light Dray Work Attended to Promptly. Passengers and Trunks to and from all trains.

TELEPHONE A129
GRAND FORKS TRANSFER COMPANY
RUTHERFORD BROS., PROPS.

60 YEARS' EXPERIENCE
PATENTS
TRADE MARKS
DESIGNS
COPYRIGHTS &c.
Anyone sending a sketch and description may quickly ascertain our opinion free whether an invention is probably patentable. Communications strictly confidential. HANDBOOK on Patents sent free. Oldest agency for securing patents.
Patents taken through Munn & Co. receive special notice, without charge, in the
Scientific American.
A handsomely illustrated weekly. Largest circulation of any scientific journal. Terms for Canada, $3.75 a year, postage prepaid. Sold by all newsdealers.
MUNN & Co. 361 Broadway, New York
Branch Office, 625 F St., Washington, D. C.

When remitting money get an express order. Cash on demand of payee. To all parts. S. T. Hall, branch agent Dominion Express Co.

Before closing your contract for reading matter for the coming year, read the tempting clubbing offer we make on the third page.

Palace Barber Shop

Razor Honing a Specialty.

P. A. Z. PARE, Proprietor
Victoria Hotel,
Bridge Street, Grand Forks, B. C.

Foo Lee Laundry

FINE LAUNDERING. COLLARS, CUFFS AND SHIRTS WASHED CLEAN AND NICE AND IRONED BY MACHINERY, NEW MEN EMPLOYED.

NEXT CHINESE STORE
RIVERSIDE AVENUE.

Pacific Hotel

OPP. C.P.R. STATION

First-class in every respect.
Sample rooms for commercial travelers.
Hot and Cold Baths.
Bar in Connection.
Finest Brands of Wines, Liquors and Cigars.

CHAS. PETERSON, Prop

DRINK REPUBLIC BEER

The Purest and Best in the City.
On Draught Exclusively at
THE VICTORIA HOTEL